Manual No.'18•SRK-T-250



TECHNICAL MANUAL

INVERTER WALL MOUNTED TYPE RESIDENTIAL AIR-CONDITIONERS

(Split system, air to air heat pump type)

SRK20ZS-W, -WB, -WT 25ZS-W, -WB, -WT 35ZS-W, -WB, -WT 50ZS-W, -WB, -WT

MITSUBISHI HEAVY INDUSTRIES THERMAL SYSTEMS, LTD.

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■How to read the model name



1. SPECIFICATIONS

			M	odel			SRK20				
em					Indo	or unit SRK202		Outdoor unit SRC20ZS-W			
ower source						1 Ph		50Hz / 220V, 60H	Hz		
	Nominal cooling capac	city (range)	k	٨W			2.0 (0.9 (Min.	- 2.9 (Max.))			
	Nominal heating capac	city (range)	k	٢W			2.7 (0.9 (Min.	- 4.3 (Max.))			
	Heating capacity (H2)		k	٢W	_						
		Cooli	ng				0.44 (0.1	9 - 0.80)			
	Power consumption	Heati	ng k	٢W			0.59 (0.2	0 - 1.40)			
		Heati	ng (H2)				_				
	Max power consumpti		5(/				1.6	5			
		Cooli	na				2.6/2.5/2.4 (2				
	Running current	Heati	-	A			3.2/3.0/2.9 (2	,			
	Inrush current. max cu		ig .	~			,	230/ 240V) Max.	0		
peration ata	Inrush current, max cu	-				3.27		,	9		
ala	Power factor	Cooli		%			79				
		Heati	-				8				
	EER	Cooli	-				4.5				
	COP	Heati	ng				4.5	68			
	COF	Heati	ng (H2)				-				
		Cooli	ng			48			56		
	Sound power level	Heati	ng			50			56		
			-	B(A)	Hi: 34	Me: 25 Lo: 22	ULo: 19		45		
	Sound pressure level		<u> </u>	. 1		Me: 29 Lo: 23			45		
	Silent mode sound pro		9		11.30		510.13	Cooling	45 g:42 / Heating:43		
utories alles	Heating Silent mode sound pressure level erior dimensions (Height x Width x Depth) erior appearance givalent color : Munsell, RAL) weight npressor type & Quantity npressor motor (Starting method) rigerant oil (Amount, type) rigerant (Type, amount, pre-charge length) tt exchanger rigerant control type & Quantity motor (Starting method)								, <u> </u>		
		n	nm		290 x 870 x 23			780(+62) x 290			
						e snow (Pure w			tucco white		
	olor : Wurisell, KAL)				(8.0	Y 9.3/0.1), (9	003)	(4.2Y /	7.5/1.1), (7044)		
et weight				kg		9.5			31.5		
						_			BE71(Rotary type) x 1		
	(0))		٢W		_		(Inverter driven)		
efrigerant o	oil (Amount, type)			l		-		0.30 (DIAM	OND FREEZE MB75)		
efrigerant (1	Type, amount, pre-charg	ge length)	ł	kg	R	32 0.62 in outd	oor unit (Incl. th	he amount for the piping of 15m)			
eat exchang	ger				Louver fi	ns & inner groov	/ed tubing	M fins & inner grooved tubing			
efrigerant c	control					Capilla	rv tubes + Elect	ronic expansion v	alve		
					-	angential fan x			peller fan x 1		
Fan motor (Starting method)						2 x1 (Direct driv			1 (Direct drive)		
Cooling						1e: 7.0 Lo: 5.9	,	217	27.4		
ir flow		Heati	<u> </u>	/min		Me: 8.5 Lo: 6.			23.6		
		пеац	-	D -		0	5 ULU. 5.9				
	ernal static pressure		1	Pa		-			0		
utside air in						Not possible			-		
-	llity / Quantity				Polyprop	oylene net (Was	hable) x 2		-		
hock & vibra	ation absorber				Rubbe	r sleeve (for far	motor)	Rubber sleeve (fo	or fan motor & compress		
lectric heate	er					-			-		
	Remote control						Wireless ren	note control			
peration	Room temperature cor	ntrol					Microcompute	er thermostat			
ontrol	Operation display						RUN: Green, T				
afety equip					Compressor overheat protection, Overcurrent protection, Frost protection, Serial signal error protection, Indoor fan motor error p						
					Heating c	verload protect	ion(High pressu	ire control), Cool	ing overload protection		
	Refrigerant piping size	e (O.D)	n	nm		Liquid line	e: φ6.35 (1/4")	Gas line: ø 9.5	2 (3/8")		
	Connecting method				İ	- Flare connectio	<u> </u>		e connection		
	Attached length of pip	ina		m		ne : 0.54 / Gas I			_		
stallation	Insulation for piping	B						des), independer			
ata	Refrigerant line (one v	vav) length		m		1460	Max				
	-					av 10 (Outdoa			vrupit is lower)		
	Vertical height diff. bet	ween 0.0. and	.u.	m				Max.10 (Outdoo	,		
	Drain hose				Hose	connectable (\	14 10)	Hole	e φ20 x 2 pcs		
	max lift height			nm		-		-	-		
	led breaker size			A			10				
R.A. (Locke	ed rotor ampere)			A			3.2/3.0/2.9 (2				
terconnecti	ing wires Size	x Core number			1.5mm	x 4 cores (Incl	uding earth cab	e) / Terminal bloc	k (Screw fixing type)		
' number						IPX0			IPX4		
tandard acc	cessories				Mounting kit,	Clean filter (Aller	gen clear filter x 1	Photocatalytic was	shable deodorizing filter:		
ption parts					<u> </u>	, , ,	Interface kit (\$		U A		
	1) The data are measur	ed at the follow	ing conditio	ons.				e length is 5m.			
, T	Item	Indoor air te			Outdoor air	temperature	· • •				
		DB	WB	\rightarrow	DB	WB	Standa	ards			
Ľ	Operation						100515	1 71			
Ļ	Cooling	27°C	19°C		35°C	24°C	ISO515				
	Heating	20°C	-		7°C	6°C	ISO515				
L	Heating (H2)	20°C	-		2°C	1°C	ISO515	1-H2			
(2	2) This air-conditioner is	s manufactured	and tested	d in c	onformity with	the ISO.		—			
	2) This air-conditioner is 3) Sound level indicates	S	the value in ar	manufactured and tested the value in an anechoic	manufactured and tested in c the value in an anechoic char	manufactured and tested in conformity with the value in an anechoic chamber. During o	manufactured and tested in conformity with the ISO.	manufactured and tested in conformity with the ISO. the value in an anechoic chamber. During operation these values are som	manufactured and tested in conformity with the ISO. the value in an anechoic chamber. During operation these values are somewhat higher du		

Operation data	Nominal cooling capacity Nominal heating capacity Heating capacity (H2) Power consumption Max power consumptior Running current Inrush current, max current	<u> </u>		kW kW	Indo	or unit SRK25Z 1 Pha	ase, 220 - 240V	Outdoo , 50Hz / 220V, 6	or unit SRC25ZS-W
Operation data	Nominal cooling capacity Nominal heating capacity Heating capacity (H2) Power consumption Max power consumption Running current	y (range) Cool Heat				1 Pha		, 50Hz / 220V, 6	30Hz
Operation data	Nominal heating capacity Heating capacity (H2) Power consumption Max power consumption Running current	y (range) Cool Heat							
Operation data	Heating capacity (H2) Power consumption Max power consumptior Running current	Cool Heat		1 k\//			2.5 (0.9 (Min.		
Operation data	Power consumption Max power consumptior Running current	Heat					3.2 (0.9 (Min.) - 4.5 (Max.))	
Operation Jata	Max power consumption Running current	Heat		kW			-	-	
Operation Jata	Max power consumption Running current			kW			0.62 (0.1	,	
Dperation data	Running current	Tieat					0.74 (0.2	0 = 1.42)	
Dperation data	Running current	1	ing (nz)				1.6	-	
Dperation data		Cool	ina					220/ 230/ 240V)	1
data -	Inrush current, max curre	Heat	~	A			(220/ 230/ 240V)	
data -	,		5	1				230/ 240V) Ma	
-	-	Cool	ing				8	,	
ŀ	Power factor	Heat	ing	%			9	D	
ľ	EER	Cool	ing				4.0)3	
1	COP	Heat	ing	1			4.3	32	
l	COP	Heat	ing (H2)]			-	-	
[Sound power level	Cool	ing			50			56
l		Heat	ing]		53			58
Γ	Sound pressure level	Cool	<u> </u>	dB(A)		Me: 25 Lo: 22			46
Ļ		Heat	ing		Hi: 36	Me: 29 Lo: 23	ULo: 19		46
	Silent mode sound press					_			ling:42 / Heating:43
	nsions (Height x Width x I	Depth)		mm		290 x 870 x 230		540	0 x 780(+62) x 290
Exterior appea						e snow (Pure wh			Stucco white
	olor : Munsell, RAL)			l i ai	(8.0)Y 9.3/0.1), (90	U3)	(4.2)	Y 7.5/1.1), (7044)
Net weight	A Quantita			kg		9.5		DNA 05077	31.0
	ype & Quantity notor (Starting method)			kW					7SBE71(Rotary type) x 1 5 (Inverter driven)
	I (Amount, type)			l		_			MOND FREEZE MB75)
0	ype, amount, type)	longth)					or unit (Incl. th		ne piping of 15m)
Heat exchang		lengtri)		kg		ns & inner groov	· · · · · ·		k inner grooved tubing
Refrigerant co					Louver III			ronic expansior	<u> </u>
Fan type & Qu					-	angential fan x			Propeller fan x 1
	arting method)			w		2 x1 (Direct drive			x1 (Direct drive)
				Ae: 8.0 Lo: 5.9	,	27	27.4		
Air flow		m³/min		Me: 8.7 Lo: 6.7			23.6		
Available exte	rnal static pressure	Heat		Pa		0			0
Outside air int	· · · · · · · · · · · · · · · · · · ·					Not possible			_
Air filter, Quali	ity / Quantity				Polyprop	ylene net (Wash	nable) x 2		_
Shock & vibra	tion absorber				Rubbe	r sleeve (for fan	motor)	Rubber sleeve	e (for fan motor & compresso
Electric heate	r					_			_
	Remote control						Wireless-ren	note control	
Operation	Room temperature contr	ol					Microcomput	er thermostat	
	Operation display						RUN: Green ,		
Safety equipm	nents					tection, Serial sig	gnal error prote		nt protection, in motor error protection, poling overload protection
	Refrigerant piping size (C).D)		mm	, , , , , , , , , , , , , , , , , , ,		: φ6.35 (1/4")	Gas line: ϕ 9	· ·
ľ	Connecting method					Flare connection	1	F	lare connection
notellation	Attached length of piping	g		m	Liquid lin	ne : 0.54 / Gas li			
nstallation data	Insulation for piping					Nece		des), independ	lent
	Refrigerant line (one way			m			Max		
[Vertical height diff. betwee	een O.U. and	I.U.	m				/ Max.10 (Outd	loor unit is lower)
	Drain hose				Hose	connectable (V	P 16)	He	ole φ20 x 2 pcs
	nax lift height			mm		_			
	ed breaker size			A			1	-	
	d rotor ampere)			A		÷		220/ 230/ 240V)	
nterconnectir	ng wires Size x 0	Core number			1.5mm	,	aing earth cab	ie) / Terminal blo	ock (Screw fixing type)
P number					Mounting Lite	IPX0	on cloor filter of	Dhotooctal di-	IPX4 washable deodorizing filter x
Standard acce	essories				iviounting kit,	Jiean Illier (Allerg			vasitable deodorizing filter x
Option parts							Interface kit (JU-DINNZ-E)	
Notes (1)) The data are measured	at the follow	ing con	ditions.			The pip	e length is 5m.	
	Item	Indoor air t	emperat	ure	Outdoor air	temperature	Ctord	arde	
C	Dperation	DB	W	/B	DB	WB	Stand	aius	
	Cooling	27°C	19	°C	35°C	24°C	ISO515	51-T1	
	Heating	20°C	-		7°C	6°C	ISO515	1-H1	
	Heating (H2)	20°C	-	-	2°C	1°C	ISO515	1-H2	
(2)) This air-conditioner is r	nanufactured	and te	sted in c	onformity with	the ISO.			
. ,							alues are sorr	newhat higher o	due to ambient conditior

				Model	SRK35ZS-W						
Item					Indo	oor unit SRK35			oor unit SRC35ZS-W		
Power source						1 P	hase, 220 - 240V		60Hz		
	Nominal cooling capac			kW			3.5 (0.9 (Min.	, , ,,			
	Nominal heating capacity (U2)	sity (range)		kW kW			4.0 (0.9 (Min.)) - 5.0 (Max.))			
	Heating capacity (H2)	Cool	ing	KVV			0.89 (0.1	-			
	Power consumption	Heat		kW			0.94 (0.1	,			
			ing (H2)								
	Max power consumpti	l	g (12)				1.6	65			
		Cool	ling				4.4 / 4.2 / 4.0 (2		/)		
	Running current	Heat	-	А			4.6 / 4.4 / 4.2 (2	220/ 230/ 240	/)		
Operation	Inrush current, max cu	rrent				4.6	/ 4.4 / 4.2 (220/	230/240V) N	lax. 9		
data	Power factor	Cool	ling	%			9:	2			
		Heat	ing	70			9	3			
	EER	Cool	•				3.9				
	COP	Heat	-				4.2				
			ing (H2)					-			
	Sound power level	Cool	-			54			61		
		Heat	•		11: 40	56	0.111.0.10		61		
	Sound pressure level	Cool		dB(A)		Me: 30 Lo: 26			50		
	Silent mode sound pre	Heat	.ii iy		HI: 41	Me: 36 Lo: 25	2 OF0:18	C~*	48 bling:45 / Heating:44		
- 	ensions (Height x Width :			mm		 290 x 870 x 23	30		0 x 780(+62) x 290		
Exterior dime				11111		e snow (Pure v		54	Stucco white		
	color : Munsell, RAL)					0Y 9.3/0.1), (\$		(4.2	2Y 7.5/1.1), (7044)		
Net weight	· · ·			kg		9.5		,	34.5		
Compressor	type & Quantity					_		RM-B507	77SBE2(Rotary type) x 1		
Compressor	motor (Starting method))		kW		_		0.9	00 (Inverter driven)		
Refrigerant o	oil (Amount, type)			l		-		0.30 (DI	AMOND FREEZE MB75)		
Refrigerant (1	Type, amount, pre-charg	je length)		kg	R	32 0.78 in out	door unit (Incl. th	e amount for t	he piping of 15m)		
Heat exchang	ger				Louver fi	ns & inner groc	oved tubing	M fins	& inner grooved tubing		
Refrigerant c	control					Capill	lary tubes + Elect	tronic expansio	on valve		
an type & Q	Quantity				-	Tangential fan x	x 1		Propeller fan x 1		
Fan motor (S	Starting method)			W		2 x1 (Direct dr	,	2	4 x1 (Direct drive)		
Air flow		ing	m³/min		Me: 8.7 Lo: 7		ļ	31.5			
		Heat	ing		Hi: 12.3	Me: 11.0 Lo:	7.0 ULo: 5.6		27.8		
	ernal static pressure			Pa		0		Ļ	0		
Outside air in						Not possible		ļ	_		
	ality / Quantity					pylene net (Wa	,		_		
	ration absorber				Rubbe	er sleeve (for fa	n motor)	Rubber sleev	e (for fan motor & compresso		
Electric heate	1							L	—		
Operation	Remote control						Wireless-ren				
control	Room temperature cor						Microcompute				
Safety equip	Operation display					tection, Serial		tion, Overcurre			
	Refrigerant piping size	(O.D)		mm	<u>_</u>		ne: φ6.35 (1/4")	Gas line: <i>φ</i>			
	Connecting method					Flare connection	on		Flare connection		
	Attached length of pipi	ing		m	Liquid li	ne : 0.54 / Gas	line : 0.47				
nstallation Jata	Insulation for piping					Ne	ecessary (Both si	ides), indepen	dent		
Juli	Refrigerant line (one w	vay) length		m			Max	‹.20			
	Vertical height diff. bet	ween O.U. and	I.U.	m	M	ax.10 (Outdoo	or unit is higher).	/ Max.10 (Out	door unit is lower)		
	Drain hose				Hose	connectable (VP 16)	ŀ	Hole φ20 x 2 pcs		
	max lift height			mm		_			_		
	led breaker size]	А			10				
· · ·	ed rotor ampere)			Α		2	4.6/4.4/4.2 (2				
nterconnecti	ing wires Size :	x Core number			1.5mm		luding earth cab	le) / Terminal b	lock (Screw fixing type)		
P number					.	IPX0			IPX4		
Standard acc					Mounting kit,	Clean filter (Alle	-		washable deodorizing filter x		
Option parts	·						Interface kit (S	SC-BIKN2-E)			
Notes (1	1) The data are measure	ed at the follow	ving cond	ditions.			The pir	pe length is 5m.			
Γ	Item	Indoor air t	emperatu	ire	Outdoor air	temperature	0	arda			
	Operation	DB	. WE		DB	WB	- Standa	aras			
	Cooling	27°C	19°	C	35°C	24°C	ISO515	51-T1			
F	11	20°C	_		7°C	6°C	ISO515	51-H1			
	Heating										
-	Heating Heating (H2)	20°C			2°C	1°C	ISO515	51-H2			
-	~	20°C	- d and tes	ted in c		1	ISO515	51-H2			

		_		Model							
Item					Indo	oor unit SRK50			or unit SRC50ZS-W		
Power source					<u> </u>	1 P	hase, 220 - 240	, ,	0Hz		
	Nominal cooling capac			kW			5.0 (1.3 (Min.	, , ,,			
	Nominal heating capacity (U2)	sity (range)		kW kW			5.8 (1.3 (Min.) - 6.6 (Max.))			
	Heating capacity (H2)	Cool	ing	KVV			1.35 (0.2	- 190)			
	Power consumption	Heat		kW			1.56 (0.2	,			
			ing (H2)				1.00 (0.2	-			
	Max power consumpti						2.0	68			
		Cool	ing				6.2 / 5.9 / 5.7 (2				
	Running current	Heat		А			7.2/6.9/6.6 (2	,			
Operation	Inrush current, max cu	rrent		i		7.2 /	6.9 / 6.6 (220/ 2	30/240V) Max	. 14.5		
data	Power factor	Cool	ing	%			9	9			
		Heat	ing	70			9	-			
	EER	Cool	-				3.				
	COP	Heat	-				3.3				
			ing (H2)		<u> </u>			-			
	Sound power level	Cool	-			59			61		
		Heat	•		11: 40	60	0.111.00		63		
	Sound pressure level	Cool	•	dB(A)		Me: 36 Lo: 29			51		
	Silent mode sound pre	Heat	ng		HI: 40	Me: 37 Lo: 3	I UL0: 24	Cooli	52 ng:43 / Heating:45		
- 	ensions (Height x Width :			mm		 290 x 870 x 23	30		x 780(+62) x 290		
Exterior dime					290 x 870 x 23 e snow (Pure v		595	Stucco white			
	color : Munsell, RAL))Y 9.3/0.1), ((4.2)	(7.5/1.1), (7044)		
Net weight	· · ·			kg		10.0			36.0		
Compressor	type & Quantity					_		9RS102X	DA21(Rotary type) x 1		
Compressor	motor (Starting method))		kW		-		1.50	(Inverter driven)		
Refrigerant o	oil (Amount, type)			l		-		().32 (FW50S)		
Refrigerant (1	Type, amount, pre-charg	e length)		kg	R	32 1.05 in out	door unit (Incl. th	e amount for the	e piping of 15m)		
leat exchang	ger				Louver fi	ns & inner groo	oved tubing	M fins &	inner grooved tubing		
Refrigerant c	control					Capill	lary tubes + Elect	tronic expansior	n valve		
an type & Q	Quantity				1	Tangential fan :	x 1	Р	ropeller fan x 1		
Fan motor (S	Starting method)			W	4	2 x1 (Direct dr	ive)	24	x1 (Direct drive)		
Air flow		ing	m³/min		Me: 9.9 Lo: 7			32.8			
		ing		Hi: 13.9 N	/le: 11.2 Lo: 9	9.1 ULo: 7.4		32.8			
	ernal static pressure			Pa		0			0		
Outside air in					<u> </u>	Not possible			-		
	ality / Quantity					oylene net (Wa	,		_		
	ration absorber				Rubbe	er sleeve (for fa	an motor)	Rubber sleeve	(for fan motor & compresso		
Electric heate	1					_			-		
Operation	Remote control						Wireless-rer				
control	Room temperature cor						Microcomput				
Safety equip	Operation display					tection, Serial		tion, Overcurrer ction, Indoor fa	nt protection, n motor error protection, pling overload protection		
	Refrigerant piping size	(O.D)		mm	<u> </u>		ne: φ6.35 (1/4")	Gas line:			
	Connecting method					Flare connecti	on	F	are connection		
م المقوم (Attached length of pipi	ing		m	Liquid lin	ne : 0.54 / Gas	line : 0.47		_		
nstallation lata	Insulation for piping					Ne	ecessary (Both s	ides), independ	ent		
	Refrigerant line (one w	/ay) length		m			Max	<.25			
	Vertical height diff. bet	ween O.U. and	I.U.	m	M	ax.15 (Outdoo	or unit is higher)	/ Max.15 (Outd	oor unit is lower)		
	Drain hose				Hose	connectable (VP 16)	He	ole φ20 x 2 pcs		
	max lift height			mm		-			-		
	led breaker size			A	 		2				
· · · ·	ed rotor ampere)			A		2 4	7.2/6.9/6.6 (2				
nterconnecti	ing wires Size :	x Core number			1.5mm	(ciuding earth cab	ie) / Terminal blo	ock (Screw fixing type)		
P number	occorios				Mountine Lit	IPX0	raon close filters of	Photosotch	IPX4		
Standard acc						Jiean iliter (Alle	Interface kit (vashable deodorizing filter x		
Option parts					<u> </u>		interface Kit (JU-DINNZ-E)			
Notes (1	1) The data are measure	ed at the follow	/ing cond	litions.			The pip	be length is 5m.			
ſ	Item	Indoor air t	· ·			temperature	Stand	ards			
	Operation	DB	WB	3	DB	WB	Stariu	aiuə			
	Cooling	27°C	19°C	2	35°C	24°C	ISO515	51-T1			
F	L La settina a	20°C	-		7°C	6°C	ISO515	51-H1			
	Heating										
	Heating Heating (H2)	20°C			2°C	1°C	ISO515	51-H2			
[~	20°C	- and test	ted in c			ISO515	51-H2			

				Model								
Item					Indo	or unit SRK20	ZS-WB	Outdoor unit SRC20ZS-W				
Power sourc	e					1 F	Phase, 220 - 240V	′, 50Hz / 220V, 6	30Hz			
	Nominal cooling capac	city (range)		kW			2.0 (0.9 (Min.) - 2.9 (Max.))				
	Nominal heating capac	city (range)		kW			2.7 (0.9 (Min.) - 4.3 (Max.))				
	Heating capacity (H2)			kW								
		Coo	ling		0.44 (0.19 - 0.80)							
	Power consumption	Heat	ting	kW			0.59 (0.2	0 - 1.40)				
			ting (H2)]								
	Max power consumpti						1.6					
	Running current	Coo					2.6 / 2.5 / 2.4 (2	,	,			
		Heat	ting	A			3.2 / 3.0 / 2.9 (2	,	,			
Operation	Inrush current, max cu	rrent]		3.2	2/3.0/2.9 (220/	230/240V) M	ax. 9			
data	Power factor	Coo	-	%			7					
		Heat		70			8					
	EER	Coo					4.5					
	COP	Heat	-				4.5					
			ting (H2)		<u> </u>			-				
	Sound power level	Coo	-			48			56			
		Heat	-	dB(A)		50			56			
	Sound pressure level	Coo	ling	uD(0.0		Me: 25 Lo: 2			45			
		Heat	ting		Hi: 36	Me: 29 Lo: 2	:3 ULo: 19		45			
	Silent mode sound pre				ļ	-			ling:42 / Heating:43			
	ensions (Height x Width	x Depth)		mm		290 x 870 x 2		540	0 x 780(+62) x 290			
Exterior appe						v (8.0Y 9.3/0			Stucco white			
	color : Munsell, RAL)				Black (4.	.0PB 2.44/0.2	.5),(9011)	(4.2	Y 7.5/1.1), (7044)			
Net weight				kg		9.5			31.0			
	type & Quantity					-			7SBE71(Rotary type) x 1			
	motor (Starting method)	1		kW		_			5 (Inverter driven)			
	pil (Amount, type)			l					AMOND FREEZE MB75)			
<u> </u>	Type, amount, pre-charg	e length)		kg			door unit (Incl. the					
Heat exchan	•				Louver fir	ns & inner gro			& inner grooved tubing			
Refrigerant c							Ilary tubes + Elect					
Fan type & C						Tangential fan			Propeller fan x 1			
Fan motor (S	Starting method)		W		2 x1 (Direct d	,	24	4 x1 (Direct drive)				
Air flow		ling r	m³/min		Me: 7.0 Lo: 5			27.4				
		Heat	ting		Hi: 10.0	Me: 8.5 Lo: 6	3.5 ULo: 5.9	ļ	23.6			
	ternal static pressure			Pa		0		<u> </u>	0			
Outside air ir						Not possibl			-			
	ality / Quantity					pylene net (Wa	,	<u> </u>	_			
	ration absorber				Rubbe	er sleeve (for fa	an motor)	Rubber sleeve	e (for fan motor & compress			
Electric heat								<u> </u>	-			
Operation	Remote control						Wireless-ren					
control	Room temperature cor	ntrol			ļ		Microcompute					
	Operation display						RUN: Green ,					
0-6-6-					E		or overheat protec					
Safety equip	oments								an motor error protection, poling overload protection			
	Refrigerant piping size	(O D)		mm			ine: \$\$\phi_6.35 (1/4")	Gas line: ϕ	· ·			
	Connecting method	(0.0)			<u> </u>	Flare connect	,	· · ·	Flare connection			
	Attached length of pipi	ing		m		ne : 0.54 / Gas	-	<u>г</u>				
nstallation	Insulation for piping	<u></u>					ecessary (Both si	ides) independ				
data	Refrigerant line (one w	vav) length			<u> </u>	N	Max		John			
	Vertical height diff. bet		 +	m m		av 10 (Outdo	or unit is higher)		toor unit is lower)			
	Drain hose					connectable	,	· · · · · · · · · · · · · · · · · · ·	1000 f d 1111 15 10 $wer)$			
Drain nume	max lift height			mm	nose		(******)	п				
	ded breaker size			A	<u> </u>		10	6				
	ed rotor ampere)			A	<u> </u>		3.2 / 3.0 / 2.9 (2	-)			
Interconnect	/	x Core number		~	1 5	² x 1 corce //-	,	,) lock (Screw fixing type)			
Interconnect					1.5000	IPX0	ciduling earth cab		IPX4			
Standard aco	cessories				Mounting kit		ergen clear filtor y 1	Photocatalutia	washable deodorizing filter x			
						Jiean IIIter (All	Interface kit (washable debuonzing liller x			
Option parts					L			JU-DININZ-E)				
Notes (*	1) The data are measur	ed at the follow	wing cond	itions.			The pip	pe length is 5m.				
Γ	Item	Indoor air t	temperatu	re	Outdoor air	temperature	044					
	Operation	DB	WB		DB	WB		aius				
	Cooling	27°C	19°C	;	35°C	24°C	ISO515	51-T1				
ľ		20°C	- 1	\rightarrow	7°C	6°C	ISO515					
-	Heating											
-	Heating Heating (H2)	20°C	-	Г	2°C	1°C	ISO515	51-H2				
-		20°C		ed in c			ISO515	51-H2				

				Model								
Item					Indo	or unit SRK25	ZS-WB	Outdo	or unit SRC25ZS-W			
Power sourc	e					1 F	hase, 220 - 240V	, 50Hz / 220V, 6	0Hz			
	Nominal cooling capac	city (range)		kW			2.5 (0.9 (Min.) - 3.1 (Max.))				
	Nominal heating capac	city (range)		kW			3.2 (0.9 (Min.) - 4.5 (Max.))				
	Heating capacity (H2)			kW			-	-				
		Coo	ling			0.62 (0.19 - 0.90)						
	Power consumption	Heat	ting	kW			0.74 (0.2	0 - 1.42)				
		l	ting (H2)]			-	-				
	Max power consumpti	on						35				
	Running current	Coo					3.3 / 3.1 / 3.0 (2	,				
		Heat	ting	A			3.7 / 3.6 / 3.4 (2	,				
Operation	Inrush current, max cu	rrent]		3.7	/ 3.6 / 3.4 (220/	230/240V) Ma	ax. 9			
data	Power factor	Coo	-	%			8	-				
		Heat		/0			9	-				
	EER	Coo	-				4.0					
	COP	Heat					4.3					
			ting (H2)					-				
	Sound power level	Coo				50			56			
		Heat	•			53			58			
	Sound pressure level	Coo		dB(A)		Me: 28 Lo: 23			46			
		Heat	ting		Hi: 39	Me: 30 Lo: 24	4 ULo: 19		46			
	Silent mode sound pre				ļ	-			ng:42 / Heating:43			
	ensions (Height x Width	x Depth)		mm		290 x 870 x 2		540	x 780(+62) x 290			
Exterior appe						v (8.0Y 9.3/0.			Stucco white			
	color : Munsell, RAL)				Black (4.	0PB 2.44/0.2	ວ),(9011)	(4.2)	(7.5/1.1), (7044)			
Net weight				kg		9.5			31.0			
	type & Quantity					-			SBE71(Rotary type) x 1			
	motor (Starting method))		kW		—			(Inverter driven)			
	pil (Amount, type)			l				(MOND FREEZE MB75)			
<u> </u>	Type, amount, pre-charg	je length)		kg			door unit (Incl. th		11 0 /			
Heat exchan	•				Louver fir	ns & inner groo			inner grooved tubing			
Refrigerant c							lary tubes + Elect					
Fan type & C						Tangential fan			ropeller fan x 1			
Fan motor (S	Starting method)		W		2 x1 (Direct dr	,	24	x1 (Direct drive)				
Air flow		ling r	m³/min		/le: 8.0 Lo: 5.			27.4				
		Heat	ting		Hi: 11.3	Me: 8.7 Lo: 6	.7 ULo: 5.9		23.6			
	ternal static pressure			Pa		0			0			
Outside air ir						Not possible			-			
	ality / Quantity					oylene net (Wa	,		-			
	ration absorber				Rubbe	er sleeve (for fa	an motor)	Rubber sleeve	(for fan motor & compress			
Electric heat						_			_			
Operation	Remote control						Wireless-ren					
control	Room temperature cor	ntrol					Microcomput					
	Operation display						RUN: Green,					
0-6-6-					F		r overheat protec					
Safety equip	oments								n motor error protection, oling overload protection			
	Refrigerant piping size	(O D)		mm			ne: \phi 6.35 (1/4")	Gas line: φ 9				
	Connecting method	(0.0)				Flare connecti	,	,	lare connection			
	Attached length of pipi	ing		m		ne : 0.54 / Gas	-	Г	_			
nstallation	Insulation for piping	<u></u> 9					ecessary (Both si	des) independ				
data	Refrigerant line (one w						Max		ont			
	Vertical height diff. bet		+	m m	N.4	ax 10 (Outdo	or unit is higher)		oor unit is lower)			
	Drain hose					connectable (<u> </u>		ble ϕ 20 x 2 pcs			
Drain nume	max lift height			mm	nose		vi 10 j					
	ded breaker size			A			1	6				
	ed rotor ampere)			A	<u> </u>		3.7 / 3.6 / 3.4 (2	-				
Interconnect	<u>, , , , , , , , , , , , , , , , , </u>	x Core number		~	1 5 000	2 x 4 cores (lp)			ock (Screw fixing type)			
Interconnect					1.5000	IPX0	Juding earth Cab		IPX4			
Standard aco	cessories				Mounting kit		argen clear filtor v 1	Photocatolytic	vashable deodorizing filter x			
						Jiean IIIter (Alle	Interface kit (asilable debuorizing liller x			
Option parts					<u> </u>		interface Kit (JO-DIRINZ-E)				
Notes (*	1) The data are measur	ed at the follow	wing cond	itions.			The pip	e length is 5m.				
Γ	Item	Indoor air t	temperatur	re	Outdoor air	temperature	Oher -					
	Operation	DB	WB		DB	WB	- Stand	arus				
	Cooling	27°C	19°C	;	35°C	24°C	ISO515	51-T1				
ŀ	~	20°C	- 1	\rightarrow	7°C	6°C	ISO515					
-	Heating											
-	Heating Heating (H2)	20°C	-		2°C	1°C	ISO515	1-H2				
-		20°C		ed in c		1	ISO515	1-H2				

				Model			SRK35	ZS-WB		
Item					Indo	or unit SRK3			oor unit SRC35ZS-W	
Power sourc						1	Phase, 220 - 240V	, ,	60Hz	
	Nominal cooling capac			kW			3.5 (0.9 (Min.	, , ,,		
	Nominal heating capac	city (range)		kW			4.0 (0.9 (Min.) - 5.0 (Max.))		
	Heating capacity (H2)		line as	kW			-	-		
	Device concurrention	Cool		1.0.07			0.89 (0.1	,		
	Power consumption	Heat	-	kW			0.94 (0.1	9 - 1.45)		
		l	ting (H2)					-		
	Max power consumpti		line				4.4 / 4.2 / 4.0 (2		0	
	Running current	Cool	<u> </u>	^					/	
o		Heat	ing	A		4	4.6 / 4.4 / 4.2 (2		,	
Operation data	Inrush current, max cu		line			4.	<u>6 / 4.4 / 4.2 (220/</u> 9	,	viax. 9	
uala	Power factor	Cool	•	%						
		Heat					9			
	EER	Cool	-							
	COP	Heat	-				4.2			
			ting (H2)			54		-	01	
	Sound power level	Cool				54			<u>61</u> 61	
		Heat			11: 40		20.111.0.10		50	
	Sound pressure level	Cool	-	dB(A)		Me: 30 Lo: 2				
	Silont mode cound and	Heat	ing		HI: 41	Me: 36 Lo: 2	20 010:19	0-	48 oling:45 / Hosting:44	
Extorion dire	Silent mode sound pre						220		oling:45 / Heating:44	
	ensions (Height x Width	x Deptn)		mm	Eine and	290 x 870 x 2		54	40 x 780(+62) x 290	
Exterior app (Equivalent of	earance color : Munsell, RAL)					v (8.0Y9.3/0 .0PB 2.44/0.3		(1	Stucco white 2Y 7.5/1.1) , (7044)	
Net weight				kg		9.5		(4.	34.5	
0	type & Quantity			1.9		-		RM-R50	77SBE2(Rotary type) x 1	
	motor (Starting method)			kW		_			90 (Inverter driven)	
	pil (Amount, type)			l					IAMOND FREEZE MB75)	
	Type, amount, pre-charg			kg	P	32 0 78 in ou	itdoor unit (Incl. th	,	the piping of 15m)	
Heat exchan		e length)		ĸġ		ns & inner gro			& inner grooved tubing	
Refrigerant o	<u> </u>				Louvern		illary tubes + Elect		v	
Fan type & C					-	Tangential far		a onio expansi	Propeller fan x 1	
	Starting method)			W		2 x1 (Direct c			24 x1 (Direct drive)	
		ling	vv		`	7.0 ULo: 5.0	2	31.5		
Air flow		Heat	-	m³/min			7.0 ULo: 5.6		27.8	
	ternal static pressure	neat	ing	Pa	HI. 12.3 I	0	7.0 OL0. 5.0		0	
Outside air i				īа		Not possib			_	
	ality / Quantity				Polypro	pylene net (W				
	ration absorber					er sleeve (for f	,	Rubber sleev	ve (for fan motor & compress	
Electric heat					TIUDDO	-	anmotory	Tubber Sieer		
	Remote control						Wireless-rer	note control		
Operation	Room temperature cor	atrol					Microcomput			
control	Operation display						RUN: Green ,		J.	
Safety equip						tection, Seria	or overheat protect	tion, Overcurr ction, Indoor		
	Refrigerant piping size	(O.D)		mm			ine: φ6.35 (1/4")	Gas line: ϕ		
	Connecting method	<u> </u>			l	Flare connec	,		Flare connection	
	Attached length of pipi	ing		m		ne : 0.54 / Ga			_	
Installation	Insulation for piping						lecessary (Both s	ides), indeper	ndent	
data	Refrigerant line (one w	vay) length		m			Max			
	Vertical height diff. bet		I.U.	m	м	ax.10 (Outdo			tdoor unit is lower)	
	Drain hose					connectable			Hole φ20 x 2 pcs	
Drain pump.	, max lift height			mm		_	/		-	
	ded breaker size			A			1	6		
	ed rotor ampere)			A			4.6 / 4.4 / 4.2 (2	-	V)	
Interconnect	/	x Core number			1.5mm	² x 4 cores (Ir			olock (Screw fixing type)	
IP number						IPX0			IPX4	
Standard ac	cessories				Mounting kit.	Clean filter (Al	lergen clear filter x 1	, Photocatalytic	washable deodorizing filter x	
Option parts						(/ u	Interface kit (
	1) The data are measur	ed at the follow	vina conc	ditions.				,		
,(Item	Indoor air t			Outdoor air	temperature	i ne pi	pipe length is 5m.		
			, <u> </u>			· · ·		ards		
-	Operation	DB	WE 10°		DB	WB	100517	- T-		
-	Cooling	27°C	19°0		35°C	24°C	ISO515			
	Heating	20°C	-		7°C	6°C	ISO515			
F	Looting (L(1))	20°C	ı —	1	2°C	1°C	ISO515	1-HZ		
Į	Heating (H2)									
,	2) This air-conditioner is	s manufactured							r due to ambient conditio	

				Model			SRK50	ZS-WB		
-					Indo	or unit SRK50Z			or unit SRC50ZS-W	
Power source	1		r			1 PI		,,.	30Hz	
								, , ,,		
		ity (range)					5.8 (1.3 (Min.) - 6.6 (Max.))		
	Heating capacity (H2)			kW			-	-		
	Device consumption			1.4.47				,		
Exterior appea (Equivalent co Net weight Compressor t Compressor r Refrigerant oil Refrigerant oil Heat exchang Refrigerant co Fan type & Qu Fan motor (St Air flow Available exte Outside air int Air filter, Quali	Power consumption		-	KVV			1.56 (0.2	5 - 1.98)		
			ing (H2)				-	-		
	Max power consumption									
	Ince 1 Phase, 220 - 240V, 50Hz / 220V, 60Hz Nominal cooling capacity (range) KW 5.0 (1.3 (km), -5.5 (Max.)) Nominal heating capacity (range) KW 5.8 (1.3 (km), -5.5 (Max.)) Power consumption Heating - Power consumption Heating (H2) - Max power consumption 2.68 Running current Cooling Heating - Power factor Cooling Heating - Power factor Cooling Heating - Power factor Cooling Heating - Power factor Cooling Heating - Sound power level Cooling Heating - COP Heating Heating - Sound pressure level Cooling d Heating - Sound pressure level - Cooling/43 / Heating It color Mursal, RAL) Kg - Cooling/43 / Heating Sound pressure level - Cooling/43 / Heating - It color Mursal, RAL) Kg - Cooling/43 / Heating It color Mursal, RAL) Fine									
.			ing	A		7.0 (,		
	Inrush current, max cu	1				7.27		,	. 14.5	
Jala	Power factor		-	%				-		
	EED							-		
			-							
	COP		-							
						50	-	-	61	
	Sound power level		-							
			-				LII. et 00			
	Sound pressure level		•	UD(A)						
	Cilent media accurd me		ing		HI: 46	NIE: 37 LO: 31	UL0: 24	Cast		
Interior dias				mm			0			
		k Depth)		m				595	. ,	
								(1)		
				ka	Didok (4.		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(7.2		
0	type & Quantity			тя				9RS102Y		
				k\M						
						_			. ,	
		e length)		-	P	32 1 05 in out	loor unit (Incl. th		(/	
<u> </u>		elengin		ĸġ			, ,			
	<u> </u>				Louverin	v				
					-	·				
				14/						
		ina	••		(,	24	(/		
Air flow			-	m³/min						
Available ext	ternal static pressure	Heat	ing	Pa	HI. 13.9 N		.1 0L0.7.4			
				ιa		-			-	
					Polyproj		shable) x 2			
							,	Pubbar clasva		
						i sleeve (lor la	T MOLOF)	hubber sieeve	(IOF IAIT MOLOF & COMPRESSO	
						_	Wireless ren	noto control		
Operation	Room temperature cor	atrol					Microcomput			
control	Operation display						RUN: Green			
Safety equip						tection, Serial s	overheat protec	tion, Overcurrer ction, Indoor fa	nt protection, In motor error protection, poling overload protection	
	Refrigerant piping size	(O.D)		mm			e: φ6.35 (1/4")	Gas line: φ 1		
	Connecting method					Flare connectio	, , ,	,	lare connection	
	Attached length of pipi	ng		m	Liquid li	ne : 0.54 / Gas	line : 0.47		-	
	Insulation for piping						cessary (Both si	ides), independ	Jent	
lata	Refrigerant line (one w	/ay) length		m	1		Max			
	Vertical height diff. bet		I.U.	m	М	ax.15 (Outdoo			loor unit is lower)	
	Drain hose				Hose	connectable (VP 16)	H	ole φ20 x 2 pcs	
Drain pump,	max lift height			mm		_			_	
Recommend	led breaker size			А			2	0		
.R.A. (Locke	ed rotor ampere)			А			7.2 / 6.9 / 6.6 (2	220/ 230/ 240V)	,	
nterconnecti	ing wires Size :	x Core number			1.5mm	² x 4 cores (Inc	luding earth cab	le) / Terminal blo	ock (Screw fixing type)	
P number	· · · · ·					IPX0			IPX4	
Standard acc	cessories				Mounting kit,	Clean filter (Alle	rgen clear filter x 1	, Photocatalytic v	washable deodorizing filter x	
Option parts	1						Interface kit (SC-BIKN2-E)		
Notes (1	1) The data are measure	ed at the follow	/ing conc	litions			The nir	e length is 5m		
Г	Item Indoor air tempera				Outdoor air	temperaturo	The pit	pipe length is 5m.		
						temperature	Stand	ards		
I	Operation	DB	WE 10°C		DB	WB 24°C	100515	:1 T1		
F	Cooling	27°C	19°0	_ ر	35°C	24°C	ISO515			
F		20°C	-		7°C	6°C	ISO515			
	Heating	0000			~~~	100	100515			
-	Heating (H2)	20°C			2°C	1°C	ISO515	51-H2		
	Heating (H2) 2) This air-conditioner is	s manufactured			onformity with	the ISO.	1		due to ambient condition	

			N	/lodel	el SRK20ZS-WT								
Item					Indo	or unit SRK20	ZS-WT	Outdoo	or unit SRC20ZS-W				
Power sourc	e					11	Phase, 220 - 240V	, 50Hz / 220V, 6	0Hz				
	Nominal cooling capac	city (range)		kW			2.0 (0.9 (Min.) - 2.9 (Max.))					
	Nominal heating capac	city (range)		kW			2.7 (0.9 (Min.) - 4.3 (Max.))					
	Heating capacity (H2)			kW			-						
		Coo				0.44 (0.19 - 0.80)							
	Power consumption	Heat	<u> </u>	kW			0.59 (0.2	0 - 1.40)					
			ting (H2)					-					
	Max power consumpti						1.6						
	Running current	Coo					2.6 / 2.5 / 2.4 (2	, ,					
		Heat	ting	A			3.2 / 3.0 / 2.9 (2	,					
Operation	Inrush current, max cu		Page at		ļ	3.2	2/3.0/2.9 (220/	,	x. 9				
data	Power factor	Coo	-	%			7						
		Heat			ļ		8						
	EER	Coo	<u> </u>				4.5						
	COP	Heat	ting (H2)				4.3						
		Coo				48		-	56				
	Sound power level	Heat				40 50			56				
		Coo	<u> </u>		Li: 24	Me: 25 Lo: 2	0.110		45				
	Sound pressure level			dB(A)					45				
	Silent mode sound pre	Heat	ung		06.16	Me: 29 Lo: 2	5 OLO. 19	Cooli	45 ng:43 / Heating:45				
	ensions (Height x Width		—— <u> </u>	mm		 290 x 870 x 2	230		x 780(+62) x 290				
Exterior appe							/0.63),(7048)		Stucco white				
	color : Munsell, RAL)					0PB 2.44/0.2			7.5/1.1), (7044)				
Net weight	- / /			kg		9.5			31.0				
0	type & Quantity			5		_		9RS102XI	DA21(Rotary type) x 1				
	motor (Starting method))		kW		_			(Inverter driven)				
Refrigerant c	pil (Amount, type)			l		_		C).32 (FW50S)				
Refrigerant (Type, amount, pre-charg	e length)		kg	R		tdoor unit (Incl. th	e amount for the	e piping of 15m)				
leat exchan				0		0		M fins & inner grooved tubing					
Refrigerant c	·					Capi	llary tubes + Elect		<u> </u>				
Fan type & C					т	Tangential fan			ropeller fan x 1				
Fan motor (S	Starting method)		W	4	2 x1 (Direct d	rive)	24	x1 (Direct drive)					
A: (I	<u> </u>	ling	3	Hi: 9.3 N	Ae: 7.0 Lo: 5	.9 ULo: 5.0		27.4					
Air flow		Heat	ting m	ı³/min	Hi: 10.0	Me: 8.5 Lo: 6	6.5 ULo: 5.9		23.6				
Available ext	ternal static pressure			Ра		0			0				
Outside air ir	ntake					Not possibl	e		_				
Air filter, Qua	ality / Quantity				Polyprop	oylene net (W	ashable) x 2		_				
Shock & vibr	ration absorber				Rubbe	er sleeve (for f	an motor)	Rubber sleeve	(for fan motor & compresso				
Electric heat	er					_			-				
Operation	Remote control						Wireless-ren	note control					
control	Room temperature cor	ntrol					Microcomput	er thermostat					
	Operation display						RUN: Green ,						
							or overheat protec						
Safety equip	oments								n motor error protection, pling overload protection				
	Refrigerant nining size			mm	Heating 0		ine: φ6.35 (1/4")	Gas line: ø 9	· ·				
	Refrigerant piping size Connecting method	(0.0)			<u> </u>	Flare connect	,	,	are connection				
		ing		m		ne : 0.54 / Ga	-	FI.					
nstallation	Attached length of pipe	ing		m			s line : 0.47 ecessary (Both si	ides) independ					
data	Refrigerant line (one w	(av) length		m	<u> </u>	N	Max		5111				
	Vertical height diff. bet		· · · ·	m m	N.4	av 10 (Outdo	or unit is higher)		or unit is lower)				
	Drain hose					connectable	<u> </u>	· · · · · · · · · · · · · · · · · · ·	ble ϕ 20 x 2 pcs				
Drain nume	max lift height			mm	nuse		(*****)						
	led breaker size			A			1	6					
	ed rotor ampere)			A			3.2 / 3.0 / 2.9 (2	-					
nterconnect	/	x Core number			1.5mm	² x 4 cores (In		,	ock (Screw fixing type)				
P number	01201					IPX0	surfi oub		IPX4				
Standard aco	cessories				Mounting kit		ergen clear filter x 1	, Photocatalvtic w	ashable deodorizing filter x				
Option parts							Interface kit (
		ad at the f-ll		long	<u> </u>			,					
INOTES (1	1) The data are measur						The pip	be length is 5m.					
	Item Indoor air tempera					temperature	Stand	Idards					
	Operation	DB	WB		DB	WB							
L	Cooling	27°C	19°C		35°C	24°C	ISO515						
ŀ					7°C	6°C	ISO515	i1-H1					
-	Heating	20°C											
-	Heating Heating (H2)	20°C			2°C	1°C	ISO515	i1-H2					
-		20°C	-	ed in c	2°C	1℃		51-H2					

				Model			SRK25ZS-WT						
Item					Indo			Outdoor unit SRC25ZS-W					
Power sourc	1		r			1 Ph		,,.	i0Hz				
								, , ,,					
		sity (range)					3.2 (0.9 (Min.) - 4.5 (Max.))					
	Heating capacity (H2)		ling	KVV			0.62 (0.1	-					
	Power consumption							,					
			-	IX V V			0.74(0.2	-					
	Max power consumpti		.ing (nz)				1 6						
Item Indoor unit SRK252s-WT Outdoor unit SRC Power source 1 Phase 220 - 240V, 50Hz / 220V, 60Hz 1 Phase 220 - 240V, 50Hz / 220V, 60Hz Nominal heating capacity (range) KW 2.5 (0.9 (Min) - 3.1 (Max.)) Heating capacity (H2) KW 3.2 (0.9 (Min) - 4.5 (Max.)) Heating capacity (H2) KW													
	Running current		-	А			(,					
Operation	Inrush current, max cu							,					
	Devues feetes	Cool	ling	07			8	6					
	Power lactor	Heat	ting	%			9	0					
	EER	Cool	ling				4.0	03					
	COP						4.3	32					
							-	-					
	Sound power level												
			-										
	Sound pressure level		-	dB(A)					-				
	· · · · · · · · · · · · · · · · · · ·		ling		Hi: 39	Me: 30 Lo: 24	ULo: 19						
						-							
		x Depth)		mm				540	()				
								(4)					
				ka	DiaUK (4.		,,(3011)	(4.2					
0	type & Quantity			9				BM-C50					
				kW					(, ,				
						_			· /				
		e lenath)		-	B	32 0 62 in outd	oor unit (Incl. th						
		<u>e longin</u>		ng			, ,		11 0 /				
	<u> </u>				Louvor III				<u> </u>				
					-								
				W									
		lina			`	,	21	()					
Air flow			m³/min										
Available ext	ternal static pressure			Ра									
						Not possible			_				
					Polypro	1	hable) x 2		_				
Shock & vibr	ration absorber				Rubbe	r sleeve (for fan	motor)	Rubber sleeve	e (for fan motor & compresso				
Electric heat	er					_			-				
	Remote control						Wireless-ren	note control					
Operation control	Room temperature cor	ntrol					Microcomput	er thermostat					
Jontroi	Operation display						RUN: Green ,	TIMER: Yellow					
Safety equip	oments					ection, Serial s		ction, Indoor fa	nt protection, in motor error protection, oling overload protection				
	Refrigerant piping size	(O.D)		mm			e: φ6.35 (1/4")	Gas line: φ 9					
	Connecting method	<u> </u>				Flare connectio	, , ,	i	Tare connection				
	Attached length of pipi	ing		m		ne : 0.54 / Gas I			_				
nstallation Jata	Insulation for piping						essary (Both si	ides), independ	lent				
μαια	Refrigerant line (one w	/ay) length		m			Мах						
	Vertical height diff. bet		I.U.	m	M	ax.10 (Outdoor	unit is higher)	/ Max.10 (Outd	loor unit is lower)				
	Drain hose				Hose	connectable (\	/P 16)	H	ole ϕ 20 x 2 pcs				
Drain pump,	max lift height			mm					_				
Recommend	led breaker size			А			1	-					
.R.A. (Locke	ed rotor ampere)			А			3.2/3.0/2.9 (2						
nterconnect	ing wires Size x	x Core number			1.5mm		uding earth cab	le) / Terminal blo	ock (Screw fixing type)				
P number						IPX0			IPX4				
Standard acc					Mounting kit,	Clean filter (Allerg	-		washable deodorizing filter x				
Option parts							Interface kit (SC-BIKN2-E)					
Notes (*	1) The data are measure	ed at the follov	wing cond	ditions.			The pir	be length is 5m.					
, T	Item	Indoor air t			Outdoor air	temperature		-					
	Operation	DB	WE		DB	WB	Stand	ards					
I	Cooling	27°C	19°		35°C	24°C	ISO515	51-T1					
ŀ			-		7°C	6°C	ISO515						
-	Heating	2010					1 100010						
-	Heating Heating (H2)	20°C 20°C	<u> </u>		2°C		ISO515	51-H2					
-	Heating (H2)	20°C	-	ted in a	2°C	1°C	ISO515	51-H2					
-	Heating (H2) 2) This air-conditioner is	20°C s manufactured	d and tes		onformity with	1°C the ISO.			due to ambient conditior				

				Model			SRK35	ZS-WT	
Item					Indo	or unit SRK3			oor unit SRC35ZS-W
Power sourc	1					1	Phase, 220 - 240V	,,	60Hz
	Nominal cooling capacity (range)			kW	ļ	3.5 (0.9 (Min.) - 4.0 (Max.))			
	Nominal heating capacity (range)			kW			4.0 (0.9 (Min.) - 5.0 (Max.))	
	Heating capacity (H2)	0		kW			-	-	
	Co			kW			0.89 (0.1	,	
	Power consumption	Heat	-	KVV			0.94 (0.1	9 - 1.45)	
	Max power consumpti		ing (H2)					-	
	Cooling		ing				4.4 / 4.2 / 4.0 (2		٨
	Running current			А			4.6 / 4.4 / 4.2 (2		/
Description	Inrush current, max current		ing	~			6 / 4.4 / 4.2 (220/		,
Operation data	Initiasi current, max cu	1	ina			4.	9	,	1dx. 9
	Power factor Cooling Heating EER Cooling		-	%			9		
							3.9		
			-	-			4.2		
	COP		Heating Heating (H2)						
		Cool				54			61
	Sound power level	Heat	-			56			61
		Cool	-	dB(A)	Hi: 40	Me: 30 Lo: :	26 110.19		50
	Sound pressure level	Heat	<u> </u>	UD(//)		Me: 36 Lo: 1			48
	Silent mode sound pre				111. 41			Cor	bling:45 / Heating:44
Exterior dim	ensions (Height x Width			mm		 290 x 870 x 3	230		0 x 780(+62) x 290
Exterior app							230 9/0.63),(7048)		Stucco white
	color : Munsell, RAL)						25),(9011)	(4.)	2Y 7.5/1.1), (7044)
Net weight				kg		9.5	,,,,,		34.5
0	type & Quantity			5		_		RM-B50	77SBE2(Rotary type) x 1
	motor (Starting method))		kW		_			00 (Inverter driven)
	pil (Amount, type)			l					AMOND FREEZE MB75)
<u> </u>	Type, amount, pre-charg	e lenath)		kg	B	32 0.78 in or	utdoor unit (Incl. th	· · ·	,
Heat exchar							poved tubing		& inner grooved tubing
Refrigerant of	•				Capillary tubes + Electronic expansion valve				
Fan type & C					-	Tangential far		· · · · · · · · · · · · · · · · · · ·	Propeller fan x 1
Fan motor (Starting method)		W		2 x1 (Direct o			4 x1 (Direct drive)		
		Cool	ina			,	7.0 ULo: 5.0		31.5
Air flow		Heat		m³/min			: 7.0 ULo: 5.6		27.8
Available ext	ternal static pressure			Ра		0			0
Outside air i						Not possib	le		_
	ality / Quantity				Polypror	pylene net (M			_
	ration absorber					er sleeve (for	,	Rubber sleev	e (for fan motor & compress
Electric heat									_
	Remote control						Wireless-ren	note control	
Operation	Room temperature cor	ntrol					Microcomput	er thermostat	
control	Operation display						RUN: Green ,	TIMER: Yellow	,
Safety equip					Compressor overheat protection, Overcurrent protection, Frost protection, Serial signal error protection, Indoor fan motor error protectic Heating overload protection(High pressure control), Cooling overload protecti			ent protection, an motor error protection,	
	Refrigerant piping size	(O.D)		mm	U		line: φ6.35 (1/4")	Gas line: ϕ	
	Connecting method	· · ·				Flare connec	· · ·		Flare connection
	Attached length of pipi	ing		m	Liquid line : 0.54 / Gas line : 0.47			_	
nstallation	Insulation for piping	<u> </u>			Necessary (Both sides), independent			dent	
data	Refrigerant line (one w	vay) length		m	Max.20				
	Vertical height diff. bet		I.U.	m	М	ax.10 (Outde	por unit is higher)		door unit is lower)
	Drain hose					connectable	<u> </u>	· · · · · · · · · · · · · · · · · · ·	Hole φ20 x 2 pcs
Drain pump,	max lift height			mm		_			_
	ded breaker size			Α			1	6	
L.R.A. (Lock	ed rotor ampere)			А			4.6 / 4.4 / 4.2 (2	20/ 230/ 240	V)
Interconnect	ting wires Size :	x Core number			1.5mm	² x 4 cores (li			lock (Screw fixing type)
IP number						IPX0			IPX4
Standard ac	cessories				Mounting kit,	Clean filter (Al	lergen clear filter x 1	, Photocatalytic	washable deodorizing filter x
Option parts	3						Interface kit (-
Notes (1) The data are measure	ed at the follow	vina conc	ditions			The	ne length is 5m	
NOLES (· · · · · · · · · · · · · · · · · · ·				0		i ne pip	pe length is 5m.	
	Item	Indoor air t	· ·			temperature		ards	
ŗ	Operation	DB	WE		DB	WB			
	Cooling	27°C	19°		35°C	24°C	ISO515		
	Heating	20°C	-		7°C	6°C	ISO515		
			1		2°C	1°C	1 190515	51-H2	
-	Heating (H2)	20°C				1	100010		
	2) This air-conditioner is	s manufactured			onformity with	h the ISO.			due to ambient condition

				Model			SRK50	ZS-WT	
Item					Indo	or unit SRK50	ZS-WT	Outdoo	or unit SRC50ZS-W
Power source	1					1 P	hase, 220 - 240V		0Hz
	Nominal cooling capac			kW			5.0 (1.3 (Min.	, , ,,	
	Nominal heating capacity (range)			kW			5.8 (1.3 (Min.) - 6.6 (Max.))	
	Heating capacity (H2)			kW				-	
		Cool					1.35 (0.2	,	
	Power consumption	Heat	-	kW			1.56 (0.2	5 - 1.98)	
		l	ing (H2)						
	Max power consumpti						2.6		
	Running current	Cool	-				6.2/5.9/5.7 (2	,	
	Heating		ing	A		7.0	7.2 / 6.9 / 6.6 (2	,	
	Inrush current, max cu					1.27	6.9/6.6 (220/2	,	14.5
	Power factor	Cool	•	%		<u> </u>	9	-	
	EER Cooling						3.7		
			•	-					
	COP		Heating Heating (H2)			-	3.7		
						59		-	61
	Sound power level	Cool	-			59 60			
		Heat	•		15.40		0.111.00		63
	Sound pressure level	Cool		dB(A)		Me: 36 Lo: 2		I	51
	Silent mode sound pressure level		.irig		HI: 46	Me: 37 Lo: 3	i UL0:24	0 a c ¹¹	52
vtorior dire				mm		 290 x 870 x 23	20		ng:45 / Heating:44
Exterior dime	ensions (Height x Width			mm			30 (0.63),(7048)		x 780(+62) x 290 Stucco white
	earance color : Munsell, RAL)					9 (1.67 6.59/ .0PB 2.44/0.2			Stucco white (7.5/1.1), (7044)
Net weight				kg		10.0	_ ,,(00/1)	(1.21	36.0
	type & Quantity	·				_		9RS102X	DA21(Rotary type) x 1
1	motor (Starting method)			kW		_			(Inverter driven)
· ·	pil (Amount, type)			l					0.32 (FW50S)
	Type, amount, pre-charg	e lenath)		kg	B	32 1 05 in out	door unit (Incl. th	1	
Heat exchange		<u>o longin</u>		Ng		ns & inner groo	· · · · · ·		inner grooved tubing
Refrigerant c	•	-			Capillary tubes + Electronic expansion valve			<u> </u>	
Fan type & Q					-	Tangential fan		· · · · · · · · · · · · · · · · · · ·	ropeller fan x 1
Fan motor (Starting method)		W		2 x1 (Direct dr			x1 (Direct drive)		
		Cool	ina			Me: 9.9 Lo: 7	,	<u>~</u>	32.8
Air flow		Heat		m³/min		Me: 11.2 Lo: 9			32.8
Available ext	ternal static pressure	ricat	ing	Pa	111. 10.0 1	0	OLO. 7.4		0
Outside air ir				i u		Not possible			_
	ality / Quantity				Polyproj	pylene net (Wa		ļ	
	ration absorber					er sleeve (for fa	,	Rubber sleeve	(for fan motor & compresso
Electric heate					110000	-			
	Remote control						Wireless-ren	note control	
Operation	Room temperature cor	atrol					Microcomput		
control	Operation display						RUN: Green ,		
Safety equip					Compressor overheat protection, Overcurrent protection, Frost protection, Serial signal error protection, Indoor fan motor error protection Heating overload protection(High pressure control), Cooling overload protection			n motor error protection,	
	Refrigerant piping size	(O.D)		mm			ne: φ6.35 (1/4")	Gas line: ϕ 1	
	Connecting method	<u> </u>			Flare connection Flare connection			. ,	
	Attached length of pipi	ina		m	Liquid line : 0.54 / Gas line : 0.47 –				
nstallation	Insulation for piping				Necessary (Both sides), independent			ent	
data	Refrigerant line (one w	vav) length		m	Max.25			-	
	Vertical height diff. bet		I.U.	m	М	ax.15 (Outdoo	or unit is higher)		oor unit is lower)
	Drain hose					connectable (,	ble ϕ 20 x 2 pcs
Drain pump.	max lift height			mm		_	- /		
	ded breaker size			A			1	6	
	ed rotor ampere)			A			7.2 / 6.9 / 6.6 (2	-	
nterconnecti	/	x Core number			1.5mm	² x 4 cores (Ind		,	ock (Screw fixing type)
P number						IPX0			IPX4
Standard acc	cessories				Mounting kit,	Clean filter (Alle	rgen clear filter x 1	, Photocatalytic w	ashable deodorizing filter x
Option parts							Interface kit (
	1) The data are measur	ed at the follov	ving cond	ditions.				pe length is 5m.	
	Item	Indoor air t			Outdoor air	temperature			
	Operation	DB	WE		Duiddor air DB	WB	- Stand	ards	
		27°C					100511	51 T1	
-	Coolina	210	19°		35°C 7°C	24°C	ISO515		
-	Cooling	0000	1						
-	Heating	20°C	-			6°C	ISO515		
-	Heating Heating (H2)	20°C	-		2°C	1°C	ISO515		
(2	Heating Heating (H2) 2) This air-conditioner is	20°C s manufactured	d and tes	ted in c	2°C onformity with	1°C n the ISO.	ISO515	51-H2	due to ambient conditior

Packing material weight list

Packing n	naterial weight	list								Unit: kg
Model	Material	Gross Weight	Packing Parts weight (Total)	Glass	Plastic	Paper and board	Me Aluminium	tal Steel	Wood	Other
	SRK20ZS-W	11.5	1.21	0.00	0.33	0.88	0.00	0.00	0.00	0.00
	SRK25ZS-W	11.5	1.21	0.00	0.33	0.88	0.00	0.00	0.00	0.00
	SRK35ZS-W	11.5	1.21	0.00	0.33	0.88	0.00	0.00	0.00	0.00
	SRK50ZS-W	12.0	1.21	0.00	0.33	0.88	0.00	0.00	0.00	0.00
	SRK20ZS-WB	11.5	1.21	0.00	0.33	0.88	0.00	0.00	0.00	0.00
	SRK25ZS-WB	11.5	1.21	0.00	0.33	0.88	0.00	0.00	0.00	0.00
Indoor	SRK35ZS-WB	11.5	1.21	0.00	0.33	0.88	0.00	0.00	0.00	0.00
	SRK50ZS-WB	12.0	1.21	0.00	0.33	0.88	0.00	0.00	0.00	0.00
	SRK20ZS-WT	11.5	1.21	0.00	0.33	0.88	0.00	0.00	0.00	0.00
	SRK25ZS-WT	11.5	1.21	0.00	0.33	0.88	0.00	0.00	0.00	0.00
	SRK35ZS-WT	11.5	1.21	0.00	0.33	0.88	0.00	0.00	0.00	0.00
	SRK50ZS-WT	12.0	1.21	0.00	0.33	0.88	0.00	0.00	0.00	0.00
	SRC20ZS-W	32.5	2.04	0.00	0.35	1.69	0.00	0.00	0.00	0.00
Outdoor	SRC25ZS-W	32.5	2.04	0.00	0.35	1.69	0.00	0.00	0.00	0.00
Outdoor	SRC35ZS-W	36.0	2.04	0.00	0.35	1.69	0.00	0.00	0.00	0.00
	SRC50ZS-W	38.0	2.13	0.00	0.35	1.78	0.00	0.00	0.00	0.00

2. EXTERIOR DIMENSIONS

(1) Indoor units

Models SRK20ZS-W, 25ZS-W, 35ZS-W, 50ZS-W SRK20ZS-WB, 25ZS-WB, 35ZS-WB, 50ZS-WB SRK20ZS-WT, 25ZS-WT, 35ZS-WT, 50ZS-WT



RLF000Z103

	(Flare)	(Flare)		es	ces	
	φ9.52 (3/8")	.35 (1/4")		φ20×2 places	M10-12×4 places	
		e) φ6				
Content	(gas side)	(liquid side	0			
	Service valve connection (gas side)	Service valve connection (liquid side) ϕ 6.35 (1/4")	Pipe/cable draw-out hole	Drain discharge hole	Anchor bolt hole	
Symbol	A	ш	ပ	Δ	ш	







RCV000Z036

The unit must be fixed with anchor bolts. An anchor bolt must not The unit must not be surrounded by walls on the four sides.

Notes (1) (2)

If the unit is installed in the location where there is a possibility of strong winds, place the unit such that the direction of air from the outlet gets perpendicular to the wind direction. protrude more than 15mm. $\widehat{\mathbf{e}}$

(2) Outdoor units

- Leave 200mm or more space above the unit.
- The wall height on the outlet side should be 1200mm or less.
- The model name label is attached on the right side of the unit. (4)

Models SRC20ZS-W, 25ZS-W, 35ZS-W







Unit:mm

	2") (Flare)	:") (Flare)		places	4 places
	¢12.7 (1∕2	φ6.35 (1/4		φ20×2 places	M10-12×4 places
Content	(gas side)	(liquid side)	0		
	Service valve connection (gas side) $\phi 12.7 (1/2")$	Service valve connection (liquid side) ϕ 6.35 (1/4")	Pipe/cable draw-out hole	Drain discharge hole	Anchor bolt hole
Symbol	A	ш	ပ	D	ш







Notes

9

- The unit must be fixed with anchor bolts. An anchor bolt must not The unit must not be surrounded by walls on the four sides.
- If the unit is installed in the location where there is a possibility of strong winds, place the unit such that the direction of air from the outlet gets perpendicular to the wind direction. protrude more than 15mm. $\widehat{\mathfrak{O}}$
 - Leave 200mm or more space above the unit.

Model SRC50ZS-W

- The wall height on the outlet side should be 1200mm or less. (4)
- The model name label is attached on the right side of the unit.



Installation space	280 or more	100 or more	80 or more	250 or more	
/	Ц	L2	L3	L4	

Unit:mm

RCV000Z037

(3) Remote control (a) Wireless remote control

Unit : mm





(b) Wired remote control (Option parts)

Interface kit (SC-BIKN2-E) is required to use the wired remote control.

Model RC-EX3A



• Do not install the remote control at following places.

(1) It could cause break-down or deformation of remote control.

- Where it is exposed to direct sunlight
- Where the ambient temperature becomes 0 °C or below, or 40 °C or above
- Where the surface is not flat
- · Where the strength of installation area is insufficient

(2) Moisture may be attached to internal parts of the remote control, resulting in a display failure.
 Place with high humidity where condensation occurs on the remote control

Where the remote control gets wet

(3) Accurate room temperature may not be detected using the temperature sensor of the remote control.

- · Where the average room temperature cannot be detected
- · Place near the equipment to generate heat
- · Place affected by outside air in opening/closing the door
- Place exposed to direct sunlight or wind from air-conditioner
- · Where the difference between wall and room temperature is large

(4) When you are using the automatic grille up and down panel in the IU, you may not be able to confirm the up and down motion.

· Where the IU cannot be visually confirmed

When installing the unit at a hospital, telecommunication facility, etc., take measures to suppress electric noises.

It could cause malfunction or break-down due to hazardous effects on the inverter, private power generator, high frequency medical equipment, radio communication equipment, etc. The influences transmitted from the remote control to medical or communication equipment could disrupt medical activities, video broadcasting or cause noise interference.

R/C cable:0.3mm²x2 cores

When the cable length is longer than 100 m, the max size for wires used in the R/C case is 0.5 mm^2 . Connect them to wires of larger size near the outside of R/C. When wires are connected, take measures to prevent water, etc. from entering inside.

≦ 200 m	0.5 mm ² x 2 cores
≦ 300m	0.75 mm ² x 2 cores
≦ 400m	1.25 mm ² x 2 cores
≦ 600m	2.0 mm ² x 2 cores

Adapted RoHS directive

PJZ000Z333



Wiring specifications

(1) If the prolongation is over 100m, change to the size below.

But, wiring in the remote control case should be under 0.5mm². Change the wire size outside of the case according to wire connecting. Waterproof treatment is necessary at the wire connecting section. Be careful about contact failure.

Length	Wiring thickness
100 to 200m	0.5mm ² ×2 cores
Under 300m	0.75mm ² ×2 cores
Under 400m	1.25mm ² ×2 cores
Under 600m	2.0mm ² ×2 cores

PJZ000Z295

3. ELECTRICAL WIRING

(1) Indoor units

Models SRK20ZS-W, 25ZS-W, 35ZS-W, 50ZS-W SRK20ZS-WB, 25ZS-WB, 35ZS-WB, 50ZS-WB SRK20ZS-WT, 25ZS-WT, 35ZS-WT, 50ZS-WT



RWA000Z416

(2) Outdoor units

Models SRC20ZS-W, 25ZS-W, 35ZS-W



RWC000Z315

T ALLEGUV MIH)	Meaning of marks Item Description 20S 4-way valve (coil) 20S Connector CN2DS Connector CNEV CNFAN CNTH CM CM EEV EEV EEV Eetric expansion valve (coil) FM CM TH A Discrbanger sensor TH3 Discrbanger temp. Sensor Discrbanger temp	
	Color marks Mark BL Blue WH White VG Vellow Golor VG Vellow	
	cable miner x 4	
PCB ASSY PCB1	INDOOR UNIT 2 POWER CABLE 1 [3] SIGNAL WIRE 3 Solution MAX running current Power cable Power cable ength Connecting cable Model name MAX running current Power cable ength Connecting cable Model name MAX running current Power cable ength Connecting cable Model name MAX running current Power cable ength Connecting cable Storbiolizations Storbiolizations 14.5 1.5mm²x 4 Storbiolizations Storbiolizations 3 14 1.5mm²x 4 Fibromice table specifications are based on the assumption that a metal or plastic conduit is used on the assumption that a metal or plastic conduit is used on the seconditi and a voltage doris 2%. For an installation trait and or plo	
	a wires a wire size x number* 2.0mm²x.3 2.0mm²x.3 based on the assumption the area on the assumption the land at the area on the assumption the national or the national o	
	INDOOR UNIT OWER CABLE 1 [3] ARTH WIRE 3 ARTH WIRE 4 Power cable, indoor-outdoor connecting wires Model name MAX trunning current w MAX trunning current w I 14.5 Stro502S-W 14.5 F he wire numbers include earth wire (Yelio 6 Switchgaar or circuit breaker capacity shou regulations. The power cables specifications are based with no more than three cables contained failing outside of these conditions, please i	
Power source 1 Phase 220-240V 50Hz 220V 60Hz 	TO INDOOR UNIT POWER CABLE SIGNAL WIRE EARTH WIRE Power cable, indoo Model name SRC502S-W • The wire number • Switchgear or cirin regulations. • The power cable if ning outside of failing outside of	

RWC000Z316

4. NOISE LEVEL

(1) Sound power level





Model SRK35ZS-W, -WB, -WT



Model SRK50ZS-W, -WB, -WT











(b) Each fan speed mode




















5. PIPING SYSTEM



Models SRK35ZS-W SRK35ZS-WB SRK35ZS-WT





6. RANGE OF USAGE & LIMITATIONS

Model	SRK20,25,35ZS-W SRK20,25,35ZS-WB SRK20,25,35ZS-WT	SRK50ZS-W SRK50ZS-WB SRK50ZS-WT
Indoor return air temperature (Upper, lower limits)	Cooling operation : Appro Heating operation : Appro (Refer to the selection cha	eximately 10 to 30°C D.B.
Outdoor air temperature (Upper, lower limits)		eximately -15 to 46° C D.B. Eximately -15 to 24° C D.B. art)
Refrigerant line (one way) length	Max. 20m	Max. 25m
Vertical height difference between outdoor unit and indoor unit	Max. 10m (Outdoor unit is higher) Max. 10m (Outdoor unit is lower)	Max. 15m (Outdoor unit is higher) Max. 15m (Outdoor unit is lower)
Power source voltage	Rating	±10%
Voltage at starting	Min. 85%	of rating
Frequency of ON-OFF cycle	Max. 4 times/h (Inching prevention 10 minutes)	Max. 7 times/h (Inching prevention 5 minutes)
ON and OFF interval	Min. 3	minutes

Selection chart

Correct the cooling and heating capacity in accordance with the conditions as follows. The net cooling and heating capacity can be obtained in the following way.

Net capacity = Capacity shown on specification \times Correction factors as follows.

(1) Coefficient of cooling and heating capacity in relation to temperatures



(2) Correction of cooling and heating capacity in relation to one way length of refrigerant piping

It is necessary to correct the cooling and heating capacity in relation to the one way piping length between the indoor and outdoor units.

Piping length [m]	7	10	15	20	25
Cooling	1.0	0.99	0.975	0.965	0.95
Heating	1.0	1.0	1.0	1.0	1.0

(3) Correction relative to frosting on outdoor heat exchanger during heating

In additions to the foregoing corrections (1), (2) the heating capacity needs to be adjusted also with respect to the frosting on the outdoor heat exchanger.

Air inlet temperature of outdoor unit in °CWB	-15	-10	-9	-7	-5	-3	-1	1	3	5 or more
Adjustment coefficient	0.95	0.95	0.94	0.93	0.91	0.88	0.86	0.87	0.92	1.00

How to obtain the cooling and heating capacity

Example : The net cooling capacity of the model SRK35ZS-W with the piping length of 15m, indoor wet-bulb temperature at 19.0°C and outdoor dry-bulb temperature 35°C is



7. CAPACITY TABLES

Models SRK20ZS-W, -WB, -WT

	Outdates						Indo	or air t	empera	ature					
Air flow	Outdoor air	21°C	CDB	23°0	CDB	26°C	CDB	27°0	CDB	28°0	CDB	31°C	CDB	33°0	CDB
AIT HOW	temperature	14°C	CWB	16°C	CWB	18°C	WB	19°C	CWB	20°C	CWB	22°C	CWB	24°C	CWB
	temperature	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
	10	2.25	2.11	2.36	2.08	2.45	2.19	2.49	2.17	2.53	2.15	2.60	2.25	2.67	2.20
	12	2.21	2.09	2.32	2.06	2.41	2.18	2.45	2.16	2.50	2.14	2.58	2.24	2.65	2.19
	14	2.17	2.06	2.28	2.04	2.38	2.17	2.42	2.15	2.47	2.12	2.55	2.23	2.62	2.18
	16	2.13	2.02	2.24	2.02	2.34	2.15	2.39	2.13	2.43	2.11	2.52	2.22	2.59	2.18
	18	2.08	1.98	2.19	2.01	2.30	2.14	2.35	2.12	2.40	2.10	2.49	2.21	2.56	2.17
	20	2.04	1.94	2.15	1.99	2.26	2.12	2.31	2.10	2.36	2.08	2.45	2.20	2.53	2.16
	22	1.99	1.89	2.10	1.97	2.22	2.10	2.28	2.09	2.32	2.07	2.42	2.19	2.50	2.14
Hi	24	1.94	1.85	2.05	1.95	2.18	2.07	2.24	2.08	2.28	2.06	2.38	2.18	2.47	2.14
9.3	26	1.90	1.80	2.01	1.91	2.14	2.03	2.20	2.06	2.24	2.04	2.35	2.17	2.43	2.13
(m ³ /min)	28	1.85	1.75	1.96	1.86	2.09	1.99	2.15	2.05	2.20	2.03	2.31	2.15	2.40	2.12
	30	1.79	1.70	1.90	1.81	2.05	1.94	2.11	2.01	2.16	2.01	2.27	2.14	2.36	2.09
	32	1.74	1.65	1.85	1.76	2.00	1.90	2.07	1.96	2.12	2.00	2.23	2.12	2.32	2.08
	34	1.69	1.60	1.80	1.71	1.95	1.85	2.02	1.92	2.07	1.97	2.19	2.08	2.28	2.07
	35	1.66	1.58	1.77	1.68	1.93	1.83	2.00	1.90	2.05	1.94	2.17	2.06	2.26	2.06
	36	1.63	1.55	1.74	1.65	1.90	1.81	1.98	1.88	2.02	1.92	2.15	2.04	2.24	2.05
	38	1.58	1.50	1.68	1.60	1.85	1.76	1.93	1.83	1.98	1.88	2.11	2.00	2.20	2.04
	39	1.55	1.47	1.66	1.57	1.83	1.74	1.91	1.81	1.95	1.85	2.08	1.98	2.18	2.04

		Heating mo	ode (HC)			(kW)
Air flow	Outdoor air		Indoo	or air tempe	rature	
	temperature	16°CDB	18°CDB	20°CDB	22°CDB	24°CDB
	-15°CWB	1.66	1.63	1.59	1.55	1.52
	-10°CWB	1.88	1.85	1.82	1.78	1.74
	-5°CWB	2.04	2.01	1.97	1.94	1.91
Hi	0°CWB	2.13	2.10	2.07	2.04	2.01
10.0	5°CWB	2.72	2.69	2.67	2.62	2.58
(m ³ /min)	6°CWB	2.76	2.73	2.70	2.67	2.63
	10°CWB	2.94	2.91	2.89	2.85	2.82
	15°CWB	3.20	3.17	3.14	3.11	3.08
1	20°CWB	3.43	3.41	3.39	3.35	3.32

Models SRK25ZS-W, -WB, -WT

Outdoor

air

10

24

26

28 30

32 34 35

36 38 39

Air flow

Hi

9.9

(m³/min)

23°CDB 16°CWB 26°CDB 27°CDB 28°CDB 18°CWB 19°CWB 20°CWB 21°CDB 31°CDB 14°CWB 22°CWB temperature TC SHC TC SHC TC SHC TC SHC TC SHC TC SHC 2.82 2.45 2.95 2.41 3.06 2.54 3.11 2.51 3.16 2.48 3.26 2.59 3.34 2.52 2.82 2.45 2.95 2.41 3.06 2.54 3.11 2.51 3.16 2.48 3.26 2.59 3.34 2.52 2.77 2.43 2.90 2.39 3.01 2.52 3.07 2.49 3.12 2.51 3.16 2.48 3.28 3.31 2.51 2.71 2.41 2.55 3.37 2.97 2.50 3.03 2.48 3.08 3.45 3.15 2.55 3.28 2.50 3.04 2.48 3.08 3.45 3.18 2.47 2.49 3.05 2.48 3.08 2.44 3.15 2.55 3.24 2.49 2.60 2.38 2.40 2.38 2.49 2.45 2.99 2.42 3.11 2.55 3.24 2.49 2.60 2.33 2.68 2.30 2.68 2.49 3.01 2.47 2.49 2.61 2.63 2.64 2.44 2.49 2.38 3.02 2.49 3.04

Indoor air temperature

 2.24
 2.13
 2.38
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1.94 1.84 2.07 1.97 2.28 2.17 2.38 2.23 2.44 2.21 2.61 2.37 2.72 2.33

		Heating mo	ode (HC)			(kW)
Air flow	Outdoor air		Indoo	or air tempe	rature	
	temperature	16°CDB	18°CDB	20°CDB	22°CDB	24°CDB
	-15°CWB	1.97	1.93	1.88	1.84	1.80
	-10°CWB	2.23	2.19	2.16	2.10	2.06
	-5°CWB	2.41	2.38	2.33	2.30	2.27
Hi	0°CWB	2.53	2.49	2.45	2.42	2.38
11.3	5°CWB	3.22	3.19	3.17	3.10	3.06
(m ³ /min)	6°CWB	3.27	3.24	3.20	3.16	3.12
	10°CWB	3.48	3.45	3.42	3.38	3.34
	15°CWB	3.79	3.75	3.73	3.69	3.65
	20°CWB	4.07	4.04	4.02	3.97	3.94

Models SRK35ZS-W -WB, -WT

Cooling mode

Cooling mode

Cooling mode

(kW)

(kW)

(kW)

33°CDB

24°CWB

TC SHC

	0.44						llndo	oor air t	empera	ature					
Air flow	Outdoor air	21°C	CDB	23°0	CDB	26°C	DB	27°C	CDB	28°C	DB	31°C	CDB	33°C	CDB
AIT HOW	temperature	14°C	CWB	16°C	WB	18°C	WB	19°C	CWB	20°C	WB	22°C	CWB	24°C	CWB
	temperature	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
	10	3.94	3.19	4.13	3.14	4.28	3.27	4.35	3.22	4.43	3.18	4.56	3.29	4.68	3.20
	12	3.87	3.15	4.06	3.11	4.22	3.24	4.29	3.20	4.37	3.16	4.51	3.27	4.63	3.18
	14	3.80	3.12	3.99	3.07	4.16	3.21	4.24	3.17	4.31	3.14	4.46	3.26	4.59	3.16
	16	3.72	3.08	3.91	3.04	4.09	3.18	4.18	3.15	4.25	3.12	4.40	3.24	4.54	3.15
	18	3.65	3.04	3.84	3.00	4.03	3.16	4.11	3.13	4.19	3.09	4.35	3.21	4.49	3.13
	20	3.57	3.01	3.76	2.97	3.96	3.12	4.05	3.10	4.13	3.06	4.29	3.19	4.43	3.12
	22	3.49	2.96	3.68	2.93	3.89	3.10	3.98	3.07	4.06	3.04	4.23	3.17	4.38	3.10
Hi	24	3.40	2.93	3.59	2.89	3.81	3.07	3.91	3.05	3.99	3.02	4.17	3.15	4.32	3.08
11.3	26	3.32	2.89	3.51	2.86	3.74	3.03	3.84	3.01	3.92	2.98	4.11	3.13	4.26	3.06
(m³/min)	28	3.23	2.84	3.42	2.82	3.66	3.00	3.77	2.99	3.85	2.96	4.04	3.11	4.20	3.04
	30	3.14	2.80	3.33	2.78	3.58	2.97	3.70	2.96	3.78	2.93	3.98	3.08	4.13	3.02
	32	3.05	2.75	3.24	2.74	3.50	2.93	3.62	2.92	3.70	2.90	3.91	3.06	4.06	2.99
	34	2.95	2.71	3.14	2.69	3.41	2.90	3.54	2.89	3.62	2.87	3.84	3.03	4.00	2.97
	35	2.91	2.69	3.10	2.67	3.37	2.89	3.50	2.88	3.58	2.86	3.80	3.02	3.96	2.96
	36	2.86	2.67	3.05	2.65	3.33	2.87	3.46	2.87	3.54	2.84	3.76	3.01	3.92	2.95
	38	2.76	2.62	2.95	2.61	3.24	2.83	3.38	2.84	3.46	2.81	3.69	2.98	3.85	2.93
	39	2.71	2.57	2.90	2.59	3.20	2.81	3.33	2.81	3.42	2.79	3.65	2.97	3.81	2.92

		Heating mo	ode (HC)			(kW)
Air flow	Outdoor air		Indoo	or air tempe	rature	
	temperature	16°CDB	18°CDB	20°CDB	22°CDB	24°CDB
	-15°CWB	2.46	2.41	2.35	2.30	2.25
	-10°CWB	2.79	2.74	2.70	2.63	2.58
	-5°CWB	3.02	2.97	2.91	2.88	2.83
Hi	0°CWB	3.16	3.12	3.06	3.02	2.98
12.3	5°CWB	4.03	3.98	3.96	3.88	3.83
(m ³ /min)	6°CWB	4.09	4.04	4.00	3.95	3.90
	10°CWB	4.35	4.31	4.28	4.22	4.18
	15°CWB	4.73	4.69	4.66	4.61	4.56
	20°CWB	5.09	5.05	5.02	4.96	4.92

Models SRK50ZS-W, -WB, -WT

Model	s SRK	50ZS	5-W	, -W	В, -	WT				Coolin	g mode	•			(kW)
							Indo	or air t	empera	ature					
Air flow	Outdoor	21°C	DB	23°0	CDB	26°C	DB	27°C	CDB	28°0	CDB	31°C	CDB	33°0	CDB
AIF HOW	air temperature	14°C	WB	16°C	WB	18°C	WB	19°C	CWB	20°C	WB	22°C	CWB	24°C	CWB
	temperature	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
	10	5.63	4.25	5.90	4.17	6.11	4.29	6.22	4.23	6.32	4.17	6.51	4.28	6.69	4.14
	12	5.53	4.19	5.80	4.12	6.03	4.25	6.14	4.19	6.25	4.14	6.44	4.25	6.62	4.12
	14	5.43	4.14	5.70	4.07	5.94	4.21	6.05	4.16	6.16	4.10	6.37	4.22	6.55	4.09
	16	5.32	4.08	5.59	4.02	5.85	4.17	5.96	4.12	6.08	4.07	6.29	4.19	6.48	4.07
	18	5.21	4.02	5.48	3.97	5.75	4.13	5.88	4.08	5.99	4.03	6.21	4.16	6.41	4.04
	20	5.10	3.96	5.37	3.92	5.65	4.08	5.78	4.04	5.90	3.99	6.13	4.13	6.33	4.02
	22	4.98	3.90	5.25	3.86	5.55	4.04	5.69	4.00	5.80	3.95	6.05	4.10	6.25	3.99
Hi	24	4.86	3.84	5.14	3.80	5.45	3.99	5.59	3.96	5.71	3.91	5.96	4.07	6.17	3.96
12.1	26	4.74	3.78	5.01	3.74	5.34	3.94	5.49	3.92	5.61	3.87	5.87	4.03	6.08	3.93
(m ³ /min)	28	4.61	3.72	4.89	3.68	5.23	3.89	5.39	3.87	5.50	3.83	5.78	4.00	5.99	3.90
	30	4.49	3.66	4.76	3.62	5.11	3.85	5.28	3.83	5.40	3.79	5.68	3.96	5.90	3.86
	32	4.35	3.59	4.63	3.56	5.00	3.80	5.17	3.78	5.29	3.75	5.58	3.92	5.81	3.83
	34	4.22	3.53	4.49	3.49	4.88	3.74	5.06	3.74	5.18	3.70	5.48	3.88	5.71	3.80
	35	4.15	3.48	4.42	3.46	4.82	3.72	5.00	3.71	5.12	3.68	5.43	3.86	5.66	3.78
	36	4.08	3.45	4.35	3.43	4.76	3.69	4.94	3.69	5.06	3.66	5.37	3.84	5.61	3.76
	38	3.94	3.38	4.21	3.36	4.63	3.64	4.82	3.64	4.94	3.61	5.27	3.81	5.50	3.73
	39	3.87	3.35	4.14	3.33	4.57	3.61	4.76	3.62	4.88	3.59	5.21	3.79	5.45	3.71

		Heating mo	ode (HC)			(kW)
Air flow	Outdoor air		Indoo	or air temper	rature	
	temperature	16°CDB	18°CDB	20°CDB	22°CDB	24°CDB
	-15°CWB	3.57	3.49	3.41	3.34	3.26
	-10°CWB	4.04	3.97	3.91	3.81	3.73
	-5°CWB	4.37	4.31	4.22	4.18	4.11
Hi	0°CWB	4.59	4.52	4.44	4.39	4.32
13.9	5°CWB	5.84	5.77	5.74	5.63	5.55
(m ³ /min)	6°CWB	5.94	5.87	5.80	5.73	5.66
	10°CWB	6.31	6.25	6.21	6.12	6.06
	15°CWB	6.86	6.80	6.76	6.68	6.62
	20°CWB	7.38	7.32	7.28	7.20	7.14

Notes(1) These data show average statuses

Depending on the system control, there may be ranges where the operation is not conducted continuously.

These data show the case where the operation frequency of a compressor is fixed

(2) Capacities are based on the following conditions. Corresponding refrigerant piping length :5m Level difference of Zero.

(3) Symbols are as follows.

TC : Total cooling capacity (kW) SHC : Sensible heat capacity (kW)

HC : Heating capacity (kW)

RLF012A105

Model SRK20,25,35,50ZS R32/R410A REFRIGERANT USED

8. APPLICATION DATA

(1) Installation of indoor unit

 This installation manual deals with an indoor unit installation only. For an outdoor unit installation, refer to page 56. This unit is designed for R32 or R410A. See a label on the outdoor unit to check refrigerant information.

SAFETY PRECAUTIONS

Before installation, read the "SAFETY PRECAUTIONS" carefully and strictly follow it during the installation. If unusual tion work in order to protect yourself.

· Be sure to explain the operating methods as well as the maintenance methods of this equipment to the user according to the user's manual. • The precautionary items mentioned below are distinguished into two levels, <u>A WARNING</u> and <u>A CAUTION</u>.

<u> Δ WARNING</u> Indicates a potentially hazardous situation which, if not avoided, can result in serious consequences such as death or severe injury. <u>Equation Notice 15 and 15 </u>

 Be sure to keep the installation manual together with user's manual at a place where it is easily accessl-ble to the user any time. Moreover, ask the user to hand the manuals to a new user, whenever required. trictly follow

	WARNING
Be sure to use only for residential purpose. If this unit is installed in inferior environment such as machine shop, vehicle (like ship), warehouse,	 During pump down work, be sure to stop the compressor before closing service valves and removing connecting pipes.
etc., it can malfunction. Installation must be carried out by the qualified installer completely in accor-	
learnee with the mean auout menuer. Installation by non qualified person or incred; installation can cause serious troubles such as water i leak, electric shock fire and personal nincry.	ing in burs of personal injury. In the event of refrigerant leakage during installation, be sure to ventilate the working area property.
	If the refrigerant comes into contact with naked flames, poisonous gases will be produced. • Electrical work must be carried out by the qualified electrician, strictly in ac-
 Use the original accessories and the specified components for the installation. Using parts other than those prescribed may cause water leak, electric shock, fire and personal injury. Do not install the unit meet the location where leak are of flammable cases can occur. 	cordance with national or regional electricity regulations. Incorrect installation can cause electric shock, fire or personal injury. • Make sure that earth leakage breaker and circuit breaker of appropriate ca-
If leaked gases accumulate around the unit, it can cause fire resulting in property damage and personal injury. • When installing the unit in small rooms, make sure that refrigerant density	
	breakers can cause electric shock, personal injury or property damage. • Be sure to switch off the power source in the event of installation, mainte-
Otherwise lack of oxygen can occur resulting in serious accident. • Install the unit in a location where unit will remain stable, horizontal and free	
or any vibration transmission. Unsuitable installation location can cause the unit to fall resulting in material damage and personal injury.	 Be sure to tighten the cables securely in terminal block and relieve the ca- bles properly to prevent overloading the terminal blocks.
moved panels or protections. surfaces or high voltage parts can cause personal injury due to	٠
 This unit is designed specifically for R32 or R410A. 	other power plugs. Improper power cable or power plug can cause fire or electric shock due to poor connection, insuf-
 Using any other remgerant can cause unit rature and personal injury. Do not vent R32 or R410A into atmosphere. 	 Ticlent insulation or over-current. Do not perform any change in protective device or its setup condition yourself.
R32 is a futorinated greemouse gas with a Global Warming Potential (GWP)=075. R410.6 is a fluorinated greembouse gas with a Global Warming Potential (GWP)=2088.	Changing protective device specifications can cause electric shock, fire or burst. • Be sure to clamp the cables properly so that they do not touch any internal
ware sure that no all enters the religerant circuit when the unit is instance and removed the refricterant circuit the measure in the refricterant circuit will have no hich which	f component of the unit. If captures touch any internal component, it can cause overheating and fire.
Using existing parts (for K22 or K40/C) can cause reingerant circuit burst resulting in unit failure and personal injury.	Using improper cables can cause electric leak or fire. This appliance must be connected to main power source by means of a cir- cutt breaker or switch with a contact separation of at least 3mm.
ice valves before completing piping	•
1 when connecting pipes are not connected and service valves are the refrigerant circuit which can cause anomalous high pressure result-	•
ing in burst or personal injury. • Be sure to tighten the flare nuts to specified torque using the torque wrench. Tightening flare nuts with excess torque can cause burst and refrigerant leakage after a long period.	Improper connection can cause intrusion of dust or water resulting in electric shock or fire.

	ITION		
 Take care when carrying the unit by hand. If the unit weight is more than 20kg, it must be carried by two or more persons. Do not carry the unit by the plastic straps. Alwarys use the carry handle. Do not install the outdoor unit in a location where insects and small animals can inhabit. Do not install the outdoor unit in a location where insects and small animals can inhabit. Insects and small animals can enter the electrical parts and cause damage resulting in fire or personal injury. Instruct the user to keep the surroundings clean. If the outdoor unit is installed at height, make sure that there is enough space for installation, maintenance and service. Insufficient space can result in personal injury due to failing from the height. Do not install the unit near the location where neighbours are bothered by insise a affect surrounding environment and cause a claim. Do not install in the locations where unit is directly exposed to corrosive gases (like sulphide gas, chloride gas), sea breeze or sality atmosphere. Do not install in the locations where unit is directly exposed to corrosive gases (like sulphide gas, chloride gas), sea breeze or sality atmosphere. Do not install with unit cose to the equipments that generate electromagnetic munication equipment such as inverters; standy generators. The system can affect medical equipment and cause malfunctions and breakdowns. 	 Do not install the unit in the locations where: There are heat sources nearby. There is any obstacle which can prevent smooth air circulation from inlet and outlet side of the unit. There is any obstacle which can prevent smooth air circulation from inlet and outlet side of the unit. There is any obstacle which can prevent smooth air circulation from inlet and outlet side of the unit. There is any obstacle which can prevent smooth air circulation from inlet and outlet side of the unit. There is any obstacle which can prevent smooth air circulation choride (snow melting agent) and acid (sufturous cale dec), which can harm the unit, will generate or accumulate. Train water can not be discharged properly. Tv set or radio receiver is more than 1000m. Height above sea level is more than 1000m. Height above sea level is more than 1000m. Dispose of all packing materials properly. Packing materials contain mails and wood which can cause personal injury. Keep the polybag away from children to avoid the risk of suffocation. Do not put anything on the outdoor unit. Object may fall causing property damage or personal injury. Do not put anything on the outdoor unit. Do not put anything o	cations where: cations where: the smooth air circulation fro steam such as kitchen. organic fertilizer), calcium (arm the unit, will generate of perty. n 1m. D00m. 000	m inlet and outlet side of the unit. chloride (snow melting agent) and r accumulate. nponents, unit malfunction and fire. al injury.
1. ACCESSORIES AND TOOLS			
Standard accessories (supplied with indoor unit)	Locally procured parts	Tools for	Tools for installation Work
(1) Installation board (6) Batteries (803 (AAA Micro) 1 50 20cs	(a) Sleeve (1pc) (h) Sealing plate (1pc)	Plus headed driver	Hole core drill (65mm in diameter)
	(c) Inclination plate (1pc)	Knife	Wrench key (Hexagon) [4mm]
(2) Remote control	(d) Putty	Saw Tono moonino	Flaring tool set*
(3) Remote control holder	(e) Connecting cable (f) Drain hose (extension hose) Diving cover	Torque wrench (14.0-62.0N·m (1.4-6.2kgf·m)) Pipe bender	Dipe bender
(4) Tapping screws (6) (for installation board #4 X 25mm)	(g) (for insulation of connection piping) (for insulation of connection piping)	Plier	Gauge for projection adjustment (Used when flare is made by using
(5) Wood screws (6) flor remote control holder ø3.5 X 16mm) 2pcs	(ii) Electrical tape	Pipe cutter * Design	conventional trace tool) * Designed specifically for R32 or R410A











1. Preparation of connecting pipe

1.1. Selecting connecting pipe Š

tak	
select connecting pipe according to the following tak	
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ole.

Model SRK50	ø12.7	ø6.35
Model SRK20/25/35	ø9.52	ø6.35
	Gas pipe	Liquid pipe

Pipe wall thickness must be greater than or equal to 0.8 mm. Pipe material must be O-type (Phosphorus deoxidized seamless copper pipe ICS 23.040.15, ICS 77.150.3013

1.2. Cutting connecting pipe

- Cut the connecting pipe to the required length with pipe cutter.
 Hold the pipe downward and remove the burrs. Make sure that no foreign material enters the pipe.
 Cover the connecting pipe ends with the tape.

Q

NOTE

2. Piping work

- Flaring pipe

 Take out flare nuts from the operation values of indoor unit and engage them onto connecting pipes.
 Take the pipes according to table and figure shown below.
 Flare the pipes according to table and figure shown below.
 Flare dimensions for R23, are different from those for conventional refrigerant.
 Although it is recommended to use the flaring tools designed specifically for R32 or R410A, conventional flaring tools can also be used by adjusting the dimension B with a flare adjustment

~							
-	Copper pipe	4	8	Copper pipe	B [Rigid (clutch) type]	utch) type]	
Ĵ	outer diameter	C		outer diameter	R32 or R410A Conventional	Conventional	
	ø6.35	9.1		ø6.35			Т
	ø9.52	13.2		ø9.52	0-0.5	1.0-1.5	<u> </u>
	ø12.7	16.6)	ø12.7			
2.2 Conn	2.2 Connecting pipes						3
(1) Conne (2) Tighte	 Connect pipes on both liquid and gas sides. Tighten nuts to specified torque shown in the 	th liquid al	 Connect pipes on both liquid and gas sides. Tighten nuts to specified torque shown in the table below. 				
Operati	Operation valve size (mm)		Tightening torque (N·m)	Liqui Gas	Liquid side		

Cas side	UP.	(Do not turn)	/	1	
Tightening torque (N·m)	14-18	34-42	49-61		
Operation valve size (mm)	ø6.35 (1/4")	ø9.52 (3/8")	ø12.7 (1/2")		

CAUTION Do not apply refrigerating machine oil to the flared surface. It can cause refrigerant leakage.
 Do not apply excess torque to the flared nuts. The flared nuts may crack resulting in refrigerant leakage.

- Heating and condensation prevention
 Dress the connecting pipes (both liquid and gas pipes) with insulation to prevent it from heating and dew condensation.
 - Use the heat insulating material which can withstand 120°C or higher temperature. Make sure that insulation is wrapped tightly around the pipes and no gap is left between them.
- Wrap the refineerant pipings of indoor unit with indoor unit heat insulation using tape.
 Cover the flare-connected joints (indoor side) with the indoor unit heat insulation and wrap it with an insulation pad (standard accessory provided with indoor unit).
 - (4) Wrap the connecting pipes, connecting cable and drain hose with the tape. 6



Tape

nsulation Position it so that the slit area faces upward. Locations where relative humidity exceeds 70%, both liquid and gas pipes need to be dressed with 20mm or thicker heat insulation materials.

Condensate can leak or drip causing damage to household property. • Poor heat insulating capacity can cause pipe outer surface to reach high temperature during heating operation. It can cause cable deterioration and personal injury. Improper insulation can cause condensate(water) formation during cooling operation.

4. Finishing work

- (1) Make sure that the exterior portion of connecting pipes, connecting cable and drain hose is wrapped properly with tape. Shape the connecting pipes to match with the contours of the pipe assembly route.
- <u>.</u>0 (2) Fix the pipe assembly with the wall using clamps and screws. Pipe assembly should be anchored every 1.5m or less to isolate the vibration. (3) Install the service cover securely. Water may enter the unit if service cover not installed properly, resulting in unit malfunction and failure.

Pipe assembly

0

õ

(h)Clamp

▲ WARNING (only for R32)

Flared joint outside Seal hole with putty Wall hole cover G Wall Indoor unit must/shall be installed outdoors. Reusable mechanical connectors and flared joints are not To avoid the risk of fire or explosion, the flared connection allowed indoors.

Make sure that the connecting pipes do not touch the components within the unit. If pipes touch the internal components, it may generate abnormal sounds and/or vibrations.





(2) Installation of outdoor unit

nal inju

RWC012A068

Model SRC20,25,35,50ZS-W **R32 REFRIGERANT USED**

• This installation manual deals with an outdoor unit installation only. For an indoor unit installation, refer to page 48.

SAFETY PRECAUTIONS

Before installation, read the "SAFETY PRECAUTIONS" carefully and strictly follow it during the installa Be sure to confirm no operation problem on the equipment after completing the installation. If unusual

Before installation, read the "SAFE IY PRECAUTIONS" carefully and strictly tollow it during the installation. If unusual noise can be heard during the test run, consult the dealer.
 The precautionary items mentioned below are distinguished into two levels, WARNING and CAUTION.
 Be sure to explain the operating methods as well as the maintenance methods of this equipment to the user according to the user's manual.
 Be sure to explain the operating methods as well as the maintenance methods of this equipment to the user according to the user's manual.
 Be sure to explain the operating methods as well as the maintenance methods of this equipment to the user according to the user's manual.
 Be sure to keep the installation manual together with user's manual at a place where it is easily accessible to the user any time. Moreover, ask the user to hand the manuals to a new user, whenever required.

sequences such as death or severe injury.

 A CAUTION
 Indicates a potentially hazardous situation which, if not avoided, can result in personal in jury or property damage.

Both mention the important items to protect your health and safety. Therefore, strictly follow them by any means.

- During pump down work, be sure to stop the compressor before closing service valves and removing connecting pipes.
 If the connecting pipes are removed when the compressor is in operation and service valves are open, air can be sucked into the refrigerant circuit which can cause anomalous high pressure result- Be sure to use only for residential purpose.
 If this unit is installed in inferior environment such as machine shop, vehicle (like ship), warehouse, etc., it can malfunction. Installation must be carried out by the qualified installer completely in accor- Installation must be carried out by the qualified installer completely in accordance with the installation manual. Installation by non qualified person or incorrect installation can cause serious troubles such as water leak, electric shock, fire and personal injury.
 Be sure to wear protective goggles and gloves while performing installation work. Improper safety measures can result in personal injury.
 Use the original accessories and the specified components for the installation. Using parts other than those prescribed may cause water leak, electric shock, fire and personal injury.
 Do not install the unit near the location where leakage of flammable gases can occur. If leaked gases accumulate around the unit, it can cause fire resulting in property damage and personal injury. In the event of refrigerant leakage during installation, be sure to ventilate the working area properly. If the refrigerant comes into contact with naked flames, poisonous gases will be produced The lengeral contest into Contact with frace names, possible gases will be produced. Electrical work must be carried out by the qualified electrician, strictly in ac-cordance with national or regional electricity regulations. Incorrect installation can cause electric shock, fire or personal injury. Make sure that earth leakage breaker and circuit breaker of appropriate ca-Circuit breaker should be able to disconnect all poles under over current. Absence of appropriate breakers can cause electric shock, personal injury or property damage. Be sure to switch off the power source in the event of installation, maintesonal injury. When installing the unit in small rooms, make sure that refrigerant density does not exceed the limit (Reference: ISO5149) in the event of leakage. If refrigerant density exceeds the limit, consult the dealer and install the ventilation system. Otherwise lack of oxygen can occur resulting in serious accident. Install the unit in a location where unit will remain stable, horizontal and free of any vibration transmission. Unsuitable installation location can cause the unit to fall resulting in material damage and personal injury. De not run the unit with removed panels or protections. Be sure to switch of the power source in the event of instantation, mainte-nance or service. If the power source is not switched off, there is a risk of electric shock, unit failure or personal injury. Be sure to tighten the cables securely in terminal block and relieve the ca-bles properly to prevent overloading the terminal blocks. Loose connections or cable mountings can cause anomalous heat production or fire. Do not process, splice or modify the power cable, or share the socket with other power plung. Do not run the unit with removed panels or protections. Touching rotating equipments, hot surfaces or high voltage parts can cause personal injury due to entrapment, burn or electric shock. other power plugs. Improper power cable or power plug can cause fire or electric shock due to poor connection, insuf-ficient insulation or over-current. entrapment, burn or electric shock. This unit is designed specifically for R32. Using any other refrigerant can cause unit failure and personal injury. Do not vent R32 into atmosphere. R32 is a fluorinated greenhouse gas with a Global Warming Potential(GWP)=675. Make sure that no air enters the refrigerant circuit when the unit is installed ficient insulation or over-current. Do not perform any change in protective device or its setup condition yourself. Changing protective device specifications can cause electric shock, fire or burst. Be sure to clamp the cables properly so that they do not touch any internal component of the unit. If cables touch any internal component, it can cause overheating and fire. Be sure to install service cover properly. Improper installation can cause electric shock or fire due to intrusion of dust or water. and removed. If air enters the refrigerant circuit, the pressure in the refrigerant circuit will become too high, which The an enters the reingerant circuit, the pressure in the reingerant circuit will become too high, which can cause burst and personal injury. Be sure to use the prescribed pipes, flare nuts and tools for R32 or R410A. Using existing parts (for R22 or R407C) can cause refrigerant circuit burst resulting in unit failure and personal injury. Be sure to connect both liquid and gas connecting pipes properly before op-Improper instantation can cause electric shock or fire due to initiation or dust of water. Be sure to use the prescribed power and connecting cables for electrical work. Using improper cables can cause electric leak or fire. This appliance must be connected to main power source by means of a cir-cuit breaker or switch with a contact separation of at least 3mm. Improper electrical work can cause unit failure or personal injury. When plugging this unit, a plug conforming to the standard IEC60884-1 must be used Be still to compressor. Do not open the liquid and gas service valves before completing piping • work, and evacuation. If the compressor is operated when connecting pipes are not connected and service valves are open, air can be sucked into the refrigerant circuit which can cause anomalous high pressure result. used. Using improper plug can cause electric shock or fire. Be sure to connect the power source cable with power source properly. Improper connection can cause intrusion of dust or water resulting in electric shock or fire. bein, an earlie beneformed may be injury. Be sure to tighten the flare nuts to specified torque using the torque wrench. Tightening flare nuts with excess torque can cause burst and refrigerant leakage after a long period.

Take care when carrying the unit by hand. If the unit weight is more than 20kg, it must be carried by two or more persons. Do not carry the unit by the plastic straps. Always use the carry handle. Do not install the outdoor unit in a location where insects and small animals care inhelits.

can inhabit.

- Insects and small animals can enter the electrical parts and cause damage resulting in fire or per-Insects and shard administration of the electrical parts and cause damage resulting in the or per-sonal injury. Instruct the user to keep the surroundings clean. If the outdoor unit is installed at height, make sure that there is enough space for installation, maintenance and service. Insufficient space can result in personal injury due to falling from the height. Do not install the unit near the location where neighbours are bothered by noise or air generating from the unit.

- noise or air generating from the unit. It can affect surrounding environment and cause a claim. Do not install in the locations where unit is directly exposed to corrosive gases (like sulphide gas, chloride gas), sea breeze or salty atmosphere. It can cause corrosion of heat exchanger and damage to plastic parts. Do not install the unit close to the equipments that generate electromagnetic waves and/or high-harmonic waves. Equipments up has used as inverses standity negative medical high fragments and before the formation of the end to be the equipments that generate electromagnetic waves.

Equipment such as inverters, standby generators, medical high frequency equipments and telecom-munication equipments can affect the system, and cause malfunctions and breakdowns. The system can also affect medical equipment and telecommunication equipment, and obstruct its

function or cause jamming

Do not install the unit in the locations where:

- There are heat sources nearby. Unit is directly exposed to rain or sunlight. There is any obstacle which can prevent smooth air circulation from inlet and outlet side of the unit. Unit is directly exposed to oil mist and steam such as kitchen.
- unit is directly exposed to oil mist and steam such as kitchen.
 Chemical substances like ammonia (organic fertilizer), calcium chloride (snow melting agent) and acid (suffurous acid etc.), which can harm the unit, will generate or accumulate.
 Drain water can not be discharged properly.
 TV set or radio receiver is placed within 1m.
 Heidet above sea level is more these 1000-m

- Height above sea level is more than 1000m.
 It can cause performance degradation, corrosion and damage of components, unit malfunction and fire.
 Dispose of all packing materials properly.
 Packing materials contain nails and wood which can cause personal injury.

Keep the polybag away from children to avoid the risk of suffocation.

- Reep the polybag away from children to avoid the risk of sufficient of the control of the contro

1. ACCESSORIES AND TOOLS

Standard accessories (Supplied with outdoor unit)	Q'ty		Locally procured parts	Tools for installation work		
(1) Drain grommet	1	(a)	Anchor bolt(M10-M12)×4 pcs	Plus headed driver	Spanner wrench	Vacuum pump*
	<u> </u>	(b)	Putty	Knife Torque wrench [14.0-62.0N•m(1.4-6.2kgf•m)] Gauge manifold *		Gauge manifold *
(2) Drain elbow	1	(c)	Electrical tape	Saw Wrench key (Hexagon) [4mm] Charge hose *		Charge hose *
L		(d)	Connecting pipe	Vacuum numn adapter*		Vacuum pump adapter*
		(e)	Connecting cable	Tape measure Flaring tool set * (Anti-reverse flow type)		(Anti-reverse flow type)
		(f)	Power cable	Pipe cutter	Flare adjustment gauge	Gas leak detector *
		(g)	Clamp and screw (for finishing work)		*Design	ed specifically for R32 or R410A

2. OUTDOOR UNIT INSTALLATION

Note as a unit designed for R32

- Do not use any refrigerant other than R32. R32 will rise to pressure about 1.6 times higher than that of a conventional refrigerant. A cylinder containing R32 has a light blue indication mark on the top.
 Do not use a charge cylinder. The use of a charge cylinder will cause the refrigerant composition to change, which results in performance degradation.
- In charging refrigerant, always take it out from a cylinder in the liquid phase All indoor units must be models designed exclusively for R32. Check connectable indoor unit models in
- a catalog, etc. (A wrong indoor unit, if connected into the system, will impair proper system operation)

1. Haulage

heavier

Always carry or move the unit with two or more persons.
The right hand side of the unit as viewed from the front (outlet side) is A person carrying the right hand side must take care of this fact. A per-son carrying the left hand side must hold the handle provided on the front panel of the unit with his right hand and the corner column section of the unit with his left hand.

When a unit is hauled, take care of its gravity center position which is shifted towards right hand side If the unit is not hauled properly, it can go off balance and fall resulting in serious injury.

2. Selecting the installation location

- Select the su ole installation location where
- Unit will be stable, horizontal and free of any vibration transmission.
 There is no obstacle which can prevent smooth air circulation from inlet and outlet side of the unit.
 There is enough space for service and maintenance of unit.
- Neighbours are not bothered by noise or air generating from the unit. Outlet air of the unit does not blow directly to animals or plants. Drain water can be discharged properly. There is no risk of flammable gas leakage.

- There are no other heat sources nearby,

- Unit is not directly exposed to rain or sunlight.
 Unit is not directly exposed to oil mist and steam.
 Chemical substances like ammonia (organic fertilizer), calcium chloride (snow melting agent) and acid (sulfurous acid etc.), which can harm the unit, will not generate or accumulate
- · Unit is not directly exposed to corrosive gases (like sulphide gas, chloride gas), sea breeze or salty atmosphere. No TV set or radio receiver is placed within 1m.
- Unit is not affected by electromagnetic waves and/or high-harmonic waves generated by other equipments.
 Strong wind does not blow against the unit outlet.
 Heavy snowfalls do not occur (If installed, provide proper protection to avoid snow accumulation).

NOTE

If the unit is installed in the area where there is a possibility of strong wind or snow accumulation, the following measures are required.

(1) Location of strong wind

· Place the unit with its outlet side facing the wall.



· Place the unit such that the direction of air from the outlet gets perpendicular to the wind direction



Over 500mm

(2) Location of snow accumulation

- · Install the unit on the base so that the bottom is
- higher than snow cover surface. Install the unit under eaves or provide the roof on site



3. Installation space

There must be 1 meter or larger space between the unit and the wall in at least 1 of the 4 sides. Walls surrounding the unit from 4 sides is not acceptable. The wall height on the outlet side should be 1200 mm or less. Refer to the following figure and table for details.



NOTE

Д

When more than one unit are installed side by side, provide a 250mm or wider interval between them as a service space.

△ CAUTION

When more than one unit are installed in parallel directions, provide sufficient inlet space so that short-circuiting may not occur.

4. Drain piping work (If necessary)

Carry out drain piping work by using a drain elbow and a drain grommet supplied separately as acces-sories if condensed water needs to be drained out. (1) Install drain elbow and drain grommet. (2) Seal around the drain elbow and drain grommet with putty or adequate caulking material.



A CAUTION

Do not use drain elbow and drain grommet if there is a possibility to have several consecutive days of sub zero temperature. (There is a risk of drain water freezing inside and blocking the drain.)

5. Installation

Install the unit on a flat level base. While installing the unit, keep space and fix the unit's legs with 4 anchor bolts as shown in the figure below. The protrusion of an anchor bolt from the foundation surface must be kept within 15mm



▲ CAUTION

· Install the unit properly so that it does not fall over during earthquake, strong wind, etc · Make sure that unit is installed on a flat level base. Installing unit on uneven base may result in unit malfunction

3. PREPARATION FOR WORK



4. CONNECTING PIPING WORK

1. Restrictions on unit installation

Abide by the following res Improper installation can of			nan	ce degradation.	
	Dimensional r	estrictions			
	Model SRC20/25/35	Model SRC50			
Connecting pipe length(L)	20m or less	25m or less	н		

Elevation difference between 15m or less 10m or less indoor and outdoor units(H)*

^t Outdoor unit installation position can be higher as well as lower than the indoor unit installation position.

2. Preparation of connecting pipe

2.1. Selecting connecting pipe	ecting pipe be according to the follo	owing table.
	Model SRC20/25/35	Model SRC50
Gas pipe	ø9.52	ø12.7

Liquid pipe ø6.35 ø6.35

Pipe wall thickness must be greater than or equal to 0.8 mm. Pipe material must be C-type (Phosphorus deoxidized seamless copper pipe ICS 23.040.15, ICS 77.150.30).

NOTE

If it is required to reuse the existing connecting pipe system, refer to 5. UTILIZATION OF EXISTING PIPE.

2.2. Cutting connecting pipe

(1) Cut the connecting pipe to the required length with pipe cutter.
 (2) Hold the pipe downward and remove the burrs. Make sure that no foreign material enters the pipe.
 (3) Cover the connecting pipe ends with the tape.

3. Piping work

Check that both liquid and gas service valves are fully closed.

Carry out the piping work with service valves fully closed



3.1. Flaring pipe

Flaring pipe
 Takang pipe
 Taka out flare nuts from the service valves of outdoor unit and engage them onto connecting pipes.
 Flare the pipes according to table and figure shown below. Flare dimensions for R32 are different from those for conventional refrigerant. Although it is recommended to use the flaring tools designed specifically for R32 or R410A, conventional flaring tools can also be used by adjusting the dimension B with a flare adjustment gauge.

- A -	Copper pipe		[Copper pipe	B [Rigid (cl	utch) type]
	outer diameter	A		outer diameter	R32 or R410A	Conventional
	ø6.35	9.1		ø6.35		
	ø9.52	13.2		ø9.52	0-0.5	1.0-1.5
	ø12.7	16.6		ø12.7		

3.2. Connecting pipes
(1) Connect pipes on both liquid and gas sides.
(2) Tables with to excelled forgue shown in the table b

.) righten huts to specified torque shown in the table below				
Service valve size (mm)	Tightening torque (N·m)			
ø6.35 (1/4")	14-18			
ø9.52 (3/8")	34-42			
ø12.7 (1/2")	49-61			



≜ CAUTION

Do not apply refrigerating machine oil to the flared surface. It can cause refrigerant leakage . Do not apply excess torque to the flared nuts. The flared nuts may crack resulting in refrigerant leakage.

5. UTILIZATION OF EXISTING PIPE

Are the outdoor and indoor units connected to the existing pipe system ?	NO
YES	
Is it possible to run the unit ?	NO
YES	
Does the existing unit use any of the following refrigerant oils ? Suniso, MS,Barell Freeze, HAB, Freol, ether oil, ester oil.	NO
YES	
Do the existing pipe specifications (pipe length, pipe size and elevation difference between indoor and outdoor unit) tion of the unit.? (Go to 4. CONNECTING PIPING WORK and check 1.Restrictions on unit installation and 2.Preparatic	conform to the restric- in of connecting pipe.)
YES	Repair is impossible.
Is the existing pipe system free of corrosion, flaws and dents? NO Repair the damaged p	iarts.
YES 🖣	Repair Air tightness is
Is the existing pipe system free of gas leaks? (Check whether refrigerant charge was required frequently for the system before.) Check the pipe system	impossible
YES	Air tightness is OK.
Are heat insulation materials of the existing pipe system free of peel-off or deterioration? (Heat insulation is necessary for both gas and liquid pipes.)	Repair is impossible.
	Repair
Is the existing piping system free of any loose pipe support ? NO Repair the loose pipe	support.
YES	Repair
The existing pipe system is reusable. The existing pipe system is not Install the new pipe system.	reusable.

4. Evacuation

- (1) Connect vacuum pump to gauge manifold. Connect charge hose of gauge manifold to service port of outdoor unit.
- (2) Run the vacuum pump for at least one hour after the vacuum gauge shows -0.1MPa (-76cm Hg). (2) Run the vacuum pump for at least one hour after the vacuum gauge shows -0.1MPa (-75cm Hg).
 (3) Confirm that the vacuum gauge indicator does not rise even if the system is left for 15 minutes or more.
 Vacuum gauge indicator will rise if the system has moisture left inside or has a leakage point.
 Check the system for the leakage point. If leakage point is found, repair it and return to (1) again.
 (4) Close the Handle Lo and stop the vacuum pump.
 Keep this state for a few minutes to make sure that the compound pressure gauge pointer does not evide body.
- wing back (5) Remove valve caps from liquid service valve and gas operation valve. (6) Turn the liquid service valve's rod 90 degree counterclockwise with a hexagonal wrench key to

open valv

- open valve. Close it after 5 seconds, and check for gas leakage. Using scapy water, check for gas leakage from indoor unit's flare and outdoor unit's flare and valve rods. Wipe off all the water after completing the check. (7) Disconnect charging hose from gas service valve's service port and fully open liquid and gas service valves. (Do not attempt to turn valve rod beyond its stop.) (8) Tohten carries using core and service port can be the specified formule shown in the table below. (8

) Tighten service valve caps and s	service port cap to the specified tor	que shown in the table below.
Service valve size (mm)	Service valve cap tightening torque (N·m)	Service port cap tightening torque (N·m)
ø6.35 (1/4")	20-30	
ø9.52 (3/8")	20-30	10-12
ø12.7 (1/2")	25-35	



A CAUTION

To prevent vacuum pump oil from entering into the refrigerant system, use a counterflow prevention adapter.

5. Additional refrigerant charge

Additional refrigerant charge is required only when connecting pipe length exceeds 15 m.

 $\begin{array}{l} \textbf{5.1 Calculating additional refrigerant charge} \\ \textbf{Additional refrigerant charge can be calculated using the formula given below.} \\ \textbf{Additional refrigerant charge (g) = { Connecting pipe length (m) - Factory charged length 15 (m) } x 20 (g/m) \\ \end{array}$

NOTE

If additional refrigerant charge calculation result is negative, there is no need to remove the refrigerant.
 If refrigerant recharge is required for the unit with connecting pipe length 15m or shorter, charge the factory charged amount as shown in the table below.

	Model SRC20/25	Model SRC35	Model SRC50
The factory refrigerant charge amount(kg)	0.62	0.78	1.05
The maximum refrigerant charge amount(kg)	0.72	0.88	1.25

5.2 Charging refrigerant

5.2 Charging refrigerant (1) Charge the R32 refrigerant in liquid phase from service port with both liquid and gas service valves shut. Since R32 refrigerant must be charged in the liquid phase, make sure that refrigerant is discharged from the cylinder in the liquid phase all the time.
(2) When it is difficult to charge a required refrigerant amount, fully open both liquid and gas service valves and charge refrigerant, while running the unit in the cooling mode. When refrigerant is charged with the unit being run, complete the charge operation within 30 minutes.
(3) Write the additional refrigerant charge calculated from the connecting pipe length on the label at-tached on the service over.

tached on the service cover.

A CAUTION

Running the unit with an insufficient quantity of refrigerant for a long time can cause unit malfunction. • Do not charge more than the maximum refrigerant amount. It can cause unit malfunction.

NOTE

Consult with our distributor in the area, if you need to recover refrigerant and charge it again.

Constitution our ostitutution in the area, in you need to recover reinger an and charge it again.
 (2) Clean the existing pipe system according to the procedure given below.
 (a) Carry out forced cooling operation of existing unit for 30 minutes. For Forced cooling operation is refer to the indoor unit installation manual.
 (b) Stop the indoor fan and carry out forced cooling operation for 3 minutes (Liquid return).
 (c) Close the liquid service valve of the outdoor unit and clarge up down operation (Refer to 6. PUMP DOWN).
 (d) Blow with nitrogen gas. If discolored refrigeration oil or any foreign matter is discharged by the blow wash the pine system or install a new pine existem

(3) Remove the flare nuts from the existing pipe system.
 (3) Remove the flare nuts from the existing pipe system. Go back to 4.CONNECTING PIPING WORK and proceed to step 2.2 Cutting connecting pipe.

Do not use the old flare nuts (of existing unit). Make sure that the flare nuts supplied with the (new) outdoor unit are used.
 If the flared / compression connection to the indoor unit is located inside the house / room then this pipework can't be reused.

If the existing piping is specified as liquid pipe ø9.52 or gas pipe ø12.7, refer to the following. (SRC50 only)

<Table of pipe size restrictio

Additional cha	rge volume per meter of pipe	0.054kg/m
Liquid pipe		ø9.52
Pipe size	Gas pipe	ø12.7
Maximum one	-way pipe length	10
Length covere	d without additional charge	5

Additional charge amount (kg) = {Main pipe length (m) - Length covered without additional charge shown in the table (m)} X Additional charge amount per meter of pipe shown in the table (kg/m)



Screw of the service cover is tightened properly.

Both liquid and gas service valves are fully open

(3) Safety precautions in handling air-conditioners with flammable refrigerants

		TYPE AIR-CONDITIONER 2 REFRIGERANT USED	3
This equipment uses flammable refrigerants. If the refrigerant is leaked, together with an external ignition source, there is a possibility of ignition.		There is information included in the user's manual and/or installation manual.	
The user's manual should be read carefully.	Ð	A service personnel should be handing this equipment with reference to the installation manual.	$\Big]$

• The precautionary items mentioned below are distinguished into two levels, 🖄 WARNING and 🕅 CAUTION.

MARNING : Wrong installation would cause serious consequences such as injuries or death.

A CAUTION : Wrong installation might cause serious consequences depending on circumstances.

Strict compliance of the domestic laws must be

- observed when disposing the appliance. Do not use means to accelerate the defrost operation
- Do not use means to accelerate the defrost operation process or to clean, other than those recommended
- by the manufacturer.

The appliance shall be stored in a room without continuously operating ignition sources (for example: open flames, an operating gas appliance or an operating electric heater.

A CAUTION

Be aware that refrigerants may not contain an odour.
 The indoor unit shall be stored in a room that has a minimum area of 4.0 m².

Do not pierce or burn.

- 1. General
- That the installation of pipe-work shall be kept to a minimum.
- That pipe-work shall be protected from physical damage.
- That compliance with national gas regulations shall be observed.
- That mechanical connections shall be accessible for maintenance purposes.
- Keep any required ventilation openings clear of obstruction.
- Servicing shall be performed only as recommended by the manufacturer.

2. Unventilated areas

 The appliance shall be stored in a well-ventilated area where the room size corresponds to the room area as specified for operation.

(3. Qualification of workers

The staff in servicing operations must hold the national qualification or other relevant qualifications.

4. Information on servicing

- 4.1 Checks to the area
- Prior to beginning work on systems containing flammable refrigerants, safety checks are necessary to ensure that the risk of ignition is minimised.
- For repair to the refrigerating system, 4.3 to 4.7 shall be completed prior to conducting work on the system.
- 4.2 Work procedure
- Work shall be undertaken under a controlled procedure so as to minimise the risk of a flammable gas or vapour being present while the work is being performed.
- 4.3 General work area
- All maintenance staff and others working in the local area shall be instructed on the nature of work being carried out.
- · Work in confined spaces shall be avoided.
- The area around the workspace shall be sectioned off.
 Ensure that the conditions within the area have been made safe by control of flammable material.
- 4.4 Checking for presence of refrigerant
- The area shall be checked with an appropriate refrigerant detector prior to and during work, to ensure the technician is aware of potentially toxic or flammable atmospheres.
- Ensure that the leak detection equipment being used is suitable for use with all applicable refrigerants, i.e.
- non-sparking, adequately sealed or intrinsically safe.

- 4.5 Presence of fire extinguisherIf any hot work is to be conducted on the
- refrigeration equipment or any associated parts, appropriate fire extinguishing equipment shall be available to hand. Have a dry powder or CO₂ fire extinguisher adjacent to the charging area. 4.6 No ignition sources • No person carrying out work in relation to a
- No person carrying out work in relation to a refrigeration system which involves exposing any pipe work shall use any sources of ignition in such a manner that it may lead to the risk of fire or explosion.
- All possible ignition sources, including cigarette smoking, should be kept sufficiently far away from the site of installation, repairing, removing and disposal, during which refrigerant can possibly be released to the surrounding space.
- Prior to work taking place, the area around the equipment is to be surveyed to make sure that
- there are no flammable hazards or ignition risks. "No Smoking" signs shall be displayed.
- 4.7 Ventilated area
- Ensure that the area is in the open or that it is adequately ventilated before breaking into the system or conducting any hot work.
- A degree of ventilation shall continue during the period that the work is carried out.
- The ventilation should safely disperse any released refrigerant and preferably expel it externally into the atmosphere.
- 4.8 Checks to the refrigeration equipment
- Where electrical components are being changed, they shall be fit for the purpose and to the correct specification.
- At all times the manufacturer's maintenance and service guidelines shall be followed.
- If in doubt consult the manufacturer's technical department for assistance.
- The following checks shall be applied to installations using flammable refrigerants:
- the charge size is in accordance with the room size within which the refrigerant containing parts are installed;
- the ventilation machinery and outlets are operating adequately and are not obstructed;
- if an indirect refrigerating circuit is being used, the secondary circuit shall be checked for the presence of refrigerant;
- marking to the equipment continues to be visible and legible. Markings and signs that are illegible shall be corrected;
- refrigeration pipe or components are installed in a position where they are unlikely to be exposed to any substance which may corrode refrigerant containing components, unless the components are constructed of materials which are inherently resistant to being corroded or are suitably protected against being so corroded.

- 4.9 Checks to electrical devices
- Repair and maintenance to electrical components shall include initial safety checks and component inspection procedures.
- If a fault exists that could compromise safety, then no electrical supply shall be connected to the circuit until it is satisfactorily dealt with.
- If the fault cannot be corrected immediately but it is necessary to continue operation, an adequate temporary solution shall be used.
- This shall be reported to the owner of the equipment so all parties are advised.
- Initial safety checks shall include:
- that capacitors are discharged: this shall be done in a safe manner to avoid possibility of sparking;
 that no live electrical components and wiring are
- exposed while charging, recovering or purging the system; – that there is continuity of earth bonding.

(5. Repairs to sealed components)

- During repairs to sealed components, all electrical supplies shall be disconnected from the equipment being worked upon prior to any removal of sealed covers, etc.
- If it is absolutely necessary to have an electrical supply to equipment during servicing, then a permanently operating form of leak detection shall be located at the most critical point to warn of a potentially hazardous situation.
- Particular attention shall be paid to the following to ensure that by working on electrical components, the casing is not altered in such a way that the level of protection is affected.

This shall include damage to cables, excessive number of connections, terminals not made to original specification, damage to seals, incorrect fitting of glands, etc.

- Ensure that the apparatus is mounted securely.
 Ensure that seals or sealing materials have not degraded to the point that they no longer serve the purpose of preventing the ingress of flammable
- atmospheres.
 Replacement parts shall be in accordance with the manufacturer's specifications.

NOTE

The use of silicon sealant can inhibit the effectiveness of some types of leak detection equipment. Intrinsically safe components do not have to be isolated prior to working on them.

6. Repair to intrinsically safe components

- Do not apply any permanent inductive or capacitance loads to the circuit without ensuring that this will not exceed the permissible voltage and
- current permitted for the equipment in use. Intrinsically safe components are the only types that can be worked on while live in the presence of a flammable atmosphere.
- The test apparatus shall be at the correct rating Replace components only with parts specified by the manufacturer.
- Other parts may result in the ignition of refrigerant in the atmosphere from a leak

7. Cabling

Check that cabling will not be subject to wear, corrosion, excessive pressure, vibration, sharp edges or any other adverse environmental effects The check shall also take into account the effects of aging or continual vibration from sources such as compressors or fans

8. Detection of flammable refrigerants

- Under no circumstances shall potential sources of ignition be used in the searching for or detection of refrigerant leaks.
- A halide torch (or any other detector using a naked flame) shall not be used.

9. Leak detection methods

- Electronic leak detectors may be used to detect refrigerant leaks but, in the case of flammable refrigerants, the sensitivity may not be adequate, or may need re-calibration. (Detection equipment shall be calibrated in a refrigerant-free area.)
- Ensure that the detector is not a potential source of ignition and is suitable for the refrigerant used
- Leak detection equipment shall be set at a percentage of the LFL of the refrigerant and shall be calibrated to the refrigerant employed, and the appropriate percentage of gas (25 % maximum) is confirmed.
- Leak detection fluids are suitable for use with most refrigerants but the use of detergents containing chlorine shall be avoided as the chlorine may react with the refrigerant and corrode the copper pipe-work.
- If a leak is suspected, all naked flames shall be removed/extinguished.
- If a leakage of refrigerant is found which requires brazing, all of the refrigerant shall be recovered from the system, or isolated (by means of shut off valves) in a part of the system remote from the leak
- For appliances containing flammable refrigerants, oxygen free nitrogen (OFN) shall then be purged through the system both before and during the brazing process.

(10. Removal and evacuation

- · When breaking into the refrigerant circuit to make repairs – or for any other purpose – conventional procedures shall be used. However, for flammable refrigerants it is important that best practice is
- followed since flammability is a consideration. The following procedure shall be adhered to: remove refrigerant;
- purge the circuit with inert gas; evacuate:
- purge again with inert gas; open the circuit by cutting or brazing.
- The refrigerant charge shall be recovered into the correct recovery cylinders.
- For appliances containing flammable refrigerants, the system shall be "flushed" with OFN to render the unit safe.
- This process may need to be repeated several times
- Compressed air or oxygen shall not be used for purging refrigerant systems.

- For appliances containing flammable refrigerants, flushing shall be achieved by breaking the vacuum in the system with OFN and continuing to fill until the working pressure is achieved, then venting to atmosphere, and finally pulling down to a vacuum. This process shall be repeated until no refrigerant is within the system.
- When the final OFN charge is used, the system shall be vented down to atmospheric pressure to enable work to take place. This operation is absolutely vital if brazing
- operations on the pipe-work are to take place. Ensure that the outlet for the vacuum pump is not
- close to any ignition sources and that ventilation is available

11. Charging procedures

- In addition to conventional charging procedures, the following requirements shall be followed
- Ensure that contamination of different refrigerants does not occur when using charging equipment. Hoses or lines shall be as short as possible to minimise the amount of refrigerant contained in them.
- Cylinders shall be kept upright.
- Ensure that the refrigeration system is earthed prior to charging the system with refrigerant
- Label the system when charging is complete (if not already).
- Extreme care shall be taken not to overfill the refrigeration system.
- Prior to recharging the system, it shall be pressure-tested with the appropriate purging gas. The system shall be leak-tested on completion of
- charging but prior to commissioning. A follow up leak test shall be carried out prior to
- leaving the site.

12. Decommissioning

- Before carrying out this procedure, it is essential that the technician is completely familiar with the equipment and all its detail
- It is recommended good practice that all refrigerants are recovered safely.
- Prior to the task being carried out, an oil and refrigerant sample shall be taken in case analysis is required prior to re-use of reclaimed refrigerant It is essential that electrical power is available
- before the task is commenced.
- a) Become familiar with the equipment and its
- operation. b) Isolate system electrically.
- c) Before attempting the procedure ensure that:
- mechanical handling equipment is available, if required, for handling refrigerant cylinders; all personal protective equipment is available and
- being used correctly; - the recovery process is supervised at all times by
- a competent person;
- recovery equipment and cylinders conform to the appropriate standards. d) Pump down refrigerant system, if possible.
- e) If a vacuum is not possible, make a manifold so
- that refrigerant can be removed from various parts of the system. f) Make sure that cylinder is situated on the scales
- before recovery takes place.
- g) Start the recovery machine and operate in accordance with manufacturer's instructions. h) Do not overfill cylinders. (No more than 80 %
- volume liquid charge). Do not exceed the maximum working pressure of
- the cylinder, even temporarily. When the cylinders have been filled correctly j) and the process completed, make sure that the
- cylinders and the equipment are removed from site promptly and all isolation valves on the equipment are closed off
- k) Recovered refrigerant shall not be charged into another refrigeration system unless it has been cleaned and checked.

13. Labelling

- Equipment shall be labelled stating that it has been de-commissioned and emptied of refrigerant. The label shall be dated and signed.
- For appliances containing flammable refrigerants, ensure that there are labels on the equipment stating the equipment contains flammable refrigerant.

14. Recovery

- When removing refrigerant from a system, either for servicing or decommissioning, it is recommended good practice that all refrigerants are removed safelv
- When transferring refrigerant into cylinders, ensure that only appropriate refrigerant recovery cylinders are employed.
- Ensure that the correct number of cylinders for holding the total system charge are available.
- All cylinders to be used are designated for the recovered refrigerant and labelled for that refrigerant (i.e. special cylinders for the recovery of refrigerant).
- Cylinders shall be complete with pressure relief valve and associated shut-off valves in good working order.
- Empty recovery cylinders are evacuated and, if possible, cooled before recovery occurs.
- The recovery equipment shall be in good working order with a set of instructions concerning the equipment that is at hand and shall be suitable for the recovery of all appropriate refrigerants including, when applicable, flammable refrigerants. In addition, a set of calibrated weighing scales shall
- be available and in good working order.
- Hoses shall be complete with leak-free disconnect couplings and in good condition. Before using the recovery machine, check that it
- is in satisfactory working order, has been properly maintained and that any associated electrical components are sealed to prevent ignition in the event of a refrigerant release. Consult manufacturer if in doubt.
- The recovered refrigerant shall be returned to the refrigerant supplier in the correct recovery cylinder, and the relevant Waste Transfer Note arranged. Do not mix refrigerants in recovery units and especially not in cylinders.
- If compressors or compressor oils are to be removed, ensure that they have been evacuated to an acceptable level to make certain that flammable refrigerant does not remain within the lubricant.
- The evacuation process shall be carried out prior to returning the compressor to the suppliers.
- Only electric heating to the compressor body shall be employed to accelerate this process. When oil is drained from a system, it shall be
- carried out safely.

(15. Other safety precautions

- A brazed, welded, or mechanical connection shall be made before opening the valves to permit refrigerant to flow between the refrigerating system parts.
- Flammable refrigerant used, refrigerant tubing protected or enclosed to avoid mechanical damage (IEC/EN 60335-2-40/A1).
- Tubing protected to extent that it will not be handled or used for carrying during moving of product (IEC/ EN 60335-2-40/A1).
- Flammable refrigerant used, low temperature solder alloys, such as lead/tin alloys, not acceptable for pipe connections (IEC/EN 60335-2-40/A1).
- When there is flare connection, it must be installed outdoor

9. OUTLINE OF OPERATION CONTROL BY MICROCOMPUTER

(1) Operation control function by wireless remote control



• RUN and TIMER lights blink quickly during invalid operation mode.

(2) Unit ON/OFF button

When the wireless remote control batteries become weak, or if the wireless remote control is lost or malfunctioning, this button may be used to turn the unit on and off.

(a) Operation

Push the button once to place the unit in the automatic mode. Push it once more to turn the unit off.

(b) Details of operation

The unit will go into the automatic mode in which it automatically determines, from room temperature (as detected by sensor), whether to go into the COOL or HEAT modes.

COOLAbout 24°CAutoAutoContinuousHEATAbout 26°CAutoContinuous	Function Operation mode	Room temperature setting	Fan speed	Flap/Louver	Timer switch
	COOL	About 24°C	Auto	Auto	Continuous
	HEAT	About 26°C	Auto	Auto	Continuous

- (a) Auto restart function records the operational status of the air-conditioner immediately prior to be switched off by a power cut, and then automatically resumes operations after the power has been restored.
- (b) The following settings will be cancelled:
 - (i) Timer settings

(3) Auto restart function

- (ii) HIGH POWER operation
- Notes (1) Auto restart function is set at on when the air-conditioner is shipped from the factory. Consult with your dealer if this function needs to be switched off.
 - $(2) \quad \mbox{When power failure ocurrs, the timer setting is cancelled. Once power is resumed, reset the timer.}$
 - (3) If the jumper wire (J1) "AUTO RESTART" is cut, auto restart is disabled. (See the diagram at right.)



(4) Installing two air-conditioners in the same room

In case two air-conditioners are installed in the same room, apply this setting so that one unit can be operated with only one remote control.

(a) Setting the wireless remote control

- (i) Slide the cover and take out the batteries.
- (ii) Disconnect the switching line next to the battery with wire cutters.
- (iii) Set the batteries and cover again.

(b) Setting an indoor unit

- (i) Turn off the power source, and turn it on after 1 minute.
- Point the wireless remote control (that was set according to the procedure described on the left side) at the indoor unit and send a signal by pressing the ACL switch on the wireless remote control.

Since the signal is sent in about 6 seconds after the ACL switch is pressed, point the wireless remote control at the indoor unit for some time.

(iii) Check that the reception buzzer sound "Peep" is emitted from the indoor unit. At completion of the setting, the indoor unit emits a buzzer sound "Peep".(If no reception sound is emitted, start the setting from the beginning again.)



Disconnect



(5) Selection of the annual cooling function

(a) The annual cooling control is valid from factory default setting. It is possible to disable by cutting jumper wire (J3), or changing the setting of dip switch (SW2-4) on the interface kit (option) PCB if it is connected.

Jumper wire (J3)	Interface kit (SC-BIKN2-E) SW2-4	Function
Shorted	ON	Enabled
Shorted	OFF	Disabled
Open	ON	Disabled
Open	OFF	Disabled

Note: (1) Default states of the jumper wire (J3) and the interface kit at the shipping from factory –On the PCB, the dip switch (SW2-4) is set to enable the annual cooling function.

(2) To cancel the annual cooling setting, consult your dealer.

(b) Content of control

- (i) If the outdoor air temperature sensor (TH2) detects below 5°C, the indoor unit speed is switched to 7th step.
- (ii) If the outdoor air temperature sensor (TH2) detects higher than 10°C, the indoor unit speed is changed to the normal control speed.

(6) Heating only function

- (a) Heating only function is enabled by disconnecting the jumper wire (J4).
- (b) Content of control

Operation mode setting	Operation mode
COOL/DRY/FAN	FAN
AUTO/HEAT	HEAT



Outdoor air temperature (°C)



(7) High power operation

Pressing the HI POWER/ECONOMY button intensifies the operating power and initiates powerful cooling and heating operation for 15 minutes continuously. The wireless remote control displays HIGH POWER mark and the FAN SPEED display disappears.

- (a) During the HIGH POWER operation, the room temperature is not controlled. When it causes an excessive cooling and heating, press the HI POWER/ECONOMY button again to cancel the HIGH POWER operation.
- (b) HIGH POWER operation is not available during the DRY and the ON timer to OFF timer operations.
- (c) When HIGH POWER operation is set after ON timer operation, HIGH POWER operation will start from the set time.
- (d) When the following operation are set, HIGH POWER operation will be cancelled.
 - ① When the HI POWER/ECONOMY button is pressed again.
 - 2 When the operation mode is changed.
 - ③ When it has been 15 minutes since HIGH POWER operation has started.
 - ④ When the 3D AUTO botton is pressed.
 - 5 When the SILENT botton is pressed.
 - ⁽⁶⁾ When the NIGHT SETBACK botton is pressed.
- (e) Not operable while the air-conditioner is OFF.
- (f) After HIGH POWER operation, the sound of refrigerant flowing may be heard.

(8) Economy operation

Pressing the HI POWER/ECONOMY button initiates a soft operation with the power suppressed in order to avoid an excessive cooling or heating. The unit operate 1.5°C higher than the setting temperature during cooling or 2.5°C lower than that during heating. The wireless remote control displays ECONOMY mark and the FAN SPEED display disappears.

- (a) It will go into ECONOMY operation at the next time the air-conditioner runs in the following cases.
 - ① When the air-conditioner is stopped by ON/OFF button during ECONOMY operation.
 - 2 When the air-conditioner is stopped in SLEEP or OFF TIMER operation during ECONOMY operation.
 - ③ When the operation is retrieved from CLEAN or ALLERGEN CLEAR operation.
- (b) When the following operation are set, ECONOMY operation will be cancelled.
 - (1) When the HI POWER/ECONOMY button is pressed again.
 - 2 When the operation mode is changed from DRY to FAN.
 - ③ When the NIGHT SETBACK botton is pressed.
- (c) Not operable while the air-conditioner is OFF.
- (d) The setting temperature is adjusted according to the following table.

Item	Cooling	Heating
Town	①+0.5	①-1.0
Temperature adjustment	2+1.0	2-2.0
	③+1.5	3-2.5

① at the start of operation.

2 one hour after the start of operation.

③ two hours after the start of operation.

(9) Air flow direction adjustment

Air flow direction can be adjusted with by AIR FLOW \blacklozenge (UP/DOWN) and \blacklozenge (LEFT/RIGHT) button on the wireless remote control.

(a) Flap

Every time when you press the AIR FLOW \blacklozenge (UP/DOWN) button the mode changes as follows.



• Angle of flap from horizontal

Wireless remote control display	-7	_	Ţ	$\mathbf{\zeta}$	$\mathbf{c}_{\mathbf{r}}$
COOL, DRY, FAN	Approx. 25°	Approx. 30°	Approx. 40°	Approx. 50°	Approx. 60°
HEAT	Approx. 25°	Approx. 35°	Approx. 50°	Approx. 60°	Approx. 70°

(b) Louver

Every time when you press the AIR FLOW ♦ (LEFT/RIGHT) button the mode changes as follows.



(c) Swing

(i) Swing flap

(ii) Swing louver

Louver moves in left and right directions continuously.

directions continuously.

Flap moves in upward and downward



(d) Memory flap (Flap or louver stopped)

When you press the AIR FLOW (UP/DOWN or LEFT/RIGHT) button once while the flap or louver is operating, it stops swinging at the position. Since this angle is memorized in the microcomputer, the flap or louver will automatically be set at this angle when the next operation is started.

(10) 3D auto operation

Control the flap and louver by 3D AUTO button on the wireless remote control.

Fan speed and air flow direction are automatically controlled, allowing the entire indoor to efficiently conditioned.

- (a) During cooling and heating (Including auto cooling and heating)
 - (i) Air flow selection is determined according to indoor temperature and setting temperature.

Operation mode		Air flow selection			
Operation mode	AUTO		HI	MED	LO
Cooling	Room temp. – Setting temp. >5°C	Room temp. – Setting temp. $\leq 5^{\circ}C$			
Cooling	HIGH POWER	AUTO	н	MED	LO
Heating	Setting temp. – Room temp. >5°C	Setting temp. – Room temp. $\leq 5^{\circ}C$		MED	
Heating	HIGH POWER	AUTO			

- (ii) Air flow direction is controlled according to the room temperature and setting temperature.
 - 1) When 3D auto operation starts

	Cooling Heating		
Flap	Up/down swing		
Louver	Wide (Fixed)	Center (Fixed)	

2) When Room temp. – Setting temp. is ≤ 5°C during cooling and when setting temp. – Room temp. is ≤ 5°C during heating, the system switches to the following air flow direction control. After the louver swings left and right symmetrically for 3 cycles, control is switched to the control in 3).

	Cooling Heating		
Flap	Horizontal blowing (Fixed) Slant forwardl blowing (Fixed		
Louver	Left/right swing		

3) After the flap swings for 5 cycles, control is switched to the control in 4).

	Cooling Heating		
Flap	Up/down swing		
Louver	Center (Fixed)		

4) For 5 minutes, the following air flow direction control is carried out.

	Cooling	Heating	
Flap	Horizontal blowing (Fixed)	Slant forwardl blowing (Fixed)	
Louver	Wide (Fixed)		

5) After 5 minutes have passed, the air flow direction is determined according to the room temperature and setting temperature.

Operation mode		Air flow direction contorol										
Cooling	Room temp. – Setting temp. ≦2°C	$2^{\circ}C < \text{Room temp.} - \text{Setting temp.} \leq 5^{\circ}C$	Room temp. – Setting temp. $> 5^{\circ}C$									
	The control in 4) continues.	Control returns to the control in 2).	Control returns to the control in 1).									
Heating	Setting temp. – Room temp. ≦2°C	$2^{\circ}C < Setting temp Room temp. \leq 5^{\circ}C$	Setting temp. – Room temp. > 5°C									
Heating	The control in 4) continues.	Control returns to the control in 2).	Control returns to the control in 1).									

(b) During DRY operation

Flap	Horizontal blowing (Fixed)
Louver	Wide (Fixed)

(11) Timer operation

(a) Comfort start-up (ON timer operation)

The unit starts the operation 5 to 60 minutes earlier so that the room can approach optimum temperature at ON timer.

(b) Sleep timer operation

Pressing the SLEEP button causes the temperature to be controlled with respect to the set temperature.

(c) OFF timer operation

The OFF timer can be set at a specific time (in 10-minute units) within a 24-hour period.

(d) Weekly timer operation

Up to 4 programs with timer operation (ON timer / OFF timer) are available for each day of the week.

(12) Silent operation

When the silent operation is set, the unit operates by dropping the outdoor fan speed and the compressor speed.

	SRK20 Cooling Heating		SRK25		SRI	K35	SRK50	
			Cooling Heating Cooling Heating		Cooling	Heating	Cooling Heating	
Outdoor fan speed (Upper limit)	4th speed	4th speed	4th speed	4th speed	5th speed	4th speed	4th speed	4th speed
Compressor speed (Upper limit)	30 rps	46 rps	37 rps	49 rps	46 rps	56 rps	46 rps	70rps

(13) Night setback operation

When the night setback operation is set, the heating operation starts with the setting temperature at 10° C.

(14) Air flow range setting

Take the air-conditioner location into account and adjust the left/right air flow range to maximize air-conditioning.

- (a) Setting
 - (i) If the air-conditioning unit is running, press the ON/OFF button to stop. The installation location setting cannot be made while the unit is running.
 - (ii) Press the AIR FLOW U/D (UP/DOWN) button and the

AIR FLOW L/R (LEFT/RIGHT) button together for 5 seconds or more.

The installation location display illuminates.

(iii) Setting the air-conditioning installation location.

Press the AIR FLOW L/R (LEFT/RIGHT) button and adjust to the desired location.

Each time the AIR FLOW L/R (LEFT/RIGHT) button is pressed, the indicator is switched in the order of:







(iv) Press the ON/OFF button.

The air-conditioner's installation location is set.

Press within 60 seconds of setting the installation location (while the installation location setting display illuminates).

(15) Display brightness adjustment

This function can be used when it is necessary to adjust the brightness of unit display.

Brightness level	Run light	Timer light			
LV2	100%	100%			
LV1	50%	50%			
LV0	0%	0%			

Note(1) When the unit displays self diagnosis or service mode, brightness level is always LV2.

(16) Outline of heating operation

(a) Operation of major functional components in heating mode

	Heating									
	Thermostat ON	Thermostat OFF	Failure							
Compressor	ON	OFF	OFF							
Indoor fan motor	ON	ON(HOT KEEP)*	OFF							
Outdoor fan motor	ON	OFF (few minutes ON)	OFF							
4-way valve	ON	ON	OFF (3 minutes ON)							

*It can be set the indoor fan motor off or the heating thermostat OFF with connecting a wired remote control. In the case, indoor air temperature is detected by sensor on the wired remote control.

(b) Details of control at each operation mode (pattern)

(i) Fuzzy operation

Deviation between the indoor temperature setting correction temperature and the return air temperature is calculated in accordance with the fuzzy rule, and used for control of the air capacity and the compressor speed.

Model	SRK20	SRK25	SRK35	SRK50		
Fan speed	36620	36625	30033	36630		
Auto	20-115rps	20-115rps	20-115rps	20-110rps		
HI	20-115rps	20-115rps	20-115rps	20-110rps		
MED	20-86rps	20-104rps	20-108rps	20-106rps		
LO	20-70rps	20-84rps	20-96rps	20-94rps		
ULO	20-44rps	20-54rps	20-60rps	20-63rps		

When the defrost operation, protection device, etc. is actuated, operation is performed in the corresponding mode.

(ii) Hot keep operation

During the heating operation, the indoor fan speed can be controlled based on the temperature of the indoor heat exchanger (Th2) to prevent blowing out of cold air.

(c) Defrost operation

- (i) Starting conditions (Defrost operation can be started only when all of the following conditions are satisfied.)
 - 1) After start heating operation

When it elapsed 35 minutes. (Total compressor operation time)

2) After finish of defrost operation

When it elapsed 35 minutes. (Total compressor operation time)

3) Outdoor heat exchanger sensor (TH1) temperature

When the temperature has been -5°C or less for 3 minutes continuously.

4) The difference between the outdoor air sensor temperature and the outdoor heat exchanger sensor temperature is as following.

Models SRK20, 25



Models SRK35, 50



- 5) During continuous compressor operation
 - In case satisfied all of following conditions.
 - Connect compressor speed 0 rps 10 times or more.
 - Satisfy 1), 2) and 3) conditions above.
 - Outdoor air temperature is 3°C or less.
- (ii) Ending conditions (Operation returns to the heating cycle when either one of the following is satisfied.)
 - 1) Outdoor heat exchanger sensor (TH1) temperature: 13°C (model SRK50 : 10°C) or higher
 - 2) Continued operation time of defrost operation → For more than 17 minutes (models SRK35, 50 : 17 minutes and 30seconds).
 Defrost operation



 \times Depends on an operation condition, the time can be longer than 7 minutes.

(d) Countermeasure for excessive temperature rise

If it feels excessive temperature rise in heating operation, setting temperature can be lower.

(i) Setting

Push ON/OFF button 30 seconds or more after turn on the power source and operate the air-conditioner at least once time, At completion of the setting, the indoor unit emits a buzzer sound "Pip".

(ii) Contents of control

Unit	:	°C

		Signal of wireless remote control (Display)											
	18	19	20	21	22	23	24	25	26	27	28	29	30
Before setting	20	21	22	23	24	25	26	27	28	29	30	31	32
After setting	18	19	20	21	22	23	24	25	26	27	28	29	30

(iii) Reset condition

Push ON/OFF button 30 seconds or more during setting this mode. At completion of the reset, the indoor unit emits a buzzer sound "PiPiPi".

(17) Outline of cooling operation

(a) Operation of major functional components in cooling mode

		Cooling	
	Thermostat ON	Thermostat OFF	Failure
Compressor	ON	OFF	OFF
Indoor fan motor	ON	ON	OFF
Outdoor fan motor	ON	OFF (few minutes ON)	OFF (few minutes ON)
4-way valve	OFF	OFF	OFF

(b) Detail of control in each mode (Pattern)

(i) Fuzzy operation

During the fuzzy operation, the air flow and the compressor speed are controlled by calculating the difference between the indoor temperature setting correction temperature and the return air temperature.

Model Fan speed	SRK20	SRK25	SRK35	SRK50
Auto	15-66rps	15-74rps	15-98rps	20-100rps
HI	15-66rps	15-74rps	15-98rps	20-100rps
MED	15-52rps	15-60rps	15-80rps	20-82rps
LO	15-42rps	15-48rps	15-70rps	20-66rps
ULO	15-34rps	15-38rps	15-46rps	20-40rps

(18) Outline of dehumidifying (DRY) operation

(a) Purpose of DRY mode

The purpose is "Dehumidification", and not to control the humidity to the target condition. Indoor/outdoor unit control the operation condition to reduce the humidity, and also prevent over cooling.

(b) Outline of control

(i) Indoor unit fan speed and compressor are controlled by the area which is selected by the temperature difference.



(ii) The indoor unit checks the current area by every 5 minutes, and operates by the next checking.

(c) Other

When the outdoor air temperature and room temperature are low in cooling operation, indoor unit can not operate cooling mode, and DRY mode. In this case, the unit operates in heating mode to rise the indoor air temperature and after that start DRY mode.

(19) Outline of automatic operation

(a) Determination of operation mode

Operation mode is determined by indoor air temperature and outdoor air temperature as following.



(b) Operation mode is changes when keep cooling and heating thermostat off 20 minutes and be satisfied with following conditions. If the setting temperature is changed with the remote control, the operation mode is judged immediately.



XIt can not be changed to heating mode if outdoor air temperature is 28°C or higher.

- (c) When the unit is started again within one hour after the stop of automatic operation or when the automatic operation is selected during heating, cooling or DRY mode, the unit is operated in the previous operation mode.
- (d) Setting temperature can be adjusted within the following range. There is the relationship as shown below between the signals of the wireless remote control and the setting temperature.

Signals of wireless remote contro										(Display	/)			
		18	19	20	21	22	23	24	25	26	27	28	29	30
Setting	Cooling	18	19	20	21	22	23	24	25	26	27	28	29	30
temperature	Heating	20	21	22	23	24	25	26	27	28	29	30	31	32

(e) When the unit is operated automatically with the wired remote control, the cooling operation is controlled according to the display temperatures while the setting temperature is compensated by +2°C during heating.
(20) Protective control function

Dew prevention control (During cooling) (a)

Prevents dewing on the indoor unit. (SRK35, 50 only)

Operating conditions (i)

- When the following conditions have been satisfied for more than 30 minutes after starting operation
- Compressor's speed is 32 (model SRK50:28) rps or higher. 1)
- 2) Detected value of humidity is 68% or higher.

(ii) Contents of operation

Air capacity control 1)

Item	Model	SRK35	SRK50
LO	Upper limit of compressor's speed	RangeA: 60rps, RangeB: 60rps	RangeA: 62rps, RangeB: 50ps
20	Indoor fan	5th speed	4th speed
	Upper limit of compressor's speed	RangeA: 60rps, RangeB: 60rps	RangeA: 62rps, RangeB: 50rps
AUTO,HI,MED	In de en fere	Adaptable to co	mpressor speed
	Indoor fan	(Lower limit 5th speed)	(Lower limit 4th speed)

Note (1) Ranges A and B are as shown below.



- 2) When this control has continued for more than 30 minutes continuously, the following wind direction control is performed. a) When the vertical wind direction is set at other than the vertical swing, the flaps change to the horizontal position.
 - b) When the horizontal wind direction is set at other than the horizontal swing, the louver changes to the vertical position.

compressor

speed

(iii) Reset condition

Humidity is less than 63%.

(b) Frost prevention control (During cooling or dehumidifying)

(i) **Operating conditions**

- Indoor heat exchanger temperature (Th2) is lower than 5°C. 1)
- 2) 5 minutes after reaching the compressor speed except 0 rps.



Dotail of anti-ficot operation			Lower		*	
Indoor heat exchanger temperature Item		2.5°C or lower	limit ⁻ speed			
Lower limit of compressor command speed	22 rps(model SRK50 : 23 rps)	0 rps	0 rps -			
Indoor fan	Depends on operation mode	Keep the fan speed before frost prevention control		2.5	5	8
Outdoor fan	Depends on compressor speed	Denendo en sten mode		Indoor h	eat ex	changer
4-way valve	OFF	Depends on stop mode	temperature (°C)			

(iii) Reset conditions

When either of the following condition is satisfied.

- 1) The indoor heat exchanger temperature (Th2) is 8°C or higher.
- 2) The compressor speed is 0 rps.

<sup>Notes (1) When the indoor heat exchanger temperature is in the range of 2.5–5°C, the speed is reduced by 4 rps at each 20 seconds.
(2) When the temperature is lower than 2.5°C, the compressor is stopped.
(3) When the indoor heat exchanger temperature is in the range of 5–8°C, the compressor speed is been maintained.</sup>

TH1(℃

(c) Cooling overload protective control

Operating conditions (i)

When the outdoor air temperature (TH2) has become continuously for 30 seconds at 41°C or more, or 47°C or more with the compressor running, the lower limit speed of compressor is brought up. 0N2

Item	Model	SRK20-35		SRK50			OFF V	ON [.]	1 🔻		
Outdoor air tempe	erature	41°C or more	47°C or more	41°C or more	47°C or more					-	
Lower limit speed		30 rps	45 rps	27 rps	35 rps		40	41	46	47	-
Detail of an arati	~					Out	door a	ir tei	nper	ature	; (°C)

(ii) Detail of operation

- 1) The outdoor fan is stepped up by 3 speed step. [Upper limit 8 (model SRK50: 8) th speed.]
- 2) The lower limit of compressor speed is set to 30 or 45 (model SRK50 : 27 or 35) rps. However, when the thermo OFF, the speed is reduced to 0 rps.

(iii) Reset conditions

When either of the following condition is satisfied.

- 1) The outdoor air temperature is lower than 40°C.
- 2) The compressor speed is 0 rps.

(d) Cooling high pressure control

Purpose (i)

Prevents anomalous high pressure operation during cooling.

- Detector (ii)
 - Outdoor heat exchanger sensor (TH1).
- P1 P3 P2 (iii) Detail of operation 47 50 53 Range A SRK20, 25 Range B 53 58 (Example) Compressor speed 63 48 53 55 Range A 6rps⁽¹⁾ After lapse of 30 sec. or over⁽³⁾ SRK35, 50 Range B 53 58 63 • 6rps⁽¹⁾ After lapse of 30 sec. or over⁽³⁾ Range B After lapse of 30 sec. or over ⁽³⁾_{speed 30} (model SRK50: 29) rps Range A 0rps 31 32 TH1(°C) **P1 P2 P**3 Outdoor heat exchanger temperature (°C)

Notes (1) When the outdoor heat exchanger temperature is in the range of P2-P3°C, the speed is reduced by 6 rps at each 30 seconds.

- (2)
- When the outdoor heat exchanger temperature is in the range of P1-P2°C, if the compressor speed is been maintained and the operation has (3)continued for more than 30 seconds at the same speed, it returns to the normal cooling operation.

(e) Cooling low outdoor air temperature protective control

Operating conditions (i)

When the outdoor air temperature (TH2) is 22°C or lower continues for 20 seconds while the compressor speed is other than 0 rps.

(ii) Detail of operation

- It controls the upper and lower limit values for the compressor speed according to the following table. 1)
- 2) It checks the outdoor temperature (TH2) once every hour to judge the operation range.

$\overline{}$		Compressor speed: Upper/lower limit (rps)						Range A
	Low Range B		Upper 1	Lower 2	Upper 2	Lower 3	Upper 3	Range B
SRK20, 25, 35	30	Release	60	44	50	50	50	
SRK50	27	Release	60	44	50	-	_	24 26 Outdoor air temperature (°C)



• Values of A, B, C, D, E, F (Models SRK20-35)

	Outdoor air temperature (°C)						
	E	F	Α	В	С	D	
First time	-8	-5	0	3	22	25	
After the second times	-2	1	5	8	25	28	

• Values of A, B, C, D (Model SRK50)

	Outdoor air temperature (°C)					
	Α	в	С	D		
First time	9	11	22	25		
After the second times	16	19	25	28		

Reset conditions (iii)

When either of the following condition is satisfied.

- The outdoor air temperature (TH2) is D°C or higher. 1)
- 2) The compressor speed is 0 rps.

(f) Heating high pressure control

Purpose (i)

Prevents anomalous high pressure operation during heating.

Detector (ii)

Indoor heat exchanger sensor (Th2)

(iii) **Detail of operation**



- Notes (1) When the indoor heat exchanger temperature is in the range of B-C °C, the speed is reduced by 4 rps at each 20 seconds. (2) When the indoor heat exchanger temperature is in the range of C-D °C, the speed is reduced by 8 rps at each 20 seconds. When the temperature is D °C or higher continues for 1 minute, the compressor is stopped.
 - (3) When the indoor heat exchanger temperature is in the range of A-B °C, if the compressor speed is been maintained and the operation has continued for more than 20 seconds at the same speed, it returns to the normal heating operation.
 - (4) Indoor fan retains the fan speed when it enters in the high pressure control. Outdoor fan is operated in accordance with the speed.

Temperature list Models SRK20, 25, 35

Models SRK20, 25, 35							
	A	В	С	D			
RPSmin < 50	47	52	54	58			
50 ≦ RPSmin < 92	47.5	55	57	61			
92 ≦ RPSmin ≦ 115	47.5 - 39	55 - 40	57 - 42	61			

Note (1) RPSmin: The lower one between the outdoor speed and the compressor speed

Model SRK50

Model SRK50				Unit : °C
	Α	В	С	D
RPSmin < 35	49	54	55	55.5
35 ≦ RPSmin < 40	49 - 52	54 - 57	55 - 58	55.5 - 62
40 ≦ RPSmin < 80	52	57	58	62
80 ≦ RPSmin < 95	52 - 48.1	57 - 52.2	58 - 53.2	62 - 56
95 ≦ RPSmin < 115	48.1 - 43	52.2 - 46	53.2 - 47	56 - 50.5
115 ≦ RPSmin	43	46	47	50.5

Note (1) RPSmin: The lower one between the outdoor speed and the compressor speed

(g) Heating overload protective control

Outdoor unit side

• Models SRK20, 25, 35

1) Operating conditions

When the outdoor air temperature (TH2) is 22°C or higher continues for 30 seconds while the compressor speed other than 0 rps.

2) Detail of operation

- a) Taking the upper limit of compressor speed at 60 rps, if the output speed obtained with the fuzzy calculation exceeds the upper limit, the upper limit value is maintained.
- b) The lower limit of compressor speed is set to 40 rps and even if the calculated result becomes lower than that after fuzzy calculation, the speed is kept to 40 rps. However, when the thermostat OFF, the speed is reduced to 0 rps.
- c) Inching prevention control is activated and inching prevention control is carried out with the minimum speed set at 40 rps.
- d) The outdoor fan speed is set on 2nd speed.



3) Reset conditions

The outdoor air temperature (TH2) is lower than 21°C.

Model SRK50

1) Operating conditions

When the outdoor air temperature (TH2) is 11°C or higher continues for 30 seconds while the compressor speed other than 0 rps.

Indooor air temperature(°C)

2) Detail of operation

- a) Taking the upper limit of compressor speed range at 90 rps, if the output speed obtained with the fuzzy calculation exceeds the upper limit, the upper limit value is maintained.
- b) The lower limit of compressor speed is set to 27 rps and even if the calculated result becomes lower than that after fuzzy calculation, the speed is kept to 27 rps. However, when the thermostat OFF, the speed is reduced to 0 prs.
- c) Inching prevention control is activated and inching prevention control is carried out with the minimum speed set at 27 rps.
- d) Refer to the right table about the outdoor fan speed.



3) Reset conditions

The outdoor air temperature (TH2) is lower than 10°C.

(h) Heating low outdoor temperature protective control

• Models SRK20, 25, 35

(i) Operating conditions

When the outdoor air temperature (TH2) is lower than -2° C or higher continues for 30 seconds while the compressor speed is other than 0 rps.

(ii) Detail of operation

The lower limit compressor speed is change as shown in the figure below.



(iii) Reset conditions

When either of the following condition is satisfied.

- 1) The outdoor air temperature (TH2) becomes 2°C.
- 2) The compressor speed is 0 rps.

Model SRK50

(i) Operating conditions

When the outdoor air temperature (TH2) is lower than 4°C or higher than 13°C continues for 30 seconds while the compressor speed is other than 0 rps.

(ii) Detail of operation

The lower limit compressor speed is change as shown in the figure below.



(iii) Reset conditions

When either of the following condition is satisfied.

- 1) The outdoor air temperature (TH2) becomes 6°C.
- 2) The compressor speed is 0 rps.

(i) Compressor overheat protection

(i) Purpose

It is designed to prevent deterioration of oil, burnout of motor coil and other trouble resulting from the compressor overheat.

(ii) Detail of operation

1) Speeds are controlled with temperature detected by the sensor (TH3) mounted on the discharge pipe.



- Notes (1) When the discharge pipe temperature is in the range of 100-110°C, the speed is reduced by 4 rps.
 - (2) When the discharge pipe temperature is raised and continues operation for 20 seconds without changing, then the speed is reduced again by 4 rps.
 - (3) If the discharge pipe temperature is in the range of 90-100°C even when the compressor speed is maintained for 60 seconds when the temperature is in the range of 90-100°C, the speed is raised by 1 rps and kept at that speed for 60 seconds. This process is repeated until the command speed is reached.
 - (4) Lower limit speed

Model	ltem	Cooling	Heating
Lower limit speed	SRK20 - 35	15 rps	20 rps
Lower mint speed	SRK50	20 rps	20 rps

2) If the temperature of 110°C is detected by the sensor on the discharge pipe, then the compressor will stop immediately. When the discharge pipe temperature drops and 3 minutes has elapsed, the unit starts again within 1 hour but there is no start at the third time.

(j) Current safe

(i) Purpose

Current is controlled not to exceed the upper limit of the setting operation current.

(ii) Detail of operation

Input current to the converter is monitored with the current sensor fixed on the printed circuit board of the outdoor unit and, if the operation current value reaches the limiting current value, the compressor speed is reduced.

If the mechanism is actuated when the compressor speed is less than 30 rps, the compressor is stopped immediately. Operation starts again after 3 minutes.

(k) Current cut

(i) Purpose

Inverter is protected from overcurrent.

(ii) Detail of operation

Output current from the inverter is monitored with a shunt resistor and, if the current exceeds the setting value, the compressor is stopped immediately. Operation starts again after 3 minutes.

(I) Outdoor unit failure

This is a function for determining when there is trouble with the outdoor unit during air-conditioning.

The compressor is stopped if any one of the following in item (i), (ii) is satisfied. Once the unit is stopped by this function, it is not restarted.

- (i) When the input current is measured at 1 A or less for 3 continuous minutes or more.
- (ii) If the outdoor unit sends a 0 rps signal to the indoor unit 3 times or more within 20 minutes of the power being turned on.

(m) Indoor fan motor protection

When the air-conditioner is operating and the indoor fan motor is turned ON, if the indoor fan motor has operated at 300 min⁻¹ or under for more than 30 seconds, the unit enters first in the stop mode and then stops the entire system.

(n) Serial signal transmission error protection

(i) Purpose

Prevents malfunction resulting from error on the indoor \leftrightarrow outdoor signals.

(ii) Detail of operation

If the compressor is operating and a serial signal cannot be received from the indoor control with outdoor control having serial signals continues for 7 minutes and 35 seconds, the compressor is stopped.

After the compressor has been stopped, it will be restarted after the compressor start delay if a serial signal can be received again from the indoor control.

(o) Rotor lock

If the motor for the compressor does not turn after it has been started, it is determined that a compressor lock has occurred and the compressor is stopped.

(p) Outdoor fan motor protection

If the outdoor fan motor has operated at 75 min⁻¹ or under for more than 30 seconds, the compressor and fan motor are stopped.

(q) Outdoor fan control at low outdoor temperature

(i) Cooling

1) Operating conditions

When the outdoor air temperature (TH2) is 22°C or lower continues for 30 seconds while the compressor speed is other than 0 rps.

2) Detail of operation

After the outdoor fan operates at A speed for 60 seconds; the corresponding outdoor heat exchanger temperature shall implement the following controls.

• Value of A

	Outdoor fan
Outdoor temperature > 10°C	2nd speed
Outdoor temperature ≦ 10°C	1st speed

a) Outdoor heat exchanger temperature (TH1) $\leq 21^{\circ}$ C

After the outdoor fan speed drops (down) to 1 speed for 60 seconds; if the outdoor heat exchanger temperature is lower than 21°C, gradually reduce the outdoor fan speed by 1 speed. (Lower limit 1st speed)

- b) 21°C < Outdoor heat exchanger temperature (TH1) ≤ 38°C
 After the outdoor fan speed maintains at A speed for 20 seconds; if the outdoor heat exchanger temperature is 21°C 38°C, maintain outdoor fan speed.
- c) Outdoor heat exchanger tempeature (TH1) > 38°C After the outdoor fan speed rises (up) to 1 speed for 60 seconds; if the outdoor heat exchanger temperature is higher than 38°C, gradually increase outdoor fan speed by 1 speed. (Upper limit 3rd speed)

3) Reset conditions

When either of the following conditions is satisfied.

a) The outdoor air temperature (TH2) is 24°C or higher.

b) The compressor command speed is 0 rps.

(ii) Heating

1) Operating conditions

When the outdoor air temperature (TH2) is 0°C or lower continues for 30 seconds while the compressor speed is other than 0 rps.

2) Detail of operation

The outdoor fan is stepped up by 2 speed step at each 20 seconds. (Upper limit 8th speed)

3) Reset conditions

When either of the following conditions is satisfied.

- a) The outdoor air temperature (TH2) is 2°C or higher.
- b) The compressor speed is 0 rps.

(r) Refrigeration cycle system protection

(i) Starting conditions

- 1) When 5 minutes have elapsed after the compressor ON or the completion of the defrost operation.
- 2) Other than the defrost operation.
- 3) When, after satisfying the conditions of 1) and 2) above, the compressor speed, indoor temperature (Th1) and indoor heat exchanger temperature (Th2) have satisfied the conditions in the following table for 5 minutes.

Operation mode	Compressor speed (N)	Indoor temperature (Th1)	Indoor temperature (Th1)/ Indoor heat exchanger temperature (Th2)	
Cooling	50≦N	$10 \leq Th1 \leq 40$	Th1-4 <th2< td=""></th2<>	
Heating (1)	50≦N	$0 \leq Th1 \leq 40$	Th2 <th1+6< td=""></th1+6<>	

Note (1) Except that the fan speed is HI in heating operation.

(ii) Contents of control

- 1) When the conditions of (i) above are satisfied, the compressor stops.
- 2) Error stop occurs when the compressor has stopped 3 times within 60 minutes.

(iii) Reset condition

When the compressor has been turned OFF

10. MAINTENANCE DATA

(1) Cautions

- (a) If you are disassembling and checking an air-conditioner, be sure to turn off the power before beginning. When working on indoor units, let the unit sit for about 1 minute after turning off the power before you begin work. When working on an outdoor unit, there may be an electrical charge applied to the main circuit (electrolytic condenser), so begin work only after discharging this electrical charge (to DC10V or lower).
- (b) When taking out printed circuit boards, be sure to do so without exerting force on the circuit boards or package components.
- (c) When disconnecting and connectors, take hold of the connector housing and do not pull on the lead wires.

(2) Items to check before troubleshooting

- (a) Have you thoroughly investigated the details of the trouble which the customer is complaining about?
- (b) Is the air-conditioner running? Is it displaying any self-diagnosis information?
- (c) Is a power source with the correct voltage connected?
- (d) Are the control lines connecting the indoor and outdoor units wired correctly and connected securely?
- (e) Is the outdoor unit's service valve open?

(3) Troubleshooting procedure (If the air-conditioner does not run at all)

If the air-conditioner does not run at all, diagnose the trouble using the following troubleshooting procedure. If the air-conditioner is running but breaks down, proceed to troubleshooting step (4).

Important When all the following conditions are satisfied, we say that the air-conditioner will not run at all.

- (a) The RUN light does not light up.
- (b) The flaps do not open.
- (c) The indoor unit fan motors do not run.
- (d) The self-diagnosis display does not function.



(4) Troubleshooting procedure (If the air-conditioner runs)



Note (1) Even in cases where only intermittent stop data are generated, the air-conditioning system is normal. However, if the same protective operation recurs repeatedly (3 or more times), it will lead to customer complaints. Judge the conditions in comparison with the contents of the complaints.

(5) Self-diagnosis table

When this air-conditioner performs an emergency stop, the reason why the emergency stop occurred is displayed by the flashing of display lights. If the air-conditioner is operated using the remote control 3 minutes or more after the emergency stop, the trouble display stops and the air-conditioner resumes operation. $^{(1)}$

Indoor unit c	door unit display panel Wired ⁽²⁾ remote Description		0				
RUN light	TIMER light	control display		Cause	Display (flashing) condition		
1-time flash	ON	_	Heat exchanger sensor 1 error	 Broken heat exchanger sensor 1 wire, poor connector connection Indoor PCB is faulty 	When a heat exchanger sensor 1 wire disconnection is detected while operation is stopped. (If a temperature of -28° C or lower is detected for 15 seconds, it is judged that the wire is disconnected.) (Not displayed during operation.)		
2-time flash	ON	_	Room temperature sensor error	 Broken room temperature sensor wire, poor connector connection Indoor PCB is faulty 	When a room temperature sensor wire disconnection is detected while operation is stopped. (If a temperature of -45° C or lower is detected for 15 seconds, it is judged that the wire is disconnected.) (Not displayed during operation.)		
3-time flash	ON	_	Heat exchanger sensor 2 error	 Broken heat exchanger sensor 2 wire, poor connector connection Indoor PCB is faulty 	When a heat exchanger sensor 2 wire disconnection is detected while operation is stopped. (If a temperature of -28° C or lower is detected for 15 seconds, it is judged that the wire is disconnected.) (Not displayed during operation.)		
6-time flash	ON	E 16	Indoor fan motor error	• Defective fan motor, poor connector connection	When conditions for turning the indoor unit's fan motor on exist during air- conditioner operation, an indoor unit fan motor speed of 300 min ⁻¹ or lower is measured for 30 seconds or longer. (The air-conditioner stops.)		
Keeps flashing	1-time flash	E 38	Outdoor air temperature sensor error	 Broken outdoor air temp. sensor wire, poor connector connection Outdoor PCB is faulty 	-55°C or lower is detected for 5 seconds continuously 3 times within 40 minutes after initial detection of this anomalous temperature. Or -55°C or lower is detected for within 20 seconds after power ON. (The compressor is stopped.)		
Keeps flashing	2-time flash	E 37	Outdoor heat exchanger sensor error	 Broken heat exchanger sensor wire, poor connector connection Outdoor PCB is faulty 	-55°C or lower is detected for 5 seconds continuously 3 times within 40 minutes after initial detection of this anomalous temperature. Or -55°C or lower is detected for within 20 seconds after power ON. (The compressor is stopped.)		
Keeps flashing	4-time flash	E 39	Discharge pipe sensor error	 Broken discharge pipe sensor wire, poor connector connection Outdoor PCB is faulty 	-25°C or lower is detected for 5 seconds continuously 3 times within 40 minutes after initial detection of this anomalous temperature. (The compressor is stopped.)		
ON	1-time flash	E 42	Current cut	 Compressor locking, open phase on compressor output, short circuit on power transistor, service valve is closed 	The compressor output current exceeds the set value during compressor start. (The air-conditioner stops.)		
ON	2-time flash	E 59	Trouble of outdoor unit	Broken compressor wire Compressor blockage	When there is an emergency stop caused by trouble in the outdoor unit, or the input current value is found to be lower than the set value. (The air-conditioner stops.)		
ON	3-time flash	E 58	Current safe stop	 Overload operation Overcharge Compressor locking 	When the compressor speed is lower than the set value and the current safe has operated. (The compressor stops)		
ON	4-time flash	E 51	Power transistor error	Broken power transistor	When the power transistor is judged breakdown while compressor starts. (The compressor is stopped.)		
ON	5-time flash	E 36	Over heat of compressor	• Gas shortage, defective discharge pipe sensor, service valve is closed	When the value of the discharge pipe sensor exceeds the set value. (The air-conditioner stops.)		
ON	6-time flash	E 5	Error of signal transmission	• Defective power source, Broken signal wire, defective indoor/outdoor PCB	When there is no signal between the indoor PCB and outdoor PCB for 10 seconds or longer (when the power is turned on), or when there is no signal for 7 minutes 35 seconds or longer (during operation) (the compressor is stopped).		
ON	7-time flash	E 48	Outdoor fan motor error	• Defective fan motor, poor connector connection	When the outdoor unit's fan motor speed continues for 30 seconds or longer at 75 min ⁻¹ or lower. (3 times) (The air-conditioner stops.)		
ON	Keeps flashing	E 35	Cooling high pressure protecton	 Overload operation, overcharge Broken outdoor heat exchange sensor wire Service valve is closed 	When the value of the outdoor heat exchanger sensor exceeds the set value.		
2-time flash	2-time flash	E 60	Rotor lock	 Defective compressor Open phase on compressor Defective outdoor PCB 	If the compressor motor's magnetic pole positions cannot be correctly detected when the compressor starts. (The air-conditioner stops.)		
5-time flash	ON	E 47	Active filter voltage error	• Defective active filter	When the wrong voltage connected for the power source. When the outdoor PCB is faulty.		
7-time flash	ON	E 57	Refrigeration cycle system protective control	Service valve is closed.Refrigerant is insufficient	When refrigeration cycle system protective control operates.		
7-time flash	1-time flash	E 40	Service valve (gas side) closed opertion	 Service valve (gas side) closed Defective outdoor PCB 	If the output current of inverter exceeds the specifications, it makes the compressor stopping. (In heating mode). After 3-minute delay, the compressor restarts, but if this anomaly occurs 2 times within 20 minutes after the initial detection.		
-	_	E 1	Error of wired remote control wiring	• Broken wired remote control wire, defective indoor PCB	The wired remote control wire Y is open. The wired remote control wires X and Y are reversely connected. Noise is penetrating the wired remote control lines. The wired remote control or indoor PCB is faulty. (The communications circuit is faulty.)		

Notes (1)The air-conditioner cannot be restarted using the remote control for 3 minutes after operation stops.

(2) The wired remote control is option parts.

(6) Service mode (Trouble mode access function)

This air-conditioner is capable of recording error displays and protective stops (service data) which have occurred in the past. If self-diagnosis displays cannot be confirmed, it is possible to get a grasp of the conditions at the time trouble occurred by checking these service data.

Term	Explanation					
Service mode	The service mode is the mode where service data are displayed by flashing of the display lights when the operations in item (b) below are performed with the indoor control.					
Service data	These are the contents of error displays and protective stops which occurred in the past in the air- conditioner system. Error display contents and protective stop data from past anomalous operations of the air-conditioner system are saved in the indoor unit control's non-volatile memory (memory which is not erased when the power goes off). There are two types of data, self-diagnosis data and stop data, described below.					
Self-diagnosis dataThese are the data which display the reason why a stop occurred when an error display (see diagnosis display) occurred in an indoor unit. Data are recorded for up to 5 previous occur Data which are older than the 5th previous occurrence are erased. In addition, data on the temperature of each sensor (room temperature, indoor heat exchanger, outdoor air temperature, discharge pipe), remote control informat (operation switching, fan speed switching) are recorded when trouble occurs, so more deta information can be checked.						
Stop data	 These are the data which display the reason by a stop occurred when the air-conditioning system performed protective stops, etc. in the past. Even if stop data alone are generated, the system restarts automatically. (After executing the stop mode while the display is normal, the system restarts automatically.) Data for up to 10 previous occasions are stored. Data older than the 10th previous occasion are erased. (Important) In cases where transient stop data only are generated, the air-conditioner system may still be normal. However, if the same protective stop occurs frequently (3 or more times), it could lead to customer complaints. 					

(a) Explanation of terms

(b) Service mode display procedure



*3: To count the number of flashes in the service mode, count the number of flashes after the light lights up for 1.5 second initially (start signal). (The time that the light lights up for 1.5 second (start signal) is not counted in the number of

flashes.)



*4: When in the service mode, when the wireless remote control settings (operation mode, fan speed mode, temperature setting) are set as shown in the following table and sent to the air-conditioner unit, the unit switches to display of service data.

(i) Self-diagnosis data

What are self-diagnosis data?

These are control data (reasons for stops, temperature at each sensor, wireless remote control information) from the time when there were error displays (abnormal stops) in the indoor unit in the past.

Data from up to 5 previous occasions are stored in memory. Data older than the 5th previous occasion are erased. The temperature setting indicates how many occasions previous to the present setting the error display data are and the operation mode and fan speed mode data show the type of data.

Wireless remote	e control setting	Contents of output data				
Operation mode	Fan speed mode	Contents of output data				
	MED	Displays the reason for stopping display in the past (error code).				
Cooling	HI	Displays the room temperature sensor temperature at the time the error code was displayed in the past.				
	AUTO	Displays the indoor heat exchanger sensor temperature at the time the error code was displayed in the past.				
	LO	Displays the wireless remote control information at the time the error code was displayed in the past.				
Heating	MED	Displays the outdoor air temperature sensor temperature at the time the error code was displayed in the past.				
Heating	HI	Displays the outdoor heat exchanger sensor temperature at the time the error code was displayed in the past.				
	AUTO	Displays the discharge pipe sensor temperature at the time the error code was displayed in the past.				

Wireless remote control setting	Indicates the number of occasions previous to the present			
Temperature setting	the error display data are from.			
21°C	1 time previous (previous time)			
22°C	2 times previous			
23°C	3 times previous			
24°C	4 times previous			
25°C	5 times previous			

Only for indoor heat exchanger sensor 2

Wireless remote control setting	Indicates the number of occasions previous to the present				
Temperature setting	the error display data are from.				
26°C	1 time previous (previous time)				
27°C	2 times previous				
28°C	3 times previous				
29°C	4 times previous				
30°C	5 times previous				

(Example)

Wireless	remote contr	ol setting	
Operation mode	Fan speed mode	Temperature setting	Displayed data
		21°C	Displays the reason for the stop (error code) the previous time an error was displayed.
		22°C	Displays the reason for the stop (error code) 2 times previous when an error was displayed.
Cooling	MED	23°C	Displays the reason for the stop (error code) 3 times previous when an error was displayed.
		24°C	Displays the reason for the stop (error code) 4 times previous when an error was displayed.
		25°C	Displays the reason for the stop (error code) 5 times previous when an error was displayed.

(ii) Stop data

Wireless	remote contr	ol setting	
Operation mode	Fan speed mode	Temperature setting	Displayed data
		21°C	Displays the reason for the stop (stop code) the previous time when the air-conditioner was stopped by protective stop control.
		22°C	Displays the reason for the stop (stop code) 2 times previous when the air-conditioner was stopped by protective stop control.
		23°C	Displays the reason for the stop (stop code) 3 times previous when the air-conditioner was stopped by protective stop control.
		24°C	Displays the reason for the stop (stop code) 4 times previous when the air-conditioner was stopped by protective stop control.
Cooling	LO	25°C	Displays the reason for the stop (stop code) 5 times previous when the air-conditioner was stopped by protective stop control.
Cooling	LU	26°C	Displays the reason for the stop (stop code) 6 times previous when the air-conditioner was stopped by protective stop control.
		27°C	Displays the reason for the stop (stop code) 7 times previous when the air-conditioner was stopped by protective stop control.
			Displays the reason for the stop (stop code) 8 times previous when the air-conditioner was stopped by protective stop control.
		29°C	Displays the reason for the stop (stop code) 9 times previous when the air-conditioner was stopped by protective stop control.
		30°C	Displays the reason for the stop (stop code) 10 times previous when the air-conditioner was stopped by protective stop control.

RUN light l0's digit)	TIMER light (1's digit)	Stop coad or Error coad	Error content Cause		Error content Cause		or Error content Cause Error coad		Occurrence conditions	Error display	Auto recover
	OFF	0	Normal			-	-				
OFF	1-time flash	01	Error of wired remote control wiring	Broken wired remote control wire. defective indoor PCB	The wired remote control wire Y is open. The wired remote control wires X and Y are reversely connected. Noise is penetrating the wired remote control lines. The wired remote control or indoor PCB is faulty.	_	0				
	5-time flash	05	Can not receive signals for 35 seconds (if communications have recovered)	Power source is faulty. Power source cables and signal lines are improperly wired. Indoor or outdoor PCB are faulty.	When 35 seconds passes without communications signals from either the outdoor unit or the indoor unit being detected correctly.	0	_				
	5-time flash	35	Cooling high pressure control	Cooling overload operation. Dutdoor unit fan speed drops. Dutdoor heat exchanger sensor is short-circuit. When the outdoor heat exchanger sensor's value exceeds the set value.		(5 times)	0				
	6-time flash	36	Compressor overheat 110°C	Refrigerant is insufficient. Discharge pipe sensor is faulty. Service valve is closed.	When the discharge pipe sensor's value exceeds the set value.	(2 times)	0				
3-time flash	7-time flash	37	Outdoor heat exchanger sensor is abnormal	Outdoor heat exchanger sensor wire is disconnected. Connector connections are poor. Outdoor PCB is faulty.	−55°C or lower is detected for 5 seconds continuously 3 times within 40 minutes after initial detection of this anomalous temperature. Or−55°C lower is detected for 5 seconds continuously within 20 seconds after power ON.	(3 times)	0				
	8-time flash	38	Outdoor air temperature sensor is abnormal	Outdoor air temperature sensor wire is disconnected. Connector connections are poor. Outdoor PCB is faulty.	-55°C or lower is detected for 5 seconds continuously 3 times within 40 minutes after initial detection of this anomalous temperature. 0r-55°C lower is detected for 5 seconds continuously within 20 seconds after power ON.	(3 times)	0				
	9-time flash	39	Discharge pipe sensor is abnormal (anomalous stop)	Discharge pipe sensor wire is disconnected. Connector connections are poor. Outdoor PCB is faulty.	-25°C or lower is detected for 5 seconds continuously 3 times within 40 minutes after intial detection of this anomalous temperature.	(3 times)	0				
	OFF	40	Service valve (gas side) closed operation	Service valve (gas side) closed Outdoor PCB is faulty.	If the inverter output current value exceeds the setting value within 80 seconds after the compressor ON in the heating mode, the compressor stops.	(2 times)	0				
4-time flash	2-time flash	42	Current cut	Compressor lock. Compressor wiring short circuit. Compressor output is open phase.		(2 times)	0				
	7-time flash	47	Active filter voltage error	Defective active filter.	When the wrong voltage connected for the power source. When the outdoor PCB is faulty.	0	_				
	8-time flash	48	Outdoor unit's fan motor is abnormal	Outdoor fan motor is faulty. Connector connections are poor. Outdoor PCB is faulty.	When a fan speed of 75 min ⁻¹ or lower continues for 30 seconds or longer.	(3 times)	0				
	1-time flash	51	Short-circuit in the power transistor (high side) Current cut circuit breakdown	Outdoor PCB is faulty. Power transistor is damaged.	When it is judged that the power transistor was damaged at the time the compressor started.	0	-				
	7-time flash	57	Refrigeration cycle system protective control	Service valve is closed. Refrigerant is insufficient.	When refrigeration cycle system protective control operates.	(3 times)	0				
5-time flash	8-time flash	58	Current safe	Refrigerant is overcharge. Compressor lock. Overload operation.	When there is a current safe stop during operation.		0				
	9-time flash	59	Compressor wiring is unconnection Voltage drop Low speed protective control	Compressor wiring is disconnected. Power transistor is damaged. Power source construction is defective. Outdoor PCB is faulty. Compressor is faulty.	When the current is 1A or less at the time the compressor started. When the power source voltage drops during operation. When the compressor command speed is 1 ower than 32 rps for 60 minutes.		0				
	OFF	60	Rotor lock	Compressor is faulty. Compressor output is open phase. Electronic expansion valve is faulty. Overload operation. Outdoor PCB is faulty.	After the compressor starts, when the compressor stops due to rotor lock.	(2 times)	0				
6-time flash	1-time flash	61	Connection lines between the indoor and outdoor units are faulty	Connection lines are faulty. Indoor or outdoor PCB are faulty.	When 10 seconds passes after the power is turned on without communications signals from the indoor or outdoor unit being detected correctly.	0	-				
	2-time flash	62	Serial transmission error	Indoor or outdoor PCB are faulty. Noise is causing faulty operation.	When 7 minutes 35 seconds passes without communications signals from either the outdoor unit or the indoor unit being detected correctly.		_				
	OFF	80	Indoor unit's fan motor is abnormal	Indoor fan motor is faulty. Connector connections are poor. Indoor PCB is faulty.	oor fan motor is faulty. mector connections are poor. When the indoor unit's fan motor is detected to be running at 300 min ¹ or lower speed with the fan motor in the ON		_				
	2-time flash	82	Indoor heat exchanger sensor is abnormal (anomalous stop)	Index r Connected. Connected. Connector connections are poor. (the compressor stops).		0	-				
8-time flash	4-time flash	84	Anti-condensation control	High humidity condition. Humidity sensor is faulty.	Anti-condensation prevention control is operating.	_	0				
	5-time flash	85	Anti-frost control	Indoor unit fan speed drops. Indoor heat exchanger sensor is broken wire.	When the anti-frost control operates and the compressor stops during cooling operation.	_	0				
	6-time flash	86	Heating high pressure control	Heating overload operation. Indoor unit fan speed drops. Indoor heat exchanger sensor is short-circuit.	When high pressure control operates during heating operation and the compressor stops.	-	0				

(c) Error code, stop code table (Assignment of error codes and stop codes is done in common for all models.)

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Notes (1) The number of flashes when in the service mode do not include the 1.5 second period when the lights light up at first (start signal). (See the example shown below.)



(ii) Fan speed mode

(3) Auto Recovery:

Does not occur
 Auto recovery occurs.

(d) Operation mode, Fan speed mode information tables

(i) Operation mode

Display pattern when in service mode	Operation mode when there is an
RUN light (10's digit)	abnormal stop
_	AUTO
1-time flash	DRY
2-time flash	COOL
3-time flash	FAN
4-time flash	HEAT

Display pattern when in service mode	Fan speed mode when					
TIMER light (1's digit)	there is an abnormal stop					
_	AUTO					
2-time flash	HI					
3-time flash	MED					
4-time flash	LO					
5-time flash	ULO					
6-time flash	HI POWER					
7-time flash	ECONO					

* If no data are recorded (error code is normal), the information display in the operation mode and fan speed mode becomes as follows.

Mode	Display when error code is normal.					
Operation mode	AUTO					
Fan speed mode	AUTO					

(Example): Operation mode: COOL, Fan speed mode: HI



(e) Temperatare information

(i) Room temperature sensor, indoor heat exchanger sensor, outdoor air temperature sensor, outdoor heat exchanger sensor temperature

		_	_				_	_		U	nit: °C
RUN lig (10's di Buzzer sound	TIMER light (1's digit) ht git)	0	1	2	3	4	5	6	7	8	9
	6	-60	-61	-62	-63	-64					
	5	-50	-51	-52	-53	-54	-55	-56	-57	-58	-59
	4	-40	-41	-42	-43	-44	-45	-46	-47	-48	-49
Yes (sounds for 0.1 second)	3	-30	-31	-32	-33	-34	-35	-36	-37	-38	-39
(,	2	-20	-21	-22	-23	-24	-25	-26	-27	-28	-29
	1	-10	-11	-12	-13	-14	-15	-16	-17	-18	-19
	0		-1	-2	-3	-4	-5	-6	-7	-8	-9
	0	0	1	2	3	4	5	6	7	8	9
	1	10	11	12	13	14	15	16	17	18	19
	2	20	21	22	23	24	25	26	27	28	29
	3	30	31	32	33	34	35	36	37	38	39
No	4	40	41	42	43	44	45	46	47	48	49
(does not sound)	5	50	51	52	53	54	55	56	57	58	59
	6	60	61	62	63	64	65	66	67	68	69
	7	70	71	72	73	74	75	76	77	78	79
	8	80	81	82	83	84	85	86	87	88	89
-	9	90	91	92	93	94	95	96	97	98	99

* If no data are recorded (error code is normal), the display for each temperature information becomes as shown below.

Sensor name	Sensor value displayed when the error code is normal
Room temperature sensor	-64°C
Indoor heat exchanger sensor	-64°C
Outdoor air temperature sensor	-64°C
Outdoor heat exchanger sensor	-64°C

(Example) Outdoor heat exchanger temperature data: "-9°C"



										Uı	nit: °C
RUN lig (10's di Buzzer sound	TIMER light (1's digit) ht git)	0	1	2	3	4	5	6	7	8	9
	3	-60	-62	-64							
Yes	2	-40	-42	-44	-46	-48	-50	-52	-54	-56	-58
(sounds for 0.1 second)	1	-20	-22	-24	-26	-28	-30	-32	-34	-36	-38
	0		-2	-4	-6	-8	-10	-12	-14	-16	-18
	0	0	2	4	6	8	10	12	14	16	18
	1	20	22	24	26	28	30	32	34	36	38
	2	40	42	44	46	48	50	52	54	56	58
No	3	60	62	64	66	68	70	72	74	76	78
(does not sound)	4	80	82	84	86	88	90	92	94	96	98
	5	100	102	104	106	108	110	112	114	116	118
	6	120	122	124	126	128	130	132	134	136	138
	7	140	142	144	146	148	150				

(ii) Discharge pipe sensor temperature

* If no data are recorded (error code is normal), the display for each temperature information becomes as shown below.

Sensor name	Sensor value displayed when the error code is normal
Discharge pipe sensor	-64°C

(Example) Discharge pipe temperature data: "122°C"

* In the case of discharge pipe data, multiply the reading value by 2. (Below, $61 \times 2 = (122^{\circ}C)$)



Service data record form

Customer				Model				
Date of inv	-				_			
Machine na								
Content of	complaint							
Wireless r	emote contro		Content of displayed d	ata		Display resul		Display conten
Temperature setting	Operation mode	Fan speed mode	· ·		Buzzer (Yes/No.)	RUN light (Times)	TIMER light (Times)	1.5
		MED	Error code on previous occasion.					
	Cooling	HI	Room temperature sensor on previous occasi	on.				
		AUTO	Indoor heat exchanger sensor 1 on previous o					
21		LO	Wireless remote control information on previ					
Heating	Heating	MED	Outdoor air temperature sensor on previous o					
	0	HI	Outdoor heat exchanger sensor on previous o	ccasion.				
	a	AUTO	Discharge pipe sensor on previous occasion.					
26	Cooling	AUTO	Indoor heat exchanger sensor 2 on previous o	ccasion.				
	a	MED	Error code on second previous occasion.					
	Cooling	HI	Room temperature sensor on second previous					
		AUTO	Indoor heat exchanger sensor 1 on second prev					
22		LO	Wireless remote control information on second					
	Heating	MED	Outdoor air temperature sensor on second pre					
	meaning	HI	Outdoor heat exchanger sensor on second pre		_			
		AUTO	Discharge pipe sensor on second previous occ	casion.				
27	Cooling	AUTO	Indoor heat exchanger sensor 2 on second occ	casion.				
		MED	Error code on third previous occasion.					
	Cooling	HI	Room temperature sensor on third previous o		_			
		AUTO	Indoor heat exchanger sensor 1 on third previ	ous occasion.				
23		LO	Wireless remote control information on third	·				
	Heating	MED	Outdoor air temperature sensor on third previ	ous occasion.	_			
		HI	Outdoor heat exchanger sensor on third previ	ous occasion.	_			
		AUTO	Discharge pipe sensor on third previous occas					
28	Cooling	AUTO	Indoor heat exchanger sensor 2 on third occas	sion.				
		MED	Error code on fourth previous occasion.					
	Cooling	HI	Room temperature sensor on fourth previous	occasion.	_			
		AUTO	Indoor heat exchanger sensor 1 on fourth pre-	vious occasion.				
24		LO	Wireless remote control information on four	th previous occasion.				
	Heating	MED	Outdoor air temperature sensor on fourth prev	vious occasion.				
	manng	HI	Outdoor heat exchanger sensor on fourth prev	rious occasion.	_			
		AUTO	Discharge pipe sensor on fourth previous occ	asion.	_			
29	Cooling	AUTO	Indoor heat exchanger sensor 2 on fouth occa	sion.				
		MED	Error code on fifth previous occasion.					
	Cooling	HI	Room temperature sensor on fifth previous of	casion.				
		AUTO	Indoor heat exchanger sensor 1 on fifth previous	ous occasion.				
25		LO	Wireless remote control information on fifth	*				
	Heating	MED	Outdoor air temperature sensor on fifth previo	ous occasion.	_			
	manng	HI	Outdoor heat exchanger sensor on fifth previo	ous occasion.	_			
		AUTO	Discharge pipe sensor on fifth previous occas	ion.				
30	Cooling	AUTO	Indoor heat exchanger sensor 2 on fifth occas	ion.				
21			Stop code on previous occasion.					
22			Stop code on second previous occasion.					
23			Stop code on third previous occasion.					
24			Stop code on fourth previous occasion.					
25	Cooling	LO	Stop code on fifth previous occasion.					
26	0		Stop code on sixth previous occasion.					
27			Stop code on seventh previous occasion.					
28			Stop code on eighth previous occasion.					
29			Stop code on ninth previous occasion.					
30			Stop code on tenth previous occasion.					I
Judgment								Examiner

Note (1) In the case of indoor heat exchanger sensor 2, match from 26 to 30 the temperature setting of wireless remote control. (Refer to page 83.)

(7) Inspection procedures corresponding to detail of trouble





Current safe stop

Overload operation, compressor







Outdoor fan motor error





'18 • SRK-T-250





Humidity sensor

Humidity sensor assembly

~~~~

element Connector (CNF)

1

0 2 c

#### (8) Phenomenon observed after short-circuit, wire breakage on sensor

# (a) Indoor unit

| Sensor                         | Operation | Phenomenon                                                       |                                                                             |  |  |
|--------------------------------|-----------|------------------------------------------------------------------|-----------------------------------------------------------------------------|--|--|
| 3611501                        | mode      | Short-circuit                                                    | Disconnected wire                                                           |  |  |
| Room temperature               | Cooling   | Release of continuous compressor operation command.              | Continuous compressor operation command is not released.                    |  |  |
| sensor                         | Heating   | Continuous compressor operation command is not released.         | Release of continuous compressor operation command.                         |  |  |
| Heat exchanger<br>sensor       | Cooling   | Freezing cycle system protection trips and stops the compressor. | Continuous compressor operation command is not released.<br>(Anti-frosting) |  |  |
|                                | Heating   | High pressure control mode (Compressor stop command)             | Hot keep (Indoor fan stop)                                                  |  |  |
| Humidity sensor <sup>(1)</sup> | Cooling   | Refer to the table below.                                        | Refer to the table below.                                                   |  |  |
|                                | Heating   | Normal system operation is possible.                             |                                                                             |  |  |

Note (1) SRK35, 50 only.

#### Humidity sensor operation

|                      | Failure mode                     | Control input circuit resding | Air-conditioning system operation      |
|----------------------|----------------------------------|-------------------------------|----------------------------------------|
| cted                 | ① Disconnected wire              |                               |                                        |
| Disconnected<br>wire | ② Disconnected wire              | Humidity reading is 0%        | Anti-condensation control is not done. |
| Dis                  | 12 Disconnected wire             |                               |                                        |
| Short -<br>circuit   | 1) and 2) are shot-<br>circuited | Humidity reading is 100%      | Anti-condensation control keep doing.  |

Remark: Do not perform a continuity check of the humidity sensor with a tester. If DC current is applied, it could damage the sensor.

#### (b) Outdoor unit

| Sensor                            | Operation | Pheno                                                                                                                              | omenon                                                               |
|-----------------------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| Sensor                            | mode      | Short-circuit                                                                                                                      | Disconnected wire                                                    |
| Heat exchanger                    | Cooling   | Compressor stop.                                                                                                                   | Compressor stop.                                                     |
| sensor                            | Heating   | Defrost operation is not performed.                                                                                                | Defrost operation is performed for 10 minutes at approx. 35 minutes. |
| Ourdoor air<br>temperature sensor | Cooling   | The compressor cannot pick up its speed owing to the current safe so that the designed capacity is not achieved.                   | Compressor stop.                                                     |
|                                   | Heating   | The compressor cannot pick up its speed owing to the heating<br>overload protection so that the designed capacity is not achieved. | Defrost operation is performed for 10 minutes at approx. 35 minutes. |
| Discharge pipe<br>sensor          | All modes | Compressor overload protection is disabled.<br>(Can be operated.)                                                                  | Compressor stop.                                                     |

## (9) Checking the indoor electrical equipment

## (a) Indoor PCB check procedure





## (b) Indoor unit fan motor check procedure

This is a diagnostic procedure for determining if the indoor unit's fan motor or the indoor PCB is broken down.

# 1) Indoor PCB output check

- a) Turn off the power.
- b) Remove the front panel, then disconnect the fan motor lead wire connector.
- c) Turn on the power. If the unit operates when the ON/OFF button is pressed, if trouble is detected after the voltages in the following figure are output for approximately 30 seconds, it means that the indoor PCB is normal and the fan motor is broken down.

If the voltages in the following figure are not output at connector pins No. (1), (4) and (5), the indoor PCB has failed and the fan motor is normal.



#### 2) Fan motor resistance check

| Measuring point           | Resistance when normal  |
|---------------------------|-------------------------|
| ① - ③ (Red - Black)       | 20 M $\Omega$ or higher |
| (4) - (3) (White - Black) | 20 k $\Omega$ or higher |

- Notes (1) Remove the fan motor and measure it without power connected to it. (2) If the measured value is below the value when the motor is normal, it means
  - (2) If the measured value is below the value when the motor is normal, it means that the fan motor is faulty.

#### (10) How to make sure of wireless remote control



Simplified check method of wireless remote control It is normal if the signal transmission section of the wireless remote control emits a whitish light at each transmission on the monitor of digital camera.

(11) Inspection procedure for blown fuse on the indoor and outdoor PCB



# (12) Outdoor unit inspection points Models SRC20ZS-W, 25ZS-W, 35ZS-W

# Check point of outdoor unit



## Model SRC50ZS-W

#### Check point of outdoor unit



#### (a) Inspection of electronic expansion valve

Electronic expansion valve operates for approx. 10 seconds after the power on, in order to determine its aperture. Check the operating sound and voltage during the period of time. (Voltage cannot be checked during operation in which only the aperture change occurs.)

(i) If it is heard the sound of operating electronic expansion valve, it is almost normal.

(ii) If the operating sound is not heard, check the output voltage.



Approx. DC5V is detected for 10 seconds after the power on.

(iii) If voltage is detected, the outdoor PCB is normal.

(iv) If the expansion valve does not operate (no operating sound) while voltage is detected, the expansion valve is defective.

#### • Inspection of electronic expansion valve as a separate unit

Measure the resistance between terminals with an analog tester.

| Measuring point | Resistance when normal |
|-----------------|------------------------|
| 1-6             |                        |
| 1-5             | $46\pm4\Omega$         |
| 1-4             | (at 20°C)              |
| 1-3             | ]                      |

#### (b) Outdoor unit fan motor check procedure

• When the outdoor unit fan motor error is detected, diagnose which of the outdoor unit fan motor or outdoor PCB is defective.

- Diagnose this only after confirming that the indoor unit is normal.
- (i) Outdoor PCB output check
- 1) Turn off the power.
- 2) Disconnect the outdoor unit fan motor connector CNFAN.

3) When the indoor unit is operated by inserting the power source plug and pressing (ON) the backup switch for more than 5 seconds, if the voltage of pin No. ② in the following figure is output for 30 seconds at 20 seconds after turning "ON" the backup switch, the outdoor PCB is normal but the fan motor is defective.

If the voltage is not detected, the outdoor PCB is defective but the fan motor is normal.

Note (1) The voltage is output 3 times repeatedly. If it is not detected, the indoor unit displays the error message.



| (ii) Fan motor resistance che |
|-------------------------------|
|-------------------------------|

| Measuring point       | Resistance when normal  |
|-----------------------|-------------------------|
| 6 - 4 (Red - Black)   | 20 M $\Omega$ or higher |
| ③ - ④ (White - Black) | 20 k $\Omega$ or higher |

Notes (1) Remove the fan motor and measure it without power connected to it.

(2) If the measured value is below the value when the motor is normal, it means that the fan motor is faulty.

# **11. OPTION PARTS**

(1) Wired remote control (a) Model RC-EX3A

# 1. Safety precautions

Please read this manual carefully before starting installation work to install the unit properly. Every one of the followings is important information to be observed strictly.

| <u>∕</u> | Failure to follow these instructions properly may result in serious consequences such as death, severe injury, etc. |
|----------|---------------------------------------------------------------------------------------------------------------------|
|          | Failure to follow these instructions properly may cause injury or property damage.                                  |

It could have serious consequences depending on the circumstances.

•The following pictograms are used in the text.



Never do.



Always follow the instructions given.

Keep this manual at a safe place where you can consult with whenever necessary. Show this manual to installers when moving or repairing the unit. When the ownership of the unit is transferred, this manual should be given to a new owner.

# **WARNING**

| 0          | Consult your dealer or a professional contractor to install the unit.<br>Improper installation made on your own may cause electric shocks, fire or dropping of the unit.                                    |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0          | Installation work should be performed properly according to this installation manual.<br>Improper installation work may result in electric shocks, fire or break-down.                                      |
| 0          | Be sure to use accessories and specified parts for installation work.<br>Use of unspecified parts may result in drop, fire or electric shocks.                                                              |
| 0          | Install the unit properly to a place with sufficient strength to hold the weight.<br>If the place is not strong enough, the unit may drop and cause injury.                                                 |
| 0          | Be sure to have the electrical wiring work done by qualified electrical installer, and use exclusive circuit.<br>Power source with insufficient and improper work can cause electric shock and fire.        |
| 0          | Shut OFF the main power source before starting electrical work.<br>Otherwise, it could result in electric shocks, break-down or malfunction.                                                                |
| $\bigcirc$ | <b>Do not modify the unit.</b><br>It could cause electric shocks, fire, or break-down.                                                                                                                      |
| 0          | Be sure to turn OFF the power circuit breaker before repairing/<br>inspecting the unit.<br>Repairing/inspecting the unit with the power circuit breaker turned ON could cause<br>electric shocks or injury. |

|            | <u>∕</u> MARNING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
| $\bigcirc$ | Do not install the unit in appropriate environment or where<br>inflammable gas could generate, flow in, accumulate or leak.<br>If the unit is used at places where air contains dense oil mist, steam, organic solvent vapor,<br>corrosive gas (ammonium, sulfuric compound, acid, etc) or where acidic or alkaline<br>solution, special spray, etc. are used, it could cause electric shocks, break-down, smoke or<br>fire as a result of significant deterioration of its performance or corrosion. |  |  |  |  |
| $\bigcirc$ | Do not install the unit where water vapor is generated excessively or condensation occurs.<br>It could cause electric shocks, fire, or break-down.                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |
| $\bigcirc$ | Do not use the unit in a place where it gets wet, such as laundry room.<br>It could cause electric shocks, fire, or break-down.                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |
| $\bigcirc$ | Do not operate the unit with wet hands.<br>It could cause electric shocks.                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |  |
| $\bigcirc$ | <b>Do not wash the unit with water.</b><br>It could cause electric shocks, fire, or break-down.                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |
|            | Use the specified cables for wiring, and connect them securely with care to protect electronic parts from external forces.<br>Improper connections or fixing could cause heat generation, fire, etc.                                                                                                                                                                                                                                                                                                  |  |  |  |  |
| 0          | Seal the inlet hole for remote control cable with putty.<br>If dew, water, insect, etc. enters through the hole, it could cause electric shocks, fire or break-down.<br>If dew or water enters the unit, it may cause screen display anomalies.                                                                                                                                                                                                                                                       |  |  |  |  |
| 0          | When installing the unit at a hospital, telecommunication facility, etc., take measures to suppress electric noises. It could cause malfunction or break-down due to hazardous effects on the inverter, private power generator, high frequency medical equipment, radio communication equipment, etc. The influences transmitted from the remote control to medical or communication equipment could disrupt medical activities, video broadcasting or cause noise interference.                     |  |  |  |  |
| 0          | <b>Do not leave the remote control with its upper case removed.</b><br>If dew, water, insect, etc. enters through the hole, it could cause electric shocks, fire or break-down.                                                                                                                                                                                                                                                                                                                       |  |  |  |  |

| ▲ CAUTION                                                                                                                                   |               |
|---------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| Do not install the remote control at following places.<br>(1) It could cause break-down or deformation of remote control.                   |               |
| Where it is exposed to direct sunlight                                                                                                      | 1             |
| <ul> <li>Where the ambient temperature becomes 0 °C or below, or 40 °C or a</li> <li>Where the surface is not flat</li> </ul>               | above         |
| <ul> <li>Where the strength of installation area is insufficient</li> </ul>                                                                 |               |
| (2) Moisture may be attached to internal parts of the remote control, resulting<br>display failure.                                         | ng in a       |
| <ul> <li>Place with high humidity where condensation occurs on the remote conversion.</li> <li>Where the remote control gets wet</li> </ul> | ontrol        |
| (3) Accurate room temperature may not be detected using the temperature<br>remote control.                                                  | sensor of the |
| <ul> <li>Where the average room temperature cannot be detected</li> </ul>                                                                   |               |
| <ul> <li>Place near the equipment to generate heat</li> </ul>                                                                               |               |
| <ul> <li>Place affected by outside air in opening/closing the door</li> </ul>                                                               |               |
| <ul> <li>Place exposed to direct sunlight or wind from air-conditioner</li> </ul>                                                           |               |
| Where the difference between wall and room temperature is large                                                                             |               |
| To connect to a personal computer via USB, use the dedica                                                                                   | ated          |
| software.                                                                                                                                   |               |
| Do not connect other USB devices and the remote control a                                                                                   | at the        |
| Same time.                                                                                                                                  |               |
| It could cause malfunction or break-down of the remote control/personal co                                                                  | mputer.       |

# 2. Accessories & Prepare on site

#### Following parts are provided.

Accessories R/C main unit, wood screw (ø3.5 x 16) 2 pcs, Quick reference

Following parts are arranged at site. Prepare them according to the respective installation procedures.

| Item name                                                                                        | Q'ty        | Remark                                                     |  |
|--------------------------------------------------------------------------------------------------|-------------|------------------------------------------------------------|--|
| Switch box<br>For 1 piece or 2 pieces (JIS C 8340 or equivalent)                                 | 1           |                                                            |  |
| Thin wall steel pipe for electric<br>appliance directly on a wall.<br>(JIS C 8305 or equivalent) | As required | These are not required when installing directly on a wall. |  |
| Lock nut, bushing (JIS C 8330 or equivalent)                                                     | As required |                                                            |  |
| Lacing (JIS C 8425 or equivalent)                                                                | As required | Necessary to run R/C cable on the wall.                    |  |
| Putty                                                                                            | Suitably    | For sealing gaps                                           |  |
| Molly anchor                                                                                     | As required |                                                            |  |
| R/C cable (0.3 mm <sup>2</sup> x 2 pcs)                                                          | As required | See right table when longer than 100 m                     |  |

When the cable length is longer than 100 m, the max size for wires used in the R/C case is 0.5 mm<sup>2</sup>. Connect them to wires of larger size near the outside of R/C. When wires are connected, take measures to prevent water, etc. from entering inside.

| ≦ 200 m | 0.5 mm <sup>2</sup> x 2 cores  |
|---------|--------------------------------|
| ≦ 300m  | 0.75 mm <sup>2</sup> x 2 cores |
| ≦ 400m  | 1.25 mm <sup>2</sup> x 2 cores |
| ≦ 600m  | 2.0 mm <sup>2</sup> x 2 cores  |

# 3. Installation place

Secure the installation space shown in the figure.

For the installation method, "embedding wiring" or "exposing wiring" can be selected.

For the wiring direction, "Backward", "Upper center" or "Upper left" can be selected.

Determine the installation place in consideration of the installation method and wiring direction.

## Installation space



# 4. Installation procedure

Perform installation and wiring work for the remote control according to the following procedure.

Dimensions (Viewed from front)



To disassemble the R/C case into the upper and lower pieces after assembling them once

 $\cdot$  Insert the tip of flat head screwdriver or the like in the recess at the lower part of R/C and twist it lightly to remove. It is recommended that the tip of the screwdriver be wrapped with tape to avoid damaging the case.

Take care to protect the removed upper case from moisture or dust.

In case of embedding wiring

(When the wiring is retrieved "Backward")

① Embed the switch box and the R/C wires beforehand.

Seal the inlet hole for the R/C wiring with putty.



② When wires are passed through the bottom case, fix the bottom case at 2 places on the switch box.



Wiring hole on

bottom case

- ③ Connect wires from X and Y terminals of R/C to X and Y terminals of indoor unit. R/C wires (X, Y) have no polarity. Fix wires such that the wires will run around the terminal screws on the top case of R/C.
- ④ Install the upper case with care not to pinch wires of R/C.

# Cautions for wire connection

Use wires of no larger than 0.5 mm<sup>2</sup> for wiring running through the remote control case. Take care not to pinch the sheath.

Tighten by hand  $(0.7 \text{ N} \cdot \text{m or less})$  the wire connection. If the wire is connected using an electric driver, it may cause failure or deformation.

In case of exposing wiring

(When the wiring is taken out from the "upper center" or "upper left" of R/C)

1 Cut out the thin wall sections on the cases for the size of wire.

When taking the wiring out from the upper center, open a hole before separating the upper and bottom cases. This will reduce risk of damaging the PCB and facilitate subsequent work.

When taking the wiring out from the upper left, take care not to damage the PCB and not to leave any chips of cut thin wall inside.



- ② Fix the bottom R/C case on a flat surface with two wood screws.
- ③ In case of the upper center, pass the wiring behind the bottom case. (Hatched section)
- ④ Connect wires from X and Y terminals of R/C to X and Y terminals of indoor unit. R/C wires (X, Y) have no polarity. Fix wires such that the wires will run around the terminal screws on the top case of R/C.
- (5) Install the top case with care not to pinch wires of R/C.
- 6 Seal the area cut in 1 with putty.



# 5. Main/Sub setting when more than one remote control are used

Up to two units of R/C can be used at the maximum for 1 indoor unit or 1 group.

One is main R/C and the other is sub R/C.

Operating range is different depending on the main or sub R/C.



| R/C operations                                                                                   |                                            |                                    |   | Sub |
|--------------------------------------------------------------------------------------------------|--------------------------------------------|------------------------------------|---|-----|
| Run/Stop, Change set temp.,<br>Change flap direction, Auto swing, Change fan<br>speed operations |                                            |                                    |   | 0   |
|                                                                                                  |                                            | ergy-saving operation              | 0 | 0   |
| Silent mode of                                                                                   | control                                    |                                    | 0 | x   |
| Useful                                                                                           |                                            |                                    |   | х   |
| functions                                                                                        | Anti draft setting                         |                                    |   | х   |
|                                                                                                  | Timer                                      |                                    |   | 0   |
|                                                                                                  | Favorite setting                           |                                    |   | 0   |
|                                                                                                  | Weekly timer                               |                                    |   | х   |
|                                                                                                  | Home leave mode                            |                                    |   | x   |
|                                                                                                  | External ventilation                       |                                    |   | 0   |
|                                                                                                  | Select the language<br>Silent mode control |                                    | 0 | 0   |
|                                                                                                  |                                            |                                    | 0 | x   |
| Energy-saving setting                                                                            |                                            |                                    | 0 | x   |
| Filter                                                                                           | Filter sign r                              | eset                               | 0 | 0   |
| User setting                                                                                     | Initial settings                           |                                    | 0 | 0   |
|                                                                                                  | Administrator settings                     | Permission/<br>Prohibition setting | 0 | ×   |
|                                                                                                  |                                            | Outdoor unit silent<br>mode timer  | 0 | ×   |
|                                                                                                  |                                            | Setting temp. range                | 0 | ×   |
|                                                                                                  |                                            | Temp increment setting             | 0 | ×   |
|                                                                                                  |                                            | Set temp. display                  | 0 | 0   |
|                                                                                                  |                                            | R/C display setting                | 0 | 0   |
|                                                                                                  |                                            | Change administrator password      | 0 | 0   |
|                                                                                                  |                                            | F1/F2 function setting             | 0 | 0   |

|                |                                                                                |                            | ○: operable ×: n              | ot ope | erable |
|----------------|--------------------------------------------------------------------------------|----------------------------|-------------------------------|--------|--------|
| R/C operations |                                                                                |                            |                               |        | Sub    |
| Service        | Installation                                                                   | Installation date          |                               | 0      | x      |
| setting        | settings                                                                       | Compan                     | Company information           |        | 0      |
|                |                                                                                | Test run                   | ·                             | 0      | ×      |
|                |                                                                                | Static pressure adjustment |                               | 0      | x      |
|                |                                                                                | Change                     | auto-address                  | 0      | x      |
|                |                                                                                | Address setting of main IU |                               | 0      | x      |
|                |                                                                                | IU back-                   | up function                   | 0      | x      |
|                |                                                                                | Motion s                   | ensor setting                 | 0      | ×      |
|                | R/C function                                                                   | Main/Su                    | b of R/C                      | 0      | 0      |
|                | settings                                                                       | Return a                   | iir temp.                     | 0      | ×      |
|                |                                                                                | R/C sen                    | sor                           | 0      | x      |
|                |                                                                                | R/C sen                    | sor adjustment                | 0      | x      |
|                |                                                                                | Operatio                   | on mode                       | 0      | x      |
|                |                                                                                | °C/°F                      |                               | 0      | x      |
|                |                                                                                | Fan speed                  |                               | 0      | x      |
|                |                                                                                | External input             |                               | 0      | x      |
|                |                                                                                | Upper/lc                   | Upper/lower flap control      |        | x      |
|                |                                                                                | Left/right flap control    |                               | 0      | ×      |
|                |                                                                                | Ventilation setting        |                               | 0      | x      |
|                |                                                                                | Auto-res                   | tart                          | 0      | х      |
|                | Auto IU settings Service & IU ac Maintenance Next Oper Error displa Savir Spec | Auto temp. setting         |                               | 0      | x      |
|                |                                                                                | Auto fan speed             |                               | 0      | х      |
|                |                                                                                |                            |                               | 0      | x      |
|                |                                                                                | IU address                 |                               | 0      | 0      |
|                |                                                                                | Next service date          |                               | 0      | ×      |
|                |                                                                                | Operation data             |                               | 0      | ×      |
|                |                                                                                | Error<br>display           | Error history                 | 0      | 0      |
|                |                                                                                |                            | Display/erase<br>anomaly data | 0      | ×      |
|                |                                                                                |                            | Reset periodical check        | 0      | 0      |
|                |                                                                                | Saving I                   | U settings                    | 0      | ×      |
|                |                                                                                | Special                    | Erase IU address              | 0      | x      |
|                |                                                                                | settings                   | CPU reset                     | 0      | 0      |
|                |                                                                                |                            | Restore of default setting    | 0      | x      |
|                |                                                                                |                            | Touch panel calibration       | 0      | 0      |
|                |                                                                                | Indoor u                   | nit capacity display          | 0      | ×      |

# Advice: Connection to personal computer

It can be set from a personal computer via the USB port (mini-B). Connect after removing the cover for USB port of upper case. Replace the cover after use. Special software is necessary for the connection. For details, view the web site.



# Advice: Initializing of password

Administrator password (for daily setting items) and

service password (for installation, test run and maintenance) are used.

• The administrator password at factory default is "0000". This setting can be changed (Refer to User's Manual).

If the administrator password is forgotten, it can be initialized by holding down the [F1] and [F2] switches together for five seconds on the administrator password input screen.

• Service password is "9999", which cannot be changed.

When the administrator password is input, the service password is also accepted.



# Advice

When connecting two or more FDT/FDTC to one R/C, unify the panel type either to a panel with anti draft function or a standard panel.
#### (b) Model RC-E5

# PJA012D730 🖻

Read together with indoor unit's installation manual

|   |                                                                                               | <b>WARNING</b>                                                                       |            |  |  |
|---|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------|--|--|
|   | Fasten the wiring to th terminal.                                                             | e terminal securely and hold the cable securely so as not to apply unexpected stress | s on the   |  |  |
|   | Loose connection or h                                                                         | old will cause abnormal heat generation or fire.                                     | U          |  |  |
|   | Make sure the power                                                                           | source is turned off when electric wiring work.                                      |            |  |  |
| - | Otherwise, electric she                                                                       | ock, malfunction and improper running may occur.                                     | U          |  |  |
| _ |                                                                                               |                                                                                      |            |  |  |
|   | Do not install the remo                                                                       | te control at the following places in order to avoid malfunction.                    |            |  |  |
|   | (1) Places exposed to direct sunlight (4) Hot surface or cold surface enough to generate cond |                                                                                      |            |  |  |
|   | (2) Places near heat c                                                                        |                                                                                      | $\sim$     |  |  |
|   | (3) High humidity plac                                                                        | es (6) Uneven surface                                                                | $\bigcirc$ |  |  |
|   | Do not leave the remo                                                                         | te control without the upper case.                                                   | ~          |  |  |
|   | In case the upper cac                                                                         | e needs to be detached, protect the remote control with a packaging box or bag in    | $\sim$     |  |  |
| _ | order to keep it away                                                                         | from water and dust.                                                                 |            |  |  |
|   | Accessories                                                                                   | Remote control, wood screw (ø3.5×16) 2 pieces                                        |            |  |  |
|   | Prepare on site                                                                               | Remote control cord (2 cores) the insulation thickness in 1mm or more.               |            |  |  |
|   |                                                                                               | [In case of embedding cord] Erectrical box, M4 screw (2 pieces)                      |            |  |  |
|   |                                                                                               | [In case of exposing cord] Cord clamp (if needed)                                    |            |  |  |

### Installation procedure

- Open the cover of remote control, and remove the screw under the buttons without fail.
- 2 Remove the upper case of remote control. Insert a flat-blade screwdriver into the dented part of the upper part of the remote control, and wrench slightly.

#### [In case of embedding cord]

③ Embed the erectrical box and remote control cord beforehand.



(4)Prepare two M4 screws (recommended length is 12-16mm) on site, and install the lower case to erectrical box. Choose either of the following two positions in fixing it with screws.





- Connect the remote control cord to the terminal block. Connect the terminal of remote control (X,Y) with the terminal of indoor unit (X,Y). (X and Y are no polarity)
- 6 Install the upper case as before so as not to catch up the remote control cord, and tighten with the screws.

#### [In case of exposing cord]

- You can pull out the remote control cord from left upper part or center upper part. Cut off the upper thin part of remote control lower case with a nipper or knife, and grind burrs with a file etc.
- ④ Install the lower case to the flat wall with attached two wooden screws.



4

S Connect the remote control cord to the terminal block. Connect the terminal of remote control (X,Y) with the terminal of indoor unit (X,Y).

(X and Y are no polarity)

Wiring route is as shown in the right diagram depending on the pulling out direction.



The wiring inside the remote control case should be within  $0.3 \text{mm}^2$  (recommended) to  $0.5 \text{mm}^2$ . The sheath should be peeled off inside the remote control case.

The peeling-off length of each wire is as below.

| Pulling out from upper left | Pulling out from upper center |                        |
|-----------------------------|-------------------------------|------------------------|
| X wiring : 215mm            | X wiring : 170mm              | The peeling-off length |
| Y wiring : 195mm            | Y wiring : 190mm              | of sheath              |

- Install the upper case as before so as not to catch up the remote control cord, and tighten with the screws.
- In case of exposing cord, fix the cord on the wall with cord clamp so as not to slack.

#### Installation and wiring of remote control

- Wiring of remote control should use 0.3mm<sup>2</sup> × 2 core wires or cables. (on-site configuration)
- ② Maximum prolongation of remote control wiring is 600 m.

If the prolongation is over 100m, change to the size below.

But, wiring in the remote control case should be under 0.5mm<sup>2</sup>. Change the wire size outside of the case according to wire connecting. Waterproof treatment is necessary at the wire connecting section. Be careful about contact failure.

| 100 - 200m ······ | ·····0.5mm <sup>2</sup> × 2 cores               |
|-------------------|-------------------------------------------------|
| Under 300m        | $\cdots 0.75$ mm <sup>2</sup> $\times$ 2 cores  |
| Under 400m        | $\dots 1.25 \text{mm}^2 \times 2 \text{ cores}$ |
| Under 600m        | $\dots 2.0$ mm <sup>2</sup> $\times$ 2 cores    |

#### Master/ slave setting when more than one remote controls are used

A maximum of two remote controls can be connected to one indoor unit (or one group of indoor units.)



Set SW1 to "Slave" for the slave remote control. It was factory set to "Master" for shipment.

Note: The setting "Remote control sensor enabled" is only selectable with the master remote control in the position where you want to check room temperature.

The air-conditioner operation follows the last operation of the remote control regardless of the master/ slave setting of it.

#### The indication when power source is supplied

When power source is turned on, the following is displayed on the remote control until the communication between the remote control and indoor unit settled.

| Master remote control : " | ©₩AIT©> | "M |
|---------------------------|---------|----|
| Slave remote control : "  | ®₩AIT©  | "S |

At the same time, a mark or a number will be displayed for two seconds first.

This is the software's administration number of the remote control, not an error cord.



When remote control cannot communicate with the indoor unit for half an hour, the below indication will appear.

Check wiring of the indoor unit and the outdoor unit etc.

**INSPECT I/U** 

#### The range of temperature setting

When shipped, the range of set temperature differs depending on the operation mode as below.

Heating : 16-30°C (55-86°F) Except heating (cooling, fan, dry, automatic) : 18-30°C (62-86°F)

#### •Upper limit and lower limit of set temperature can be changed with remote control.

Upper limit setting: valid during heating operation. Possible to set in the range of 20 to 30°C (68 to 86°F). Lower limit setting: valid except heating (automatic, cooling, fan, dry) Possible to set in the range of 18 to 26°C (62 to 79°F).

When you set upper and lower limit by this function, control as below.

1. When (2) TEMP RANGE SET, remote control function of function setting mode is "INDN CHANGE" (factory setting), [ If upper limit value is set ]

During heating, you cannot set the value exceeding the upper limit.

[ If lower limit value is set ]

During operation mode except heating, you cannot set the value below the lower limit.

2. When 0 TEMP RANGE SET, remote control function of function setting mode is "NO INDN CHANGE"

[ If upper limit value is set ]

During heating, even if the value exceeding the upper limit is set, upper limit value will be sent to the indoor unit. But, the indication is the same as the temperature set.

[ If lower limit value is set ]

During except heating, even if the value lower than the lower limit is set, lower limit value will be sent to the indoor unit. But, the indication is the same as the temperature set.

#### How to set upper and lower limit value

1. Stop the air-conditioner, and press <u>(SET)</u> and <u>(MODE)</u> button at the same time for over three seconds .

The indication changes to "FUNCTION SET ▼".

- 2. Press  $\blacksquare$  button once, and change to the "TEMP RANGE  $\blacktriangle$  " indication.
- 3. Press <u>(SET)</u> button, and enter the temperature range setting mode.
- 4. Select "UPPER LIMIT  $\checkmark$ " or "LOWER LIMIT  $\blacktriangle$ " by using  $\blacktriangle$   $\bigtriangledown$  button.
- 5. Press <u>(SET)</u> button to fix.
- 6. When "UPPER LIMIT ▼ " is selected (valid during heating)
- ① Indication: "  $\bigcirc \lor \land$  SET UP"  $\rightarrow$  "UPPER 30°C  $\lor$  "
  - $\odot$  Select the upper limit value with temperature setting button  $\bigtriangledown$  . Indication example: "UPPER 26°C  $\lor \land$ " (blinking)

③ Press <u>○</u>(SET) button to fix. Indication example: "UPPER 26°C" (Displayed for two seconds) After the fixed upper limit value displayed for two seconds, the indication will return to "UPPER LIMIT ▼".

- 7. When "LOWER LIMIT **A**" is selected (valid during cooling, dry, fan, automatic)
  - ① Indication: " $b \lor \land$  SET UP" → "LOWER 18°C  $\land$ "
  - O Select the lower limit value with temperature setting button  $\fbox{O}$ . Indication example: "LOWER 24°C  $\lor \land$ " (blinking)
  - ③ Press (SET) button to fix. Indication for example: "LOWER 24°C" (Displayed for two seconds) After the fixed lower limit value displayed for two seconds, the indication will return to "LOWER LIMIT ▼".
- 8. Press ON/OFF button to finish.



|                                                                 |                                     | () ", se | your desired setting as for the selected item.                                                                                                                                               |       |
|-----------------------------------------------------------------|-------------------------------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| procedure of functional set                                     | •                                   | llowing  | Jiagram.                                                                                                                                                                                     |       |
| I of function setting<br>: Stop air-conditioner and p           |                                     | nd       | Record and keep the                                                                                                                                                                          |       |
| "(MODE) buttor<br>: Press "()" (SET) bu                         | is at the same time for o           |          |                                                                                                                                                                                              |       |
| : Press "                                                       |                                     |          |                                                                                                                                                                                              |       |
| : Press 📐 🔽 button.<br>: Press ON/OFF button.                   |                                     |          | Consult the technical data etc. for each control details                                                                                                                                     |       |
| ssible to finish above setting<br>finished change of setting is |                                     |          |                                                                                                                                                                                              |       |
| Initial settings                                                |                                     | C U      | top air-conditioner and press<br>)· (SET) + ⓒ · (MODE) buttons                                                                                                                               |       |
| Automatic criterion                                             |                                     | at the   | same time for over three seconds.                                                                                                                                                            |       |
|                                                                 |                                     |          | FUNCTION SET V                                                                                                                                                                               | To ne |
| TION V (Remote control f                                        | unction)                            |          |                                                                                                                                                                                              |       |
| Function                                                        | unction                             |          |                                                                                                                                                                                              |       |
| 01 600 ESP SET                                                  | setting                             |          | No. Fisher and F. D.D. Fosternel One for Descriment                                                                                                                                          |       |
|                                                                 | -55 MALID<br>-55 MALID<br>-55 MALID | 0        | Validate setting of ESP:External Static Pressure<br>Invalidate setting of ESP                                                                                                                |       |
| 02 AUTO RUN SET                                                 | AUTO RUN ON                         | *        |                                                                                                                                                                                              |       |
| 03 I MENE TEMP SW                                               |                                     |          | Automatical operation is impossible                                                                                                                                                          |       |
|                                                                 | 6년전 VALID<br>6년전 INVALID            | 0        | Temperature setting button is not working                                                                                                                                                    |       |
| 04 📴 MODE SW                                                    | 6년 WALID                            | 0        |                                                                                                                                                                                              |       |
| 05 @ ON/OFF SW                                                  |                                     |          | Mode button is not working                                                                                                                                                                   |       |
|                                                                 | ତେ VALID<br>ଓଡ INVALID              | 0        | On/Off button is not working                                                                                                                                                                 |       |
| 06 SEIFAN SPEED SW                                              | 8년 WALID<br>8년 INWALID              | *        |                                                                                                                                                                                              |       |
| 07 COUVER SW                                                    |                                     | *        | Fan speed button is not working                                                                                                                                                              |       |
|                                                                 | ବଳ WALLO<br>ବଳ INVALID              | *        | Louver button is not working                                                                                                                                                                 |       |
| 08 © TIMER SW                                                   | କୁତ୍ର MALID                         | 0        |                                                                                                                                                                                              |       |
| * 09 ESENSOR SET                                                | 60 INVALID                          |          | Timer button is not working                                                                                                                                                                  |       |
|                                                                 | EISENSOR OFF<br>EISENSOR ON         | 0        | Remote sensor is not working.<br>Remote sensor is working.                                                                                                                                   |       |
|                                                                 | EISENSOR + 3.0%<br>EISENSOR + 2.0%  |          | Remote sensor is working, and to be set for producing +3.0°C increase in temperature.<br>Remote sensor is working, and to be set for producing +2.0°C increase in temperature.               |       |
|                                                                 | EISENSOR + 1.0%<br>EISENSOR - 1.0%  |          | Remote sensor is working, and to be set for producing +1.0°C increase in temperature.<br>Remote sensor is working, and to be set for producing -1.0°C increase in temperature.               |       |
|                                                                 | ESENSOR -2.00<br>ESENSOR -3.00      |          | Remote sensor is working, and to be set for producing -2.0°C increase in temperature.<br>Remote sensor is working, and to be set for producing -3.0°C increase in temperature.               |       |
| 10 AUTO RESTART                                                 | INVALID                             | 10       | n en lote sensor is working, and to be set for producing 40.0 o increase in temperature.                                                                                                     |       |
| * 11   VENT LINK SET                                            | VALID                               |          |                                                                                                                                                                                              |       |
| • vent entropy out                                              | NO VENT                             | 0        | In case of Single split series, by connecting ventilation device to CnT of the                                                                                                               |       |
|                                                                 | VENTLINK                            |          | indoor printed circuit board (in case of VRF series, by connecting it to CnD of the                                                                                                          |       |
|                                                                 |                                     |          | indoor printed circuit board), the operation of ventilation device is linked with the<br>operation of indoor unit.                                                                           |       |
|                                                                 | NO VENT LINK                        |          | In case of Single split series, by connecting ventilation device to CnT of the indoor printed<br>circuit board (in case of VRF series, by connecting it to CnD of the indoor printed circuit |       |
| 12 TEMP RANGE SET                                               |                                     |          | board), you can operate /stop the ventilation device independently by (VENT) button.                                                                                                         |       |
|                                                                 | INDN CHANGE                         | 0        | If you change the range of set temperature, the indication of set temperature<br>will vary following the control.                                                                            |       |
|                                                                 | NO INON CHANGE                      |          | If you change the range of set temperature, the indication of set temperature<br>will not vary following the control, and keep the set temperature.                                          |       |
| 13 I/UFAN                                                       | HI-MID-LO                           | *        | Air flow of fan becomes of <b>*ail - *ai</b> l - <b>*ai</b> l or the four speed of <b>*ail - *ail - *ai</b> l - <b>*ai</b> l.                                                                |       |
|                                                                 | HI-LO<br>HI-MID                     | *        | Air flow of fan becomes of &art-&art).<br>Air flow of fan becomes of &art-&art).                                                                                                             |       |
|                                                                 | 1 FAN SPEED                         | *        | Air flow of fan is fixed at one speed.                                                                                                                                                       |       |
| 14   ≒,⊐POSITION                                                | -                                   |          | If you change the remote control function "14 ㅎ규PUSITION",<br>you must change the indoor function "04 ㅎ규PUSITION" accordingly.                                                               |       |
|                                                                 | 4POSITION STOP<br>FREE STOP         | 0        | You can select the louver stop position in the four.<br>The louver can stop at any position.                                                                                                 |       |
| 15 MODEL TYPE                                                   | HEAT PUNP                           | *        | The louver can stop at any position.                                                                                                                                                         |       |
|                                                                 | COOLING ONLY                        | *        |                                                                                                                                                                                              |       |
| 16 EXTERNAL CONTROL SET                                         | INDIVIDUAL                          | 0        | If you input signal into CnT of the indoor printed circuit board from external, the                                                                                                          |       |
|                                                                 | FOR ALL UNLTS                       | _        | indoor unit will be operated independently according to the input from external.<br>If you input into CnT of the indoor printed circuit board from external, all units which                 |       |
| 17 ROLD TEMP INOLDATION SET                                     |                                     |          | connect to the same remote control are operated according to the input from external.                                                                                                        |       |
|                                                                 | INDICATION OFF<br>INDICATION ON     | 0        | In normal working indication, indoor unit temperature is indicated instead of air flow.                                                                                                      |       |
| 1                                                               |                                     |          | (Only the master remote control can be indicated.)                                                                                                                                           |       |
| 18 * INDICATION                                                 | THINT OF TTOM ON                    | 0        |                                                                                                                                                                                              |       |
| 18 🎘 INDICATION                                                 | INDICATION ON<br>INDICATION OFF     |          | Heating preparation indication should not be indicated.                                                                                                                                      |       |
| 18 XOINDICATION                                                 |                                     |          | Heating preparation indication should not be indicated.<br>Temperature indication is by degree C                                                                                             |       |

Note 1: The initial setting marked "X" is decided by connected indoor and outdoor unit, and is automatically defined as following table.

| Function No.   | Item          | Default      | Model                                                  |
|----------------|---------------|--------------|--------------------------------------------------------|
| Remote control | AUTO RUN SET  | AUTO RUN ON  | "Auto-RUN" mode selectable indoor unit.                |
| function02     |               | AUTO RUN OFF | Indoor unit without "Auto-RUN" mode                    |
| Remote control | ⊠FAN SPEED S₩ | டு 🗷 VALID   | Indoor unit with two or three step of air flow setting |
| function06     |               | டு 📧 INVALID | Indoor unit with only one of air flow setting          |
| Remote control | SET LOUVER SW | ଓ 🖾 VALID    | Indoor unit with automatically swing louver            |
| function07     |               | கன Invalid   | Indoor unit without automatically swing louver         |
| Remote control | 1/U FAN       | HT-#BD-LO    | Indoor unit with three step of air flow setting        |
| function13     |               | HI-10        | Indoor unit with two step of air flow setting          |
|                |               | HT-MED       |                                                        |
|                |               | 1 FAN SPEED  | Indoor unit with only one of air flow setting          |
| Remote control | MODEL TYPE    | heat punp    | Heat pump unit                                         |
| function15     |               | COOLING ONLY | Exclusive cooling unit                                 |

Note 3: As for plural indoor unit, set indoor functions to each master and slave indoor unit. But only master indoor unit is received the setting change of indoor unit function "05 EXTERNAL INPUT" and "06 PERMISSION / PROHIBISHION".

|                                |                                         | it No. are indicated only wh                         | ien                                           |     | Fan                                                    | tan                                              |                                                                  | oor unit air flow se  |                 |                     |
|--------------------------------|-----------------------------------------|------------------------------------------------------|-----------------------------------------------|-----|--------------------------------------------------------|--------------------------------------------------|------------------------------------------------------------------|-----------------------|-----------------|---------------------|
| (Indoor unit function) I/U FUN | CTION A plural inde                     | or units are connected.                              |                                               |     | i di                                                   | ωp                                               | 8adi - 8ai - 8ai - 8ai                                           | Raff - Raff - Raff    | lins - Ims      | Stad - S            |
|                                |                                         | Function                                             |                                               |     |                                                        | STANDARD                                         | UH - Hi - Me - Lo                                                | Hi - Me - Lo          | Hi - Lo         | Hi - N              |
| -                              | I/U000 ▲                                | * 02 FAN SPEED SET                                   | setting                                       |     | FAN<br>SPEED                                           | STANDAND                                         | OTT-TIT-IVIE-LO                                                  | TII - IME - LO        | 111- LO         | 111-1               |
|                                | I/U001 +                                |                                                      | standard                                      | *   | SET                                                    | HIGH                                             | UH - UH - Hi - Me                                                | UH - Hi - Me          | UH - Me         | UH -                |
|                                | 1/002÷                                  |                                                      | HIGH SPEED 1                                  | *   | 021                                                    | SPEED1, 2                                        | UT - UT - TI - Me                                                | OTT-TH-IME            | UIT-INE         | 011-                |
|                                | 1/003 \$                                |                                                      | HI GH SPEED 2                                 |     |                                                        |                                                  | ome indoor unit is "HIGH                                         |                       |                 |                     |
|                                | 1/004 +                                 | * 03 FILTER SIGN SET                                 | INDICATION OF                                 | -   | 4 speed is no                                          | ot able to be                                    | set with wireless remote of                                      | ontrol.               |                 |                     |
|                                |                                         |                                                      | TYPE 1                                        | -   | The filter sign is                                     | indicated af                                     | ter running for 180 hours.                                       |                       |                 |                     |
|                                |                                         |                                                      | TYPE 2                                        |     |                                                        |                                                  | ter running for 600 hours.                                       |                       |                 |                     |
| To set other in                | ndoor unit, press                       |                                                      | TYPE 3                                        |     |                                                        |                                                  | ter running for 1000 hours                                       |                       |                 |                     |
| AIR CON No.                    | button, which                           |                                                      | TYPE 4                                        |     | The filter sign is                                     | s indicated af                                   | ter running for 1000 hours                                       | , then the indoor un  | it will be stop | ped by              |
| allows you to o                | go back to the indo                     | or                                                   |                                               |     | compulsion after                                       |                                                  | -                                                                |                       |                 |                     |
| unit selection                 | screen                                  | 04 - POSITION                                        |                                               |     | If you change the                                      | ne indoor fun                                    | ction "04 🖘 🗃 POSITION                                           |                       |                 |                     |
| (for example:                  | I/U 000 🛦 ).                            |                                                      | 45000774001.0700                              |     |                                                        |                                                  | e control function "14                                           | POSITION " according  | ngly.           |                     |
| (                              | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |                                                      | 4POSITION STOP                                | 0   | You can select                                         | the louver st                                    | op position in the four.                                         |                       |                 |                     |
|                                |                                         | 05 EXTERNAL INPUT                                    | FREE STOP                                     |     | The louver can                                         | stop at any p                                    | oosition.                                                        |                       |                 |                     |
|                                |                                         |                                                      | LEVEL INPUT                                   |     |                                                        |                                                  |                                                                  |                       |                 |                     |
|                                |                                         |                                                      | PULSE INPUT                                   |     |                                                        |                                                  |                                                                  |                       |                 |                     |
|                                |                                         | 06 OPERATION PERMISSION/PERMIBITION                  |                                               | -   |                                                        |                                                  |                                                                  |                       |                 |                     |
|                                |                                         |                                                      | INVALIO                                       |     | 1                                                      |                                                  |                                                                  |                       |                 |                     |
|                                |                                         |                                                      | VALID                                         |     | Permission/prol                                        | hibition contr                                   | ol of operation will be valid                                    | d.                    |                 |                     |
|                                |                                         | * 07 BHERGENCY STOP                                  |                                               |     | 1                                                      |                                                  |                                                                  |                       |                 |                     |
|                                |                                         |                                                      | INVALID                                       | 0   | ]                                                      |                                                  |                                                                  |                       |                 |                     |
|                                |                                         |                                                      | VALID                                         |     | With the VRF s                                         | eries, it is us                                  | ed to stop all indoor units                                      | connected with the    | same outdoor    | unit im             |
|                                |                                         |                                                      |                                               |     |                                                        |                                                  | from remote on-off termin                                        |                       |                 |                     |
|                                |                                         |                                                      |                                               |     |                                                        |                                                  |                                                                  |                       |                 |                     |
|                                |                                         |                                                      |                                               |     |                                                        |                                                  |                                                                  |                       |                 |                     |
|                                |                                         |                                                      | OFFSET +3.0c                                  | _   | To be reset for                                        | producing +3                                     | 3.0°C increase in temperat                                       | ure during heating.   |                 |                     |
|                                |                                         |                                                      | 0FFSET +2.0%<br>0FFSET +1.0%                  | -   | To be reset for                                        | producing +2                                     | 0°C increase in temperat                                         | ure during heating.   |                 |                     |
|                                |                                         | * 08 🔆 SP OFFSET                                     | NO OFFSET                                     | 0   | TO DE reset for                                        | producing + i                                    | .0°C increase in temperat                                        | ure during neating.   |                 |                     |
|                                |                                         |                                                      |                                               |     |                                                        |                                                  |                                                                  |                       |                 |                     |
|                                |                                         |                                                      | OFFSET +2.0%                                  | -   | To be reset pro                                        | ducina 12.0°                                     | C increase in return air ter                                     | moerature of indoor   | unit            |                     |
|                                |                                         |                                                      | OFFSET + 1.5%                                 |     |                                                        |                                                  | C increase in return air tei                                     |                       |                 |                     |
|                                |                                         | * 09 BETURN ALR TEMP                                 | OFFSET +1.0c                                  |     |                                                        |                                                  | C increase in return air tei                                     |                       |                 |                     |
|                                |                                         |                                                      | NO OFFSET                                     | 0   |                                                        |                                                  |                                                                  |                       |                 |                     |
|                                |                                         |                                                      | OFFSET -1.0°c                                 |     | To be reset pro                                        | ducina -1.0°C                                    | C increase in return air ten                                     | nperature of indoor i | unit.           |                     |
|                                |                                         |                                                      | OFFSET -1.5°c                                 |     |                                                        |                                                  | c increase in return air ten                                     |                       |                 |                     |
|                                |                                         |                                                      | OFFSET -2.0%                                  |     |                                                        |                                                  | c increase in return air ten                                     |                       |                 |                     |
|                                |                                         | * <u>10   浜 FAN CONTROL</u>                          |                                               |     |                                                        | -                                                |                                                                  |                       |                 |                     |
|                                |                                         |                                                      | LOW FAN SPEED                                 | 0   | When heating t                                         | hermostat is                                     | OFF, fan speed is low spe                                        | ed.                   |                 |                     |
|                                |                                         |                                                      | set fan speed                                 |     | When heating t                                         | hermostat is                                     | OFF, fan speed is set spe                                        | ed.                   |                 |                     |
|                                |                                         |                                                      | INTERMITTENCE                                 | _   | When besting t                                         | hormostat in                                     | OFF, fan speed is operate                                        | ad intermittently     |                 |                     |
|                                |                                         |                                                      | FAN OFF                                       | -   |                                                        |                                                  | OFF, the fan is stopped.                                         | su intermitternity.   |                 |                     |
|                                |                                         |                                                      |                                               | -   | When the remo                                          | te sensor is v                                   | working, "FAN OFF" is set                                        | automatically.        |                 |                     |
|                                |                                         |                                                      |                                               |     |                                                        |                                                  | the indoor unit's sensor is                                      |                       |                 |                     |
|                                |                                         |                                                      |                                               |     |                                                        |                                                  |                                                                  |                       |                 |                     |
|                                |                                         | * 11 FROST PREVENTION TEMP                           |                                               |     | Change of indo                                         | or heat excha                                    | anger temperature to star                                        | frost prevention co   | ntrol.          |                     |
|                                |                                         |                                                      | TEMP HIGH                                     |     |                                                        |                                                  |                                                                  |                       |                 |                     |
|                                |                                         |                                                      | TEMP LOW                                      | 0   | 1                                                      |                                                  |                                                                  |                       |                 |                     |
|                                |                                         |                                                      |                                               |     |                                                        |                                                  |                                                                  |                       |                 |                     |
|                                |                                         | * 12 FROST PREVENTION CONTROL                        | LEALCONTROL OF                                |     | Working only w                                         |                                                  |                                                                  |                       |                 |                     |
|                                |                                         |                                                      | FAN CONTROL ON<br>FAN CONTROL OFF             | 0   | 10 control frost                                       | prevention, t                                    | he indoor fan tap is raiseo                                      | 1.                    |                 |                     |
|                                |                                         | * 13 DRAIN PUMPLINK                                  | THE CONTROL OF                                |     |                                                        |                                                  |                                                                  |                       |                 |                     |
|                                |                                         |                                                      | \$ <b>0</b>                                   | 10  | Drain pump is r                                        | un durina co                                     | oling and dry                                                    |                       |                 |                     |
|                                |                                         |                                                      | &OAND注<br>&OAND注                              |     |                                                        |                                                  | pling, dry and heating.                                          |                       |                 |                     |
|                                |                                         |                                                      | <b>参心的D</b> 淡的DNN                             |     |                                                        |                                                  | pling, dry, heating and fan                                      |                       |                 |                     |
|                                |                                         |                                                      | <b>⊗oand</b> ≋                                |     |                                                        |                                                  | oling, dry and fan.                                              |                       |                 |                     |
|                                |                                         | * 14 🕸 FAN RENAINING                                 |                                               |     |                                                        | <b>U</b>                                         |                                                                  |                       |                 |                     |
|                                |                                         |                                                      | NO REMAINING                                  | 0   | After cooling is                                       | stopped, the                                     | fan does not perform extr                                        | a operation.          |                 |                     |
|                                |                                         |                                                      | 0.5 HOLR                                      |     | After cooling is                                       | stopped, the                                     | fan perform extra operati                                        | on for half an hour.  |                 |                     |
|                                |                                         |                                                      | 1 HOLR                                        |     |                                                        |                                                  | fan perform extra operati                                        |                       |                 |                     |
|                                |                                         |                                                      | 6 HOUR                                        |     | After cooling is                                       | stopped, the                                     | fan perform extra operation                                      | on for six hours.     |                 |                     |
|                                |                                         | * 15 × FAN REMAINING                                 |                                               |     | Afres have the                                         |                                                  |                                                                  | the fee of the        |                 |                     |
|                                |                                         |                                                      | NO REMAINING                                  |     |                                                        |                                                  | eating thermostat is OFF,                                        |                       |                 |                     |
|                                |                                         |                                                      | 0.5 HOLR<br>2 HOLR                            | +   | After heating is                                       | stopped or h                                     | eating thermostat is OFF,                                        | the fan perform extr  | a operation fo  | or half ar          |
|                                |                                         | 1                                                    | i <u>∠ huur</u><br>6 hour                     | +   | After heating is                                       | stopped of h                                     | eating thermostat is OFF,<br>eating thermostat is OFF,           | the fan perform extr  | a uperation fo  | וו WON<br>סר פוע אי |
|                                |                                         |                                                      | LA URON                                       | _   | niter riedurig is                                      | stopped of I                                     | caung themiostal is UFF,                                         | ure ran periorin ext  |                 | 01 518 110          |
|                                |                                         | * 16 X FAN INTERMITTENCE                             |                                               | 0   | 1                                                      |                                                  |                                                                  |                       |                 |                     |
|                                |                                         | ★ 16                                                 | INC REMAINING                                 | + \ | During heating                                         | is stonned or                                    | heating thermostat is OF                                         | F, the fan perform ir | ntermittent op  | eration             |
|                                |                                         | * 16 X FAN INTERMITTENCE                             | NO REMAINING                                  |     |                                                        | is stopped of                                    |                                                                  |                       |                 |                     |
|                                |                                         | * 16   × FAN INTERMITTENCE                           | <u>no remaining</u><br>2011nOFF suinON        |     | with low fan spe                                       | eed after twe                                    | nty minutes' OFF.                                                |                       |                 |                     |
|                                |                                         | * 16   * FAN INTERMITTENCE                           | 20minOFF SminON                               |     | with low fan spe<br>During heating                     | eed after twe<br>is stopped or                   | nty minutes' OFF.<br>heating thermostat is OF                    | F, the fan perform ir | ntermittent op  | eration f           |
|                                |                                         |                                                      |                                               |     | with low fan spe                                       | eed after twe<br>is stopped or                   | nty minutes' OFF.<br>heating thermostat is OF                    | F, the fan perform ir | ntermittent op  | eration             |
|                                |                                         | * 16  * FAN INTERNITTENCE <br>* 17  PRESSURE CONTROL | 20minOFF sminON<br>sminOFF sminON             |     | with low fan spe<br>During heating                     | eed after twe<br>is stopped or                   | nty minutes' OFF.<br>heating thermostat is OF                    | F, the fan perform ir | ntermittent op  | eration             |
|                                |                                         |                                                      | 20minOFF swinON<br>swinDFF swinDN<br>STANDARD |     | with low fan spe<br>During heating<br>with low fan spe | eed after twe<br>is stopped or<br>eed after five | nty minutes' OFF.<br>• heating thermostat is OF<br>minutes' OFF. |                       |                 | eration f           |
| us page                        |                                         |                                                      | 20minOFF sminON<br>sminOFF sminON             | *   | with low fan spe<br>During heating<br>with low fan spe | eed after twe<br>is stopped or<br>eed after five | nty minutes' OFF.<br>heating thermostat is OF                    |                       |                 | eratior             |

| Hov | v to set function                                                                                            | Operation message                                                                  |
|-----|--------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| 1.  | Stop air-conditioner and press (SET) (MODE)                                                                  | Function description:  B, Function No.  A                                          |
| 1.  | buttons at the same time for over three seconds, and the                                                     |                                                                                    |
|     | "FUNCTION SET <b>v</b> " will be displayed.                                                                  |                                                                                    |
|     |                                                                                                              |                                                                                    |
|     | FUNCTION SET                                                                                                 | Fixing button                                                                      |
|     |                                                                                                              | AUTO RUN SET                                                                       |
| 2.  | Press O (SET) button.                                                                                        | TEMP DOMOFF                                                                        |
| 3.  | Make sure which do you want to set, "🗏 FUNCTION 🔻 "                                                          |                                                                                    |
|     | (remote control function) or "I/U FUNCTION ▲" (indoor unit                                                   |                                                                                    |
|     | function).                                                                                                   |                                                                                    |
| 4.  | Press 🔺 or 💌 button.                                                                                         |                                                                                    |
|     | Selecct "■ FUNCTION ▼" (remote control function) or "I/U                                                     |                                                                                    |
|     | FUNCTION <b>A</b> " (indoor unit function).                                                                  |                                                                                    |
|     |                                                                                                              | Indoor unit selection button Previous screen button                                |
|     | E FUNCTION V                                                                                                 |                                                                                    |
| 5.  | Press () (SET) button.                                                                                       |                                                                                    |
| 0.  |                                                                                                              |                                                                                    |
|     | -                                                                                                            |                                                                                    |
| 6.  | [On the occasion of remote control function selection]                                                       | [On the occasion of indoor unit function selection]                                |
|     | ① "DATA LOADING" (Indication with blinking)                                                                  | <ol> <li>"DATA LOADING" (Blinking for 2 to 23 seconds to read the data)</li> </ol> |
|     |                                                                                                              |                                                                                    |
|     | Display is changed to "01 也⊠⊠ ESP SET".                                                                      | Indication is changed to "02 FAN SPEED SET".<br>Go to ②.                           |
|     | ② Press ▲ or ▼ button.                                                                                       | G0 10 ②.                                                                           |
|     | "No. and function" are indicated by turns on the remote control                                              | [Note]                                                                             |
|     | function table, then you can select from them.                                                               | (1) If plural indoor units are connected to a remote control, the                  |
|     | (For example)                                                                                                | indication is "I/U 000" (blinking) $\leftarrow$ The lowest number of the           |
|     | Function No.                                                                                                 | indoor unit connected is indicated.                                                |
|     |                                                                                                              |                                                                                    |
|     | Punction                                                                                                     | 1∕0000 ▲                                                                           |
|     | ③ Press ()(SET) button.                                                                                      |                                                                                    |
|     | The current setting of selected function is indicated.                                                       | (2) Press 🗻 or 💌 button.                                                           |
|     | (for example) "AUTO RUN ON" $\leftarrow$ If "02 AUTO RUN SET" is                                             | Select the number of the indoor unit you are to set.                               |
|     | selected                                                                                                     | If you select "ALL UNIT ▼", you can set the same setting with                      |
|     | 02                                                                                                           | all unites.                                                                        |
|     | AUTO RUN ON <                                                                                                | (3) Press (SET) button.                                                            |
|     |                                                                                                              | Press  or  button.                                                                 |
|     | <sup>④</sup> Press  or  button.                                                                              | "No. and function" are indicated by turns on the indoor unit function              |
|     | Select the setting.                                                                                          | table, then you can select from them.                                              |
|     |                                                                                                              | (For example)                                                                      |
|     |                                                                                                              |                                                                                    |
|     | AUTO RUN ON                                                                                                  | Function No.                                                                       |
|     |                                                                                                              | FAN SPEED SET                                                                      |
|     |                                                                                                              | ③ Press (SET) button.                                                              |
|     | AUTO RUN OFF                                                                                                 | The current setting of selected function is indicated.                             |
|     | S Press ()(SET)                                                                                              | (For example) "STANDARD" ← If "02 FAN SPEED SET" is                                |
|     | "SET COMPLETE" will be indicated, and the setting will be                                                    | selected.                                                                          |
|     | completed.                                                                                                   | <b>C</b> 2                                                                         |
|     | Then after "No. and function" indication returns, Set as the                                                 | STANDARD < Setting                                                                 |
|     | same procedure if you want to set continuously ,and if to                                                    |                                                                                    |
|     | finish, go to 7.                                                                                             | ④ Press ▲ or ▼ button.                                                             |
|     |                                                                                                              | Select the setting.                                                                |
|     | SET COMPLETE                                                                                                 | S Press (SET) button.                                                              |
| 1   |                                                                                                              | "SET COMPLETE" will be indicated, and the setting will be                          |
|     |                                                                                                              | completed.                                                                         |
|     |                                                                                                              | Then after "No. and function" indication returns, set as the same                  |
| 7.  | Press ON/OFF button.                                                                                         | procedure if you want to set continuously , and if to finish, go to 7.             |
|     | Setting is finished.                                                                                         | <b>D</b> 2                                                                         |
|     |                                                                                                              | SET COMPLETE                                                                       |
|     |                                                                                                              |                                                                                    |
|     |                                                                                                              | * When plural indoor units are connected to a remote control, press                |
|     |                                                                                                              | the <u>AIR CON No.</u> button, which allows you to go back to the                  |
|     |                                                                                                              | indoor unit selection screen. (example "I/U 000 ▲")                                |
|     |                                                                                                              |                                                                                    |
|     | <ul> <li>It is possible to finish by pressing ON/OFF button</li> </ul>                                       | n on the way, but unfinished change of setting is                                  |
|     | unavailable.                                                                                                 | an you return to the provinue coreor                                               |
|     | During setting, if you press (//)(RESET) buttle     Setting is generatized in the control and it is accurate |                                                                                    |
|     | Setting is memorized in the control and it is saved                                                          | independently of power failure.                                                    |
| 1   |                                                                                                              |                                                                                    |
|     | [ How to check the current setting ]                                                                         |                                                                                    |
|     |                                                                                                              | by the previous operation, the "Setting" displayed first is the current            |
|     | setting.                                                                                                     | - · ·                                                                              |
|     | (But, if you select "ALL UNIT $igvee$ ", the setting of the lowest num                                       | ber indoor unit is displayed.)                                                     |
|     |                                                                                                              |                                                                                    |

## (c) Operation and setting from wired remote control

Blank : Not compatible - : No function on remote control O : Correspondence

| ~           |   |                    |
|-------------|---|--------------------|
| $\triangle$ | : | Corresponding part |

|                                                                                                                                                             | & display item                                                                                                                                                                       | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | RC-EX3A     | RC-I |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------|
| emote control network<br>Control plural indoor un                                                                                                           | its by a single remote control                                                                                                                                                       | A remote control can control plural indoor units up to 16 (in one group of remote control network).<br>An address is set to each indoor unit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0           | 0    |
| Main/sub setting of remo                                                                                                                                    | ste controls                                                                                                                                                                         | A pair of remote controls (including optional wireless remote control) can be connected within the remote control network. Set one to "Main" and the other to "Sub".                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0           | 0    |
| OP scrren, Switch manip                                                                                                                                     | alation                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |      |
| Menu                                                                                                                                                        |                                                                                                                                                                                      | "Control", "State", or "Details" can be selected. (3-8)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0           | -    |
| Operation mode<br>Set temp.                                                                                                                                 |                                                                                                                                                                                      | "Cooling", "Heating", "Fan", "Dry" or "Auto" can be set.<br>"Set temperature" can be set by 0.5°C interval.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0           |      |
| Air flow direction                                                                                                                                          |                                                                                                                                                                                      | "Air flow direction" [Individual flap control] can be set.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |             |      |
| All now direction                                                                                                                                           |                                                                                                                                                                                      | Select Enable or Disable for the "3D AUTO".                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0           |      |
| Fan speed                                                                                                                                                   |                                                                                                                                                                                      | "Fan speed" can be set.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0           | C    |
| Timer setting                                                                                                                                               |                                                                                                                                                                                      | "Timer operation" can be set.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0           | C    |
| ON/OFF                                                                                                                                                      |                                                                                                                                                                                      | "On/Off operation of the system" can be done.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0           | 0    |
| F1 SW                                                                                                                                                       |                                                                                                                                                                                      | The system operates and is controlled according to the function specified to the F1 switch.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0           | -    |
| F2 SW                                                                                                                                                       |                                                                                                                                                                                      | The system operates and is controlled according to the function specified to the F2 switch.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0           | -    |
| seful functions                                                                                                                                             |                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |      |
| Individual flap control                                                                                                                                     |                                                                                                                                                                                      | The moving range (the positions of upper limit and lower limit) of the flap for individual flap can be set.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             |      |
| Anti draft setting<br>When the papel with the                                                                                                               | anti-draft function is assembled.                                                                                                                                                    | When the panel with the anti draft function is assembled, select to Enable or Disable the anti draft setting for each operation mode and for each blow outlet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |             |      |
| Timer settings                                                                                                                                              | Set On timer by hour                                                                                                                                                                 | The period of time to start operation after stopping can be set.<br>• The period of set time can be set within range of Ihour-12houres (1hr interval).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             | _    |
|                                                                                                                                                             | Set Off timer by hour                                                                                                                                                                | The operation mode, set temp. and fan speed at starting operation can be set. The period of time to stop operation after starting can be set.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |      |
|                                                                                                                                                             | Set On timer by clock                                                                                                                                                                | The period of set time can be set within range of 1hour-12houres (1hr interval). The clock time to start operation can be set.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0           | C    |
|                                                                                                                                                             | Ber On and by Clock                                                                                                                                                                  | <ul> <li>The set clock time can be set by 5 minutes interval.</li> <li>[Once (one time only)] or [Everyday] operation can be switched.</li> <li>The operation mode, set temp. and fan speed at starting operation can be</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |             | С    |
|                                                                                                                                                             | Set Off timer by clock                                                                                                                                                               | <ul> <li>TB84clock time to stop operation can be set.</li> <li>The set clock time can be set by 5 minutes interval.</li> <li>[Once (one time only)] or [Everyday] operation can be switched.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0           | C    |
|                                                                                                                                                             | Confirmation of timer settings                                                                                                                                                       | Status of timer settings can be seen.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0           | -    |
| Favorite setting                                                                                                                                            |                                                                                                                                                                                      | Set the operation mode, setting temperature, air flow capacity and air flow direction for the choice setting operations.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             |      |
| [Administrator password                                                                                                                                     | i]                                                                                                                                                                                   | Set them for the Favorite set 1 and the Favorite set 2 respectively.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             |      |
| Weekly timer                                                                                                                                                |                                                                                                                                                                                      | On timer and Off timer on weekly basis can be set.<br>• 8-operation patterns per day can be set at a maximum.<br>• The setting clock time can be set by 5 minutes interval.<br>• Holiday setting is available.<br>• The operation mode, set temp. and fan speed at starting operation can be                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0           | C    |
| Home leave mode<br>[Administrator password                                                                                                                  | 1]                                                                                                                                                                                   | Weth leaving home for a long period like a vaction leave, the unit can be operated to maintain the room temperature<br>not to be hotter in summer or not to be colder in winter.<br>• The judgment to switch the operation mode (Cooling $\Leftrightarrow$ Heating) is done by the both factors of the set temp. and outdoor<br>air temp.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | e<br>r O    | _    |
| External Ventilation<br>When the ventilator is co                                                                                                           | ombined.                                                                                                                                                                             | <ul> <li>The set temp. and fan speed can be set.</li> <li>On/Off operation of the external ventilator can be done.</li> <li>It is necessary to set from [Menu] ⇒ [Service setting] ⇒ [R/C function settings] ⇒ [Ventilation setting].</li> <li>If the "Independent" is selected for the ventilation setting, the ventilator can be operated or stopped.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0           | C    |
| Select the language                                                                                                                                         |                                                                                                                                                                                      | Select the language to display on the remote control.<br>• Select from English, German, French, Spanish, Italian, Dutch, Turkish, Portuguese, Russian,<br>Polish, Japanese and Chinese.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0           | -    |
| Look, look                                                                                                                                                  |                                                                                                                                                                                      | Indoor temperature, outdoor temperature and power consumption are indicated.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | $\triangle$ | -    |
| Power consumption indi                                                                                                                                      | cation                                                                                                                                                                               | The power consumption of today, this week and this year is indicated by a chart. It is possible to compare with<br>yesterday, last week and last year.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0           | _    |
|                                                                                                                                                             |                                                                                                                                                                                      | <ul> <li>This item may not indicate depending on indoor and outdoor units which are combined.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             |      |
| nergy-saving setting                                                                                                                                        |                                                                                                                                                                                      | Administrator password                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |      |
|                                                                                                                                                             |                                                                                                                                                                                      | To prevent the timer from keeping ON, set hours to stop operation automatically with this timer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |      |
| Sleep timer                                                                                                                                                 |                                                                                                                                                                                      | <ul> <li>The selectable range of setting time is from 30 to 240 minutes. (10 minutes interval)</li> <li>When setting is "Enable", this timer will activate whenever the ON timer is set.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0           | _    |
| Sleep timer<br>Peak-cut timer                                                                                                                               |                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0           | _    |
| Peak-cut timer Automatic temp. set bac                                                                                                                      |                                                                                                                                                                                      | When setting is "Enable", this timer will activate whenever the ON timer is set.     Power consumption can be reduced by restructing the maximum capacity.     Set the [Start time], the [End time] and the capacity limit % (Peak-cut %).         4-operation patterns per day can be set at maximum.         The setting time can be changed by 5-minutes interval.         The selectable range of capacity limit % (Peak-cut %) is from 0% to 40-80% (20% interval).         Holiday setting is available.         After the elapse of the set time period, the current set temp. will be set back to the [Set back time.]         The setting can be done in cooling and heating mode respectively.         Selectable range of the set time is from 20 min. (10 min. interval).         Set the [Set back temp.] by 1°C interval.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             | -    |
| Peak-cut timer Automatic temp. set bac                                                                                                                      |                                                                                                                                                                                      | When setting is "Enable", this timer will activate whenever the ON timer is set.     Power consumption can be reduced by restructing the maximum capacity.     Set the [Start time], the [End time] and the capacity limit % (Peak-cut %).         4-operation patterns per day can be set at maximum.         The setting time can be changed by 5-minutes interval.         The selectable range of capacity limit % (Peak-cut %) is from 0% to 40-80% (20% interval).         Holiday setting is available.         After the elapse of the set time period, the current set temp. will be set back to the [Set back time.]         The setting range of the set time is from 20 min. to 120 min. (10 min. interval).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0           | -    |
| Peak-cut timer<br>Automatic temp. set bac<br>Infrared sensor control (<br>When the panel with the<br>assembled.<br>Iter                                     | Motion sensor control)<br>infrared sensor (motion sensor) is                                                                                                                         | When setting is "Enable", this timer will activate whenever the ON timer is set.     Power consumption can be reduced by restructing the maximum capacity.     Set the [Start time], the [End time] and the capacity limit % (Peak-cut %).         4-operation patterns per day can be set at maximum.         The setting time can be changed by 5-minutes interval.         The selectable range of capacity limit % (Peak-cut %) is from 0% to 40-80% (20% interval).         Holiday setting is available.         After the elapse of the set time period, the current set temp. will be set back to the [Set back time.]         Selectable range of the set time period, the current set temp. will be set back to the [Set back time.]         Selectable range of the set time set time is from 20 min. (10 min. interval).         Set the [Set back temp.] by 1°C interval.         When the infrared sensor (motion sensor) is used, it is necessary to set Enable or Disable for the "Power control" and the "Auto-off".                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0           | -    |
| Peak-cut timer<br>Automatic temp. set bac<br>Infrared sensor control (<br>When the panel with the<br>assembled.                                             | Motion sensor control)                                                                                                                                                               | When setting is "Enable", this timer will activate whenever the ON timer is set.  Power consumption can be reduced by restructing the maximum capacity. Set the [Start time], the [End time] and the capacity limit % (Peak-cut %).     4-operation patterns per day can be set at maximum.     The setting time can be changed by 5-minutes interval.     The selectable range of capacity limit % (Peak-cut %) is from 0% to 40-80% (20% interval).     Holiday setting is available.  After the elapse of the set time period, the current set temp. will be set back to the [Set back time.]     The setetable range of the set time is from 20 min. to 120 min. (10 min. interval).     Set the [Sta back temp.] by 1°C interval.  When the infrared sensor (motion sensor) is used, it is necessary to set Enable or Disable for the "Power control"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0           |      |
| Peak-cut timer<br>Automatic temp. set bac<br>Infrared sensor control (<br>When the panel with the<br>assembled.<br>Iter<br>Filter sign reset<br>ser setting | Motion sensor control)<br>infrared sensor (motion sensor) is<br>Filter sign reset                                                                                                    | When setting is "Enable", this timer will activate whenever the ON timer is set. Power consumption can be reduced by restructing the maximum capacity. Set the [Start time], the [End time] and the capacity limit % (Peak-cut %).     4-operation patterns per day can be set at maximum.     The setting time can be changed by 5-minutes interval.     The setting time can be changed by 5-minutes interval.     Holiday setting is available.     After the elapse of the set time period, the current set temp, will be set back to the [Set back time.]     The selectable range of the set time is from 20 min. to 120 min. (10 min. interval).     Selectable range of the set time is from 20 min. to 120 min. (10 min. interval).     Set the [Set back temp.] by 1'C interval. When the infrared sensor (motion sensor) is used, it is necessary to set Enable or Disable for the "Power control" and the "Auto-off".     The filter sign can be reset. The next cleaning date can be set. The current date and time can be set or revised.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0           |      |
| Peak-cut timer<br>Automatic temp. set bac<br>Infrared sensor control (<br>When the panel with the<br>assembled.<br>Iter<br>Filter sign reset                | Motion sensor control)<br>infrared sensor (motion sensor) is<br>Filter sign reset<br>Setting next cleaning date                                                                      | When setting is "Enable", this timer will activate whenever the ON timer is set.  Power consumption can be reduced by restructing the maximum capacity. Set the [Start time], the [End time] and the capacity limit % (Peak-cut %).     4-operation patterns per day can be set at maximum.     The setting time can be changed by 5-minutes interval.     The setterable range of capacity limit % (Peak-cut % ) is from 0% to 40-80% (20% interval).     Holiday setting is available.  After the elapse of the set time period, the current set temp. will be set back to the [Set back time.]     Selectable range of the set time period, the current set temp. will be set back to the [Set back time.]     Selectable range of the set time is from 20 min. to 120 min. (10 min. interval).     Set the [Set back temp.] by 1°C interval.  When the infrared sensor (motion sensor) is used, it is necessary to set Enable or Disable for the "Power control" and the "Auto-off".  The filter sign can be reset. The next cleaning date can be set.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0           |      |
| Peak-cut timer<br>Automatic temp. set bac<br>Infrared sensor control (<br>When the panel with the<br>assembled.<br>Iter<br>Filter sign reset<br>ser setting | Motion sensor control)<br>infrared sensor (motion sensor) is<br>Filter sign reset<br>Setting next cleaning date<br>Clock setting                                                     | When setting is "Enable", this timer will activate whenever the ON timer is set. Power consumption can be reduced by restructing the maximum capacity. Set the [Start time], the [End time] and the capacity limit % (Peak-cut %).     4-operation patterns per day can be set at maximum.     The setting time can be changed by 5-minutes interval.     The setterable range of capacity limit % (Peak-cut %) is from 0% to 40-80% (20% interval).     Holiday setting is available. After the elapse of the set time period, the current set temp, will be set back to the [Set back time.]     Selectable range of the set time is from 20 min. to 120 min. (10 min. interval).     Selectable range of the set set so from 20 min. to 120 min. (10 min. interval).     Selectable range of the set sets or period.     The filter sign can be be sets.     The filter sign can be neset.     The next cleaning date can be set.     The over failure continues no longer than 80 hours, the clock continues to tick by the built-in power source.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0<br>0<br>0 |      |
| Peak-cut timer<br>Automatic temp. set bac<br>Infrared sensor control (<br>When the panel with the<br>assembled.<br>Iter<br>Filter sign reset<br>ser setting | Motion sensor control)<br>infrared sensor (motion sensor) is<br>Filter sign reset<br>Setting next cleaning date<br>Clock setting<br>Date and time display<br>Summer time<br>Contrast | When setting is "Enable", this timer will activate whenever the ON timer is set. Power consumption can be reduced by restructing the maximum capacity. Set the [Start time], the [End time] and the capacity limit % (Peak-cut %).     4-operation patterns per day can be set at maximum.     The setting time can be changed by 5-minutes interval.     The settedabe range of capacity limit % (Peak-cut %) is from 0% to 40-80% (20% interval).     Holiday setting is available.     After the elapse of the set time period, the current set temp, will be set back to the [Set back time.]     Selectable range of the set time is from 20 min. to 120 min. (10 min. interval).     Selectable range of the set time is from 20 min. to 120 min. (10 min. interval).     Selectable range of the set time is from 20 min. to 120 min. (10 min. interval).     Selectable range of the set time is from 20 min. to 120 min. (10 min. interval).     Selectable range of the set time is from 20 min. to 120 min. (10 min. interval).     Selectable range of the set time is from 20 min. to 120 min. (10 min. interval).     Set the [Set back temp.] by 1°C interval.     When the infrared sensor (motion sensor) is used, it is necessary to set Enable or Disable for the "Power control" and the "Auto-off".     The filter sign can be reset.     The filter sign can be reset.     The next cleaning date can be set or revised.     If a power failure continues no longer than 80 hours, the clock continues to tick by the built-in power source.     [Display] or [Hide] the date and/or time can be set, and [12H] or [24H] display can be set.     When select [Enable], the +1hour adjustment of current time can be set. When select [Disable], the [Summer time] adjustment can be reset.     The contrast of LCD can be adjusted higher or lower. |             |      |
| Peak-cut timer<br>Automatic temp. set bac<br>Infrared sensor control (<br>When the panel with the<br>assembled.<br>Iter<br>Filter sign reset<br>ser setting | Motion sensor control)<br>infrared sensor (motion sensor) is<br>Filter sign reset<br>Setting next cleaning date<br>Clock setting<br>Date and time display<br>Summer time             | When setting is "Enable", this timer will activate whenever the ON timer is set. Power consumption can be reduced by restructing the maximum capacity. Set the [Start time], the [End time] and the capacity limit % (Peak-cut %).     • 4-operation patterns per day can be set at maximum.     The setting time can be changed by 5-minutes interval.     The settedbe range of capacity limit % (Peak-cut %) is from 0% to 40-80% (20% interval).     Holiday setting is available. After the elapse of the set time period, the current set temp. will be set back to the [Set back time.]     The setting can be done in cooling and heating moder respectively.     Selectable range of the set time is from 20 min. to 120 min. (10 min. interval).     Set the [Set back temp.] by 1°C interval. When the infrared sensor (motion sensor) is used, it is necessary to set Enable or Disable for the "Power control" and the "Auto-off".     The filter sign can be neset. The current date and time can be set or revised.     If a power failure continues no longer than 80 hours, the clock continues to tick by the built-in power source. [Display] or [Hide] the date and/or time can be set, and [12H] or [24H] display can be set. When select [Enable], the 1Hour adjustment of current time can be set. When select [Disable], the [Summer time] adjustment can be set.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |      |

| -                                                  | splay item                                                                                                                     | Description                                                                                                                                                                                                                                                                                                                                                                  | RC-EX3A     | RC-I     |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------|
| Administrator settings<br>[Administrator password] | Permission/Prohibition setting                                                                                                 | <ul> <li>Permission/Prohibition setting of operation can be set. [On/Off]<br/>[Change set temp] [Change operation mode] [Change flap direction] [Change fan speed] [High power operation]<br/>[Energy-saving operation] [Timer]<br/>Request for administrator can be set.<br/>[Individual flap control] [Weekly timer] [Select the language] [Anti draft setting]</li> </ul> | 0           | -        |
|                                                    | Outdoor unit silent mode timer                                                                                                 | The period of time to operate the outdoor unit by prioritizing the quiteness can be set.  • The [Start time] and the [End time] for operating outdoor unit in silent mode can be set.  • The period of the operation time can be set once aday by 5 minutes inteval.                                                                                                         | 0           | 0        |
|                                                    | Setting temp. range                                                                                                            | The upper/lower limit of temp. setting range can be set.                                                                                                                                                                                                                                                                                                                     | 0           | 0        |
|                                                    | Temp increment setting                                                                                                         | The limitation of indoor temp. setting range can be set for each operation mode in cooling and heating.     The temp. increment setting can be changed by 0.5°C or 1.0°C.                                                                                                                                                                                                    | 0           | 0        |
|                                                    | Set temp. display                                                                                                              | Ways of displaying setting temperatures can be selected.                                                                                                                                                                                                                                                                                                                     | Õ           | Č        |
|                                                    | R/C display setting                                                                                                            | Register [Room name] [Name of I/U]<br>Display [Indoor temp. display] or not.<br>Display [Error code display] or not.<br>Display [Heating stand-by display] [Defrost operation display] [Auto cooling/heating display] [Display temp of R/C,<br>Room, Outdoor] or not                                                                                                         | 0           | -        |
|                                                    | Change administrator password                                                                                                  | The administrator password can be changed. (Default setting is "0000")<br>The administrator password can be reset.                                                                                                                                                                                                                                                           | 0           | -        |
|                                                    | F1/F2 function setting                                                                                                         | Functions can be set for F1 and F2. Selectable functions:<br>[High power operation], [Energy-saving operation], [Silent mode cont.], [Home leave mode], [Favorite set 1],<br>[Favorite set 2] and [Filter sign reset].                                                                                                                                                       | 0           | -        |
| ervice setting                                     |                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                              |             |          |
| Installer settings<br>[Service password]           | Installation date                                                                                                              | The [Installation date] can be registed.<br>• When registering the [Instaration date], the [Next service date] is displayed automatically.<br>(For changing the [Next service date], please refer the item of [Service & Maintenance])                                                                                                                                       | 0           | -        |
|                                                    | Company information                                                                                                            | The [Company information] can be registed and can be displayed on the R/C.<br>• The [Company] can be registered within 26 characters.<br>• The [Phone No.] can be registed within 13 digits.                                                                                                                                                                                 | 0           | -        |
|                                                    | Test run                                                                                                                       | On/Off operation of the test run can be done.                                                                                                                                                                                                                                                                                                                                |             |          |
|                                                    | Cooling test run<br>Drain pump test run                                                                                        | The [Cooling test run] can be done at 5°C of set temp. for 30 minutes.<br>Only drain pump can be operated.                                                                                                                                                                                                                                                                   | 0           | <u> </u> |
|                                                    | Static pressure adjustment                                                                                                     | In case of combination with only the ducted indoor unit which has a function of static pressure adjustment, the static pressure is adjustable.                                                                                                                                                                                                                               |             | -        |
|                                                    | Change auto-address                                                                                                            | • If can be set for each indoor unit individually.<br>The set address of each indoor unit decided by auto-address setting method can be changed to any other address.                                                                                                                                                                                                        | l follow.   | -        |
|                                                    | Address setting of main IU                                                                                                     | Main indoor unit address can be set.<br>• Only the Main indoor unit can change operation mode and the Sub indoor units dominated by the Main indoor shall follow.<br>• The Main indoor unit can domain 10 indoor units at a maximum.                                                                                                                                         |             | -        |
|                                                    | IU back-up function                                                                                                            | When a pair of indoor units (2 groups) is connected to one unit of remote control, it can be set Enable or Disable for the [IU rotation], [IU capacity back-up] and [IU fault back-up]                                                                                                                                                                                       | 0           | -        |
|                                                    | Infrared sensor setting (Motion<br>sensor setting)<br>When the panel with the infrared<br>sensor (motion sensor) is assembled. | Set Enable or Disable for the infrared sensor detectors of indoor units connected to the remote control.<br>If Disable is selected, it cannot be control the infrared sensor control for the energy-saving setting.                                                                                                                                                          | 0           | -        |
|                                                    | Grill lifting operation                                                                                                        | Set enable for automatic lifting panel operation.<br>When automatic lifting panel is assembled.                                                                                                                                                                                                                                                                              |             |          |
| R/C function setting                               | Main/Sub R/C                                                                                                                   | The R/C setting of [Main/Sub] can be changed.                                                                                                                                                                                                                                                                                                                                | 0           | - 1      |
| [Service password]                                 | Return air temp.                                                                                                               | When two or more indoor units are connected to one unit of remote control, suction sensors, which are used for the<br>judgement by thermostat, can be selected. • It can be selected from [Individual], [Master IU] and [Average temp].                                                                                                                                      | 0           | -        |
|                                                    | R/C sensor                                                                                                                     | It can be set the mode to switch to the remote control sensor. It can be selected from cooling and heating.                                                                                                                                                                                                                                                                  | 0           | 2        |
|                                                    | R/C sensor adjustment                                                                                                          | The offset value of [R/C sensor] sensing temp. can be set respectively in heating and cooling.                                                                                                                                                                                                                                                                               |             | 4        |
|                                                    | Operation mode<br>°C / °F                                                                                                      | Enable or Disable can be set for each operation mode.<br>Set the unit for setting temperatures.                                                                                                                                                                                                                                                                              | 0           | 4        |
|                                                    |                                                                                                                                | • °C or °F can be selected.                                                                                                                                                                                                                                                                                                                                                  | 0           | (        |
|                                                    | Fan speed<br>External input                                                                                                    | Fan speeds can be selected.<br>When two or more indoor units are connected to one unit of remote control, the range to apply CnT inputs can be set.                                                                                                                                                                                                                          | 0           | -        |
|                                                    | Upper/lower flap control                                                                                                       | [Stop at fixed position] or [Stop at any position] can be selected for the upper and lower louvers.                                                                                                                                                                                                                                                                          | 0           |          |
|                                                    | Left/right flap control                                                                                                        | [Fixed position stop] or [Stop at any position] can be selected for the right and left louvers.                                                                                                                                                                                                                                                                              | 0           | -        |
|                                                    | Ventilation setting<br>Auto-restart                                                                                            | Combination control for ventilator can be set.<br>The operation control method after recovery of power failure happened during operation can be set.                                                                                                                                                                                                                         | 0           |          |
|                                                    | Auto temp. setting                                                                                                             | [Enable] or [Disable] of [Auto temp. setting] can be selected.                                                                                                                                                                                                                                                                                                               | 0           | -        |
| III                                                | Auto fan speed<br>Fan speed setting                                                                                            | [Enable] or [Disable] of [Auto fan speed] can be selected.<br>The fan speed for indoor units can be set.                                                                                                                                                                                                                                                                     | 0           | -        |
| IU settings                                        | Filter sign                                                                                                                    | The setting of filter sign display timer can be done from following patterns.                                                                                                                                                                                                                                                                                                |             |          |
| [Service password]                                 | External input 1                                                                                                               | The connect of control by external input 1 can be changed.                                                                                                                                                                                                                                                                                                                   | $\triangle$ | 4        |
|                                                    | External input 1 signal<br>External input 2                                                                                    | The type of external input 1 signal can be changed.<br>The connect of control by external input 2 can be changed.                                                                                                                                                                                                                                                            | 0           | (        |
|                                                    | External input 2 signal                                                                                                        | The type of external input 2 signal can be changed.                                                                                                                                                                                                                                                                                                                          |             |          |
|                                                    | Heating thermo-OFF temp. adjustment                                                                                            | The judgement temp. of heating themo-off can be adjusted within the range from 0 to $+3^{\circ}C$ (1°C interval).                                                                                                                                                                                                                                                            |             |          |
|                                                    | Return temperature adjustment<br>Fan control in cooling thermo-OFF                                                             | The sensing temp. of return air temp. sensor built in the indoor unit can be adjusted within the range of $\pm 2^{\circ}$ C.<br>Fan control, when the cooling thermostat is turned OFF, can be changed.                                                                                                                                                                      |             | -        |
|                                                    | Fan control in heating thermo-OFF                                                                                              | Fan control, when the heating thermostat is turned OFF, can be changed.                                                                                                                                                                                                                                                                                                      | Δ           | 2        |
|                                                    | Anti-frost temp.                                                                                                               | Judgment temperature for the anti-frost control during cooling can be changed.                                                                                                                                                                                                                                                                                               |             |          |
|                                                    | Anti-frost control<br>Drain pump operation                                                                                     | When the anti-frost control of indoor unit in cooling is activated, the fan speed can be changed.<br>In any operation mode in addition to cooling and dry mode, the setting of drain pump operation can be done.                                                                                                                                                             |             | -        |
|                                                    | Keep fan operating after cooling                                                                                               | The time period residual fan operation after stopping or thermo-off in cooling mode can be set.                                                                                                                                                                                                                                                                              |             |          |
|                                                    | is stopped<br>Keep fan operating after heating<br>is stopped                                                                   | The time period residual fan operation after stopping or thermo-off in heating mode can be set.                                                                                                                                                                                                                                                                              |             |          |
|                                                    | Intermittent fan operation in heating                                                                                          | The fan operation rule following the residual fan operation after stopping or themo-off in heating mode can be set.                                                                                                                                                                                                                                                          |             |          |
|                                                    | Fan circulator operation                                                                                                       | In case that the fan is operated as the circulator, the fan control rule can be set.                                                                                                                                                                                                                                                                                         |             | <u> </u> |
|                                                    | Control pressure adjust<br>Auto operation mode                                                                                 | When only the OA processing units are operated, control pressure value can be changed.<br>The [Auto rule selection] for switching the operation mode automatically can be selected from 3 patterns.                                                                                                                                                                          |             |          |
|                                                    | Thermo. rule setting                                                                                                           | When selecting [Outdoor air temp. control], the judgment temp can be offset by outdoor temp                                                                                                                                                                                                                                                                                  |             |          |
|                                                    | Auto fan speed control                                                                                                         | Auto switching range for the auto fan speed control can be set.                                                                                                                                                                                                                                                                                                              |             |          |
|                                                    | IU overload alarm                                                                                                              | If the difference between the setting temperature and the suction temperature becomes larger than the temperature difference set for the overload alarm, at 30 minutes after the start of operation, the overload alarm signal is transmitted from the external                                                                                                              | 0           | .        |

| Setting & display item                        |                                | Description                                                                                                                                                                                                                                                                                              | RC-EX3A | RC-E5       |
|-----------------------------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------------|
| 4 Service & Maintenance<br>[Service password] | IU address                     | <ul> <li>Max 16 indoor units can be connected to one remote control, and all address No. of the connected indoor units can be displayed.</li> <li>The indoor unit conforming to the address No. can be identified by selecting the address No. and tapping [Check] to operate the indoor fan.</li> </ul> | 0       | -           |
| r                                             | Next service date              | The [Next service date] can be registered.<br>• The [Next service date] and [Company information] is displayed on the message screen.                                                                                                                                                                    | 0       | _           |
|                                               | Operation data                 | The [Operation data] for indoor unit and outdoor unit can be displayed.                                                                                                                                                                                                                                  | 0       | 0           |
|                                               | Error display<br>Error history | The error history can be displayed.                                                                                                                                                                                                                                                                      |         |             |
|                                               | Display anomaly data           | The operation data just before the latest error stop can be displayed.                                                                                                                                                                                                                                   | 0       |             |
|                                               | Erase anomaly data             | Anomaly operation data can be erased.                                                                                                                                                                                                                                                                    |         |             |
|                                               | Reset periodical check         | The timer for the periodical check can be reset.                                                                                                                                                                                                                                                         |         |             |
|                                               | Saving IU settings             | The I/U settings memorized in the indoor PCB connected to the remote control can be saved in the memory of the remote control.                                                                                                                                                                           | 0       | -           |
|                                               | Special settings               | [Erase IU address] [CPU reset] [Restore of default setting] [Touch panel calibration]                                                                                                                                                                                                                    | 0       | $\triangle$ |
|                                               | Indoor unit capacity display   | Address No. and capacities of indoor units connected to the remote control are displayed.                                                                                                                                                                                                                | 0       | -           |
| 8.Contact company                             |                                | Shows registered [Contact company] and [Contact phone].                                                                                                                                                                                                                                                  | 0       | -           |
| 9.Inspection                                  |                                |                                                                                                                                                                                                                                                                                                          |         |             |
| Confirmation of Inspection                    | n                              | This is displayed when any error occurs.                                                                                                                                                                                                                                                                 | 0       | -           |
| 10.PC connection                              |                                |                                                                                                                                                                                                                                                                                                          |         |             |
| USB connection                                |                                | Weekly timer setting and etc., can be set from PC.                                                                                                                                                                                                                                                       | 0       | -           |

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RKZ012A099

#### (2) Interface kit (SC-BIKN2-E)





#### Installation check items

□ Are the connection cables connected securely to the terminal blocks and connectors?

□ Are the thickness and length of the connection cables conformed with the standard?





#### (3) Superlink E board (SC-ADNA-E)

Read and understand the instructions completely before starting installation. Refer to the instructions for both indoor and outdoor units



- Carefully read "Safety precautions" first. Follow the instructions for installation.
   Precautions are grouped into "Warning<u>A</u>" and "Caution<u>A</u>". The "Warning<u>A</u>" group includes items that may lead to serious injury or death if not observed. The items included in the "Caution<u>A</u>" group also may lead to serious results under certain conditions. Both groups are crucial for safety installation. Read and understand them carefully. • After installation, conduct the test operation of the device to check for any abnormalities. Describe how to operate the device to the customer following the installation instruc-tion manual. Instruct the customer to keep this installation instruction for future reference.

#### MARING

- This device should be installed by the dealer where you purchase the device or a licensed professional shop. If the device is incorrectly installed by the customer, it may result in electric shock or fire.
- Install the device carefully following the installation instruction. If the device is incorrectly installed, it may result in electric shock or fire.
- Use the accessory parts and specified parts for installation. If any parts that do not match the specifications are used, it may result in electric shock or fire. • A person with the electrical service certification should conduct the service
- based on the "Technical standards for electrical facilities", "Electrical Wiring Code", and the installation instruction. If the work is done incorrectly, it may result in electric shock or fire.
- Wiring should be securely connected using the specified types of wire. No external force on the wire should be applied to any terminals. If a secure connection is not achieved, it may result in electric shock or fire

#### 1 Application

Indoor-to-outdoor three core communication specification type 3 (since October 2007)

#### 2 Accessories



#### 3 Function

Allowing the center control SL1N-E, SL2N-E, and SL4-AE/BE to control and monitor the commercial air-conditioning unit.

#### 4 Control switching

Settings can be changed by the switch SW3 on the SL E board as in the following.

| Switch | Symbol | Switch        | Remarks                                                            |
|--------|--------|---------------|--------------------------------------------------------------------|
| SW3    | 1      | ON            | Master                                                             |
|        |        | OFF (default) | Slave                                                              |
|        |        | ON            | Fixed previous protocol                                            |
|        | 2      | OFF (default) | Automatic adjustment of Superlink protocol                         |
|        | 3      | ON            | Indicates the forced operation stop when abnormality has occurred. |
|        |        | 3             | OFF (default)                                                      |
|        | 4      | ON            | The hundredth address activated "1"                                |
|        | 4      | OFF (default) | The hundredth address activated "0"                                |

#### 

- Provide ground connection. The ground line should never be connected to the gas supply piping, the water supply piping, the lightning conductor rod, nor the telephone ground. If the
- grounding is improper, it may result in electric shock.Do not install the device in the following locations. 1.Where there is mist/spray of oil or steam such as kitchens.
  - Where there is corrosive gases such as sulfurous acid gas.
     Where there is a device generating electromagnetic waves. These may interfere with the control system resulting in the device becoming uncontrollable.
  - 4.Where flammable volatile materials such as paint thinner and gasoline may exist or where they are handled. This may cause a fire.

#### 5 Connection outline

Note for setting the address

- Set the address between 00 and 47 for the previous Superlink connection
- and between 000 and 127 for the new Superlink connection. (\*1)
- Do not set the address overlapping with those of the other devices in the
- network. (The default is 000)



Whether the actual link is either the new Superlink or the previous Super-(\*1) link depends on the models of the connected outdoor and indoor units. Consult the agent or the dealer.

#### Signal line specification

| Communication method         | Previous Superlink         | New Superlink            |
|------------------------------|----------------------------|--------------------------|
| Line type                    | MVVS                       | MVVS                     |
| Line diameter                | 0.75 - 1.25mm <sup>2</sup> | 0.75/1.25mm <sup>2</sup> |
| Signal line (total length)   | up to 1000m                | up to 1500/1000m (*2)    |
| Signal line (maximum length) | up to 1000m                | up to 1000m              |

(\*2) Up to 1500 m for 0.75 mm<sup>2</sup>, and up to 1000 m for 1.25 mm<sup>2</sup>. Do not use 2.0 mm<sup>2</sup>. It may cause an error.

(\*3) Connect grounding on both ends of the shielding wire. For the grounding method, refer to the section "6 Installation".

#### PJZ012D029K

- (1) Set the Superlink network address with SW1 (tens place), SW2 (ones place), and SW3 (hundreds place).
- (2) Set the SL E board SW3-1 to be ON (Master) when using this without any remote control (no wired remote control nor wireless remote control).
- (3) Set up the plural master/slave device using the dip switches on the indoor unit board.
- (4) Set up the remote control master/slave device using the slide switch on the remote control board.
- (5) Set up "0" to "F" using the address rotary switch on the indoor unit board when controlling the indoor unit with the multiple remote control.



#### 6 Installation

1. When using the metal box (mounted on the indoor unit / mounted on the back of the remote control):

Mount the SL E board in the metal box using the locking supports.
 Wiring should go through the provided grommet since then through the

wiring to the hole on the Metal box. Secure the grommet after inserting the grommet into the Metal box as shown in below figure, then tie the wiring at the outlet of the unit using a binding band.



Locking supports (4)

▲ When installed outside the indoor unit, put the metal cover on.



▲ When installed on the back of the remote control, mount it directly on the remote control bottom case.



Connect grounding. Connect grounding for the power line to Ground (f), and grounding for the signal line to Ground (g) or to the Ground on the indoor unit control box.



- When connecting to the indoor unit control box (ceiling-concealed type and FDT type only):
  - (1) Mount the SL E board in the control box using the locking supports.
- (2) Remove 6 bands from the box and put the wiring through the bands to be secured.



Electrical shock hazard! Make sure to turn the power off for servicing. Be cautious so that no abnormal force should be applied to the wiring. Do not let the SL E board hung by the wiring. Do not damage the board with a screw driver.

The board is sensitive to static electricity. Release the static electricity of your body before servicing.

(you can do this by touching the control board which is grounded).

#### Location of installation

Install the device at the location where there are no electromagnetic waves nor where there is water and dust. The specified temperature range of the device is 0 to 40°C. Install the device at the location where the ambient temperature stays within the range. If it exceeds the specification, make sure to provide solution such as installing a cooling fan. When used outside of the range, it may cause abnormal operation.

#### 7 Indicator display

Check the LED 3 (green) and LED 2 (red) on the SL E board for flashing.

| SL E board LEDs  |          |                                                                                                                                                                                                                                                                                                               | Display on the                       |
|------------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| Red              | Green    | Inspection mode                                                                                                                                                                                                                                                                                               | integrated network<br>control device |
| Off              | Flashing | Normal communication                                                                                                                                                                                                                                                                                          |                                      |
| Off              | Off      | <ul> <li>Disconnection in the remote control communication line (X or Y)</li> <li>Short-circuit in the remote control communication line (between X and Y)</li> <li>Faulty indoor unit remote control power</li> <li>Faulty remote control communication circuit</li> <li>Faulty CPU on SL E board</li> </ul> | No<br>corresponding<br>unit number   |
| One flash        | Flashing | <ul> <li>Disconnection in the Superlink signal<br/>line (A or B)</li> <li>Short-circuit in the Superlink signal<br/>line (between A and B)</li> <li>Faulty Superlink signal circuit</li> </ul>                                                                                                                |                                      |
| Two<br>flashes   | Flashing | Faulty address setting for the SL E<br>board<br>(Set up the address for<br>previous SL E board : more than 48<br>new SL E board : more than 128)                                                                                                                                                              |                                      |
| Three<br>flashes | Flashing | <ul> <li>SL E board parent not set up when used<br/>without a remote control</li> <li>Faulty remote control communication circuit</li> </ul>                                                                                                                                                                  | E1                                   |
| Four<br>flashes  | Flashing | <ul> <li>Address overlapping for the SL E board<br/>and the Superlink network connected<br/>indoor unit</li> </ul>                                                                                                                                                                                            | E2                                   |
| Off              | Flashing | <ul> <li>Number of connected devices exceeds the<br/>specification for the multiple indoor unit control</li> </ul>                                                                                                                                                                                            | E10                                  |

# 12. TECHNICAL INFORMATION Model SRK20ZS-W

| Information to identify the model(s) to                           |                      |                         | elates to:  | If function includes heating: Indicate the                          |                  |                                |          |
|-------------------------------------------------------------------|----------------------|-------------------------|-------------|---------------------------------------------------------------------|------------------|--------------------------------|----------|
| Indoor unit model name                                            | SRK20ZS              |                         |             | information relates to. Indicated values                            |                  |                                | ~ ~ !    |
| Outdoor unit model name                                           | SRC20ZS              | 5-99                    |             | heating season at a time. Include at leas                           | st the heati     | ng season 'Averag              | je.      |
| Function(indicate if present)                                     |                      |                         |             | Average(mandatory)                                                  | Yes              |                                |          |
| cooling                                                           | Yes                  |                         |             | Warmer(if designated)                                               | Yes              |                                |          |
| heating                                                           | Yes                  |                         |             | Colder(if designated)                                               | No               |                                |          |
|                                                                   | -                    |                         |             |                                                                     |                  |                                |          |
| Item                                                              | symbol               | value                   | unit        | Item                                                                | symbol           | value class                    |          |
| Design load                                                       | <b>.</b>             |                         |             | Seasonal efficiency and energy efficience                           |                  |                                |          |
| cooling                                                           | Pdesignc             |                         | kW          | cooling                                                             | SEER             | 8.50 A++                       |          |
| heating / Average<br>heating / Warmer                             | Pdesignh<br>Pdesignh |                         | kW<br>kW    | heating / Average<br>heating / Warmer                               | SCOP/A<br>SCOP/W | 4.60 A++<br>5.80 A++           |          |
| heating / Colder                                                  | Pdesignh             |                         | kW          | heating / Colder                                                    | SCOP/C           | <b>3.00</b> Att                | <u> </u> |
|                                                                   | i designin           | -                       |             | ricating / colder                                                   | 000170           | unit                           |          |
| Declared capacity at outdoor temperat                             | ure Tdesignl         | n                       |             | Back up heating capacity at outdoor ten                             | perature T       |                                |          |
| heating / Average (-10°C)                                         | Pdh                  | 2.60                    | kW          | heating / Average (-10°C)                                           | elbu             | - kW                           |          |
| heating / Warmer (2°C)                                            | Pdh                  | 3.30                    | kW          | heating / Warmer (2°C)                                              | elbu             | - kW                           |          |
| heating / Colder (-22°C)                                          | Pdh                  | -                       | kW          | heating / Colder (-22°C)                                            | elbu             | - kW                           |          |
| Desland ann aite fan an linn, at inde                             |                      | - 07/40\ <sup>9</sup> 0 | a a d       |                                                                     |                  | ture 07(40) <sup>0</sup> 0 and | _        |
| Declared capacity for cooling, at indoo<br>outdoor temperature Tj | rtemperatur          | e 27(19) C              | and         | Declared energy efficiency ratio, at indo<br>outdoor temperature Tj | or tempera       | ture 27(19) C and              | 1        |
| Tj=35°C                                                           | Pdc                  | 2.00                    | kW          | Tj=35°C                                                             | EERd             | 4.55 -                         |          |
| Tj=30°C                                                           | Pdc                  | 1.40                    | kW          | Tj=30°C                                                             | EERd             | 6.80 -                         |          |
| Tj=25°C                                                           | Pdc                  | 1.00                    | kW          | Tj=25°C                                                             | EERd             | 11.80 -                        |          |
| Tj=20°C                                                           | Pdc                  | 1.00                    | kW          | Tj=20°C                                                             | EERd             | 18.20 -                        |          |
| -                                                                 |                      |                         |             |                                                                     |                  |                                |          |
| Declared capacity for heating / Averag                            |                      | indoor                  |             | Declared coefficient of performance / Av                            |                  | son, at indoor                 |          |
| temperature 20°C and outdoor temperature $7^{\circ}$ C            |                      | 2.40                    | L/W         | temperature 20°C and outdoor temperat                               | ure Tj<br>COPd   | 2.50                           |          |
| Tj=-7℃<br>Tj=2℃                                                   | Pdh<br>Pdh           | 2.40                    | kW<br>kW    | Tj=-7 C                                                             | COPd<br>COPd     | 2.50 -<br>4.70 -               |          |
| Tj=2 C<br>Tj=7°C                                                  | Pdh                  | 0.95                    | kW          | Ti=7°C                                                              | COPd             | 6.24 -                         |          |
| Ti=12°C                                                           | Pdh                  | 1.10                    | kW          | Tj=12°C                                                             | COPd             | 7.80 -                         |          |
| Tj=bivalent temperature                                           | Pdh                  | 2.60                    | kW          | Tj=bivalent temperature                                             | COPd             | 2.20 -                         |          |
| Tj=operating limit                                                | Pdh                  | 2.10                    | kW          | Tj=operating limit                                                  | COPd             | 2.05 -                         |          |
|                                                                   |                      |                         |             |                                                                     |                  |                                |          |
| Declared capacity for heating / Warme                             |                      | indoor                  |             | Declared coefficient of performance / W                             |                  | son, at indoor                 |          |
| temperature 20°C and outdoor tempera<br>Tj=2°C                    | Pdh                  | 3.30                    | kW          | temperature 20°C and outdoor temperat                               | COPd             | 2.57 -                         |          |
| Tj=2 C<br>Tj=7°C                                                  | Pdh                  | 2.10                    | kW          | Tj=7°C                                                              | COPd             | 5.12 -                         |          |
| Tj=12°C                                                           | Pdh                  | 1.10                    | kW          | Tj=12°C                                                             | COPd             | 7.80                           |          |
| Tj=bivalent temperature                                           | Pdh                  | 3.30                    | kW          | Tj=bivalent temperature                                             | COPd             | 2.57 -                         |          |
| Tj=operating limit                                                | Pdh                  | 2.10                    | kW          | Tj=operating limit                                                  | COPd             | 2.05 -                         |          |
|                                                                   |                      |                         |             |                                                                     |                  |                                |          |
| Declared capacity for heating / Colder                            |                      | ndoor                   |             | Declared coefficient of performance / Co                            |                  | n, at indoor                   |          |
| temperature 20°C and outdoor tempera                              |                      |                         | LAM         | temperature 20°C and outdoor temperat                               |                  |                                |          |
| Tj=-7℃<br>Ti=2℃                                                   | Pdh<br>Pdh           | -                       | kW<br>kW    | Tj=-7°C<br>Tj=2°C                                                   | COPd<br>COPd     |                                |          |
| Ti=7°C                                                            | Pdh                  | -                       | kW          | Tj=2°C                                                              | COPd             |                                |          |
| Ti=12°C                                                           | Pdh                  | -                       | kW          | Tj=12°C                                                             | COPd             |                                |          |
| Tj=bivalent temperature                                           | Pdh                  | -                       | kW          | Tj=bivalent temperature                                             | COPd             |                                |          |
| Tj=operating limit                                                | Pdh                  | -                       | kW          | Tj=operating limit                                                  | COPd             |                                |          |
| Tj=-15℃                                                           | Pdh                  | -                       | kW          | Tj=-15℃                                                             | COPd             |                                |          |
|                                                                   |                      |                         |             |                                                                     |                  |                                |          |
| Bivalent temperature                                              | <b>T</b> 1-5 -       | 40                      | <b>1</b> °0 | Operating limit temperature                                         | <b>T</b> -1      | 45 00                          |          |
| heating / Average<br>heating / Warmer                             | Tbiv<br>Tbiv         | -10<br>2                | သိ<br>သိ    | heating / Average<br>heating / Warmer                               | Tol<br>Tol       | -15 ℃<br>-15 ℃                 |          |
| heating / Colder                                                  | Tbiv                 | -                       | °C          | heating / Colder                                                    | Tol              | -15 C                          |          |
|                                                                   |                      |                         | v           |                                                                     | 101              |                                |          |
| Cycling interval capacity                                         |                      |                         |             | Cycling interval efficiency                                         |                  |                                | -        |
| for cooling                                                       | Pcycc                | -                       | kW          | for cooling                                                         | EERcyc           |                                |          |
| for heating                                                       | Pcych                | -                       | kW          | for heating                                                         | COPcyc           |                                |          |
| Degradation co-ficient                                            |                      |                         |             | Decredation c - ft +                                                |                  |                                |          |
| Degradation coefficient                                           | Cdo                  | 0.25                    | 1           | Degradation coefficient                                             | Cdh              | 0.25 -                         |          |
| cooling                                                           | Cdc                  | 0.25                    | -           | heating                                                             | Cun              | 0.25 -                         |          |
| Electric power input in power modes of                            | ther than 'an        | tive mode'              |             | Annual electricity consumption                                      |                  |                                |          |
| Electric power input in power modes of<br>off mode                | Poff                 | 4                       | w           | cooling                                                             | Qce              | 83 kWh/a                       | 1        |
| standby mode                                                      | Psb                  | 4                       | Ŵ           | heating / Average                                                   | Qhe              | <b>793</b> kWh/a               |          |
| thermostat-off mode                                               | Pto(cooling)         | 10                      | W           | heating / Warmer                                                    | Qhe              | 797 kWh/a                      |          |
|                                                                   | Pto(heating)         |                         | W           | heating / colder                                                    | Qhe              | - kWh/a                        | 1        |
| crankcase heater mode                                             | Pck                  | 0                       | W           | l                                                                   |                  |                                |          |
| Capacity control(indicate one of three                            | options)             |                         |             | Other items                                                         |                  |                                |          |
|                                                                   |                      |                         |             | Sound power level(indoor)                                           | Lwa              | 48 dB(A)                       |          |
|                                                                   |                      |                         |             | Sound power level(outdoor)                                          | Lwa              | 56 dB(A)                       |          |
| fixed                                                             | No                   |                         |             | Global warming potential                                            | GWP              | 675 kgCO2                      | eq.      |
| staged                                                            | No                   |                         |             | Rated air flow(indoor)                                              | -                | 558 m3/h                       |          |
| variable                                                          | Yes                  |                         |             | Rated air flow(outdoor)                                             | -                | <b>1644</b> m3/h               |          |
| Contact details for obtaining                                     | Namo on              | d addroso               | of the man  | ufacturer or of its authorised representativ                        | 0                |                                |          |
|                                                                   |                      |                         |             | ning Europe, Ltd.                                                   | <b>.</b>         |                                |          |
|                                                                   |                      |                         |             | Viddlesex, UB11 1ET,                                                |                  |                                |          |
|                                                                   | Kingdom              | - /                     | <b>J</b> ,  |                                                                     |                  |                                |          |
|                                                                   |                      |                         |             |                                                                     |                  |                                |          |

#### SRK25ZS-W

| Information to identify the model(s)                            |                                            | If function includes heating: Indicate                                          |                                              |
|-----------------------------------------------------------------|--------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------|
| Indoor unit model name<br>Outdoor unit model name               | SRK25ZS-W<br>SRC25ZS-W                     | information relates to. Indicated value<br>heating season at a time. Include at |                                              |
|                                                                 | 5K02323-W                                  |                                                                                 | least the heating season Average.            |
| Function(indicate if present)                                   |                                            | Average(mandatory)                                                              | Yes                                          |
| cooling                                                         | Yes                                        | Warmer(if designated)                                                           | Yes                                          |
| heating                                                         | Yes                                        | Colder(if designated)                                                           | No                                           |
| Item                                                            | symbol value unit                          | Item                                                                            | symbol value class                           |
| Design load                                                     |                                            | Seasonal efficiency and energy effici                                           |                                              |
| cooling<br>heating / Average                                    | Pdesignc 2.50 kW<br>Pdesignh 2.70 kW       | cooling<br>heating / Average                                                    | SEER 8.50 A+++<br>SCOP/A 4.70 A++            |
| heating / Warmer                                                | Pdesignh 3.30 kW                           | heating / Warmer                                                                | SCOP/W 5.90 A+++                             |
| heating / Colder                                                | Pdesignh - kW                              | heating / Colder                                                                | SCOP/C                                       |
|                                                                 |                                            |                                                                                 | unit                                         |
| Declared capacity at outdoor tempe<br>heating / Average (-10°C) | erature Tdesignh<br>Pdh <b>2.70</b> kW     | Back up heating capacity at outdoor heating / Average (-10°C)                   | temperature Tdesignh<br>elbu - kW            |
| heating / Warmer (2°C)                                          | Pdh <b>3.30</b> kW                         | heating / Warmer (2°C)                                                          | elbu - kW                                    |
| heating / Colder (-22°C)                                        | Pdh - kW                                   | heating / Colder (-22°C)                                                        | elbu - kW                                    |
|                                                                 |                                            |                                                                                 |                                              |
| Declared capacity for cooling, at inc                           | door temperature 27(19)°C and              | Declared energy efficiency ratio, at in                                         | ndoor temperature 27(19)°C and               |
| outdoor temperature Tj<br>Tj=35°C                               | Pdc <b>2.50</b> kW                         | outdoor temperature Tj<br>Tj=35°C                                               | EERd <b>4.03</b> -                           |
| Tj=30°C                                                         | Pdc <b>1.80</b> kW                         | Tj=30°C                                                                         | EERd 6.45 -                                  |
| Tj=25°C                                                         | Pdc 1.11 kW                                | Tj=25°C                                                                         | EERd 11.80 -                                 |
| Tj=20°C                                                         | Pdc 1.10 kW                                | Tj=20°C                                                                         | EERd 18.20 -                                 |
| Declared capacity for heating / Ave                             | rage access at indeer                      | Declared coefficient of performance                                             | Average eccept, et indeer                    |
| temperature 20°C and outdoor tem                                |                                            | temperature 20°C and outdoor temperature                                        |                                              |
| Tj=-7°C                                                         | Pdh <b>2.40</b> kW                         | Tj=-7°C                                                                         | COPd <b>2.50</b> -                           |
| Tj=2°C                                                          | Pdh <b>1.40</b> kW                         | Tj=2°C                                                                          | COPd <b>4.92</b> -                           |
| Tj=7°C                                                          | Pdh <b>0.95</b> kW                         | Tj=7°C                                                                          | COPd 6.15 -                                  |
| Tj=12°C<br>Tj=bivalent temperature                              | Pdh <b>1.10</b> kW<br>Pdh <b>2.70</b> kW   | Tj=12°C<br>Tj=bivalent temperature                                              | COPd <b>7.86</b> -<br>COPd <b>2.40</b> -     |
| Tj=operating limit                                              | Pdh <b>2.30</b> kW                         | Ti=operating limit                                                              | COPd <b>2.10</b> -                           |
|                                                                 |                                            |                                                                                 |                                              |
| Declared capacity for heating / War                             |                                            | Declared coefficient of performance                                             |                                              |
| temperature 20°C and outdoor tem<br>Tj=2°C                      | Pdh <b>3.30</b> kW                         | temperature 20°C and outdoor temperature 20°C and outdoor temperature           | COPd <b>2.70</b> -                           |
| Tj=7°C                                                          | Pdh <b>2.10</b> kW                         | Tj=7°C                                                                          | COPd <b>5.23</b> -                           |
| Tj=12°C                                                         | Pdh <b>1.10</b> kW                         | Tj=12°C                                                                         | COPd <b>7.86</b> -                           |
| Tj=bivalent temperature                                         | Pdh <b>3.30</b> kW                         | Tj=bivalent temperature                                                         | COPd <b>2.70</b> -                           |
| Tj=operating limit                                              | Pdh <b>2.10</b> kW                         | Tj=operating limit                                                              | COPd 2.10 -                                  |
| Declared capacity for heating / Colo                            | der season. at indoor                      | Declared coefficient of performance                                             | / Colder season. at indoor                   |
| temperature 20°C and outdoor tem                                | perature Tj                                | temperature 20°C and outdoor temperature                                        |                                              |
| Tj=-7°C                                                         | Pdh - kW                                   | Tj=-7°C                                                                         | COPd                                         |
| Tj=2°C<br>Tj=7°C                                                | Pdh - kW<br>Pdh - kW                       | Tj=2°C<br>Tj=7°C                                                                | COPd<br>COPd                                 |
| Tj=12°C                                                         | Pdh - kW                                   | Tj=12°C                                                                         | COPd                                         |
| Tj=bivalent temperature                                         | Pdh - kW                                   | Tj=bivalent temperature                                                         | COPd                                         |
| Tj=operating limit                                              | Pdh - kW                                   | Tj=operating limit                                                              | COPd                                         |
| Tj=-15°C                                                        | Pdh - kW                                   | Tj=-15°C                                                                        | COPd                                         |
| Bivalent temperature                                            |                                            | Operating limit temperature                                                     |                                              |
| heating / Average                                               | Tbiv <b>-10</b> °C                         | heating / Average                                                               | Tol <b>-15</b> ℃                             |
| heating / Warmer                                                | Tbiv <b>2</b> °C                           | heating / Warmer                                                                | Tol <b>-15</b> °C                            |
| heating / Colder                                                | Tbiv - °C                                  | heating / Colder                                                                | Tol - °C                                     |
| Cycling interval capacity                                       |                                            | Cycling interval efficiency                                                     |                                              |
| for cooling                                                     | Pcycc - kW                                 | for cooling                                                                     | EERcyc                                       |
| for heating                                                     | Pcych - kW                                 | for heating                                                                     | COPcyc                                       |
|                                                                 |                                            | Description of finitest                                                         |                                              |
| Degradation coefficient<br>cooling                              | Cdc 0.25 -                                 | Degradation coefficient<br>heating                                              | Cdh 0.25 -                                   |
| loomig                                                          | 000 0120                                   | noung                                                                           |                                              |
| Electric power input in power mode                              | s other than 'active mode'                 | Annual electricity consumption                                                  | - <u> </u>                                   |
| off mode                                                        | Poff 4 W                                   | cooling                                                                         | Qce <b>103</b> kWh/a<br>Qhe <b>804</b> kWh/a |
| standby mode<br>thermostat-off mode                             | Psb <u>4</u> W<br>Pto(cooling) <b>10</b> W | heating / Average<br>heating / Warmer                                           | Qhe <b>784</b> kWh/a                         |
| inermostat-on mode                                              | Pto(cooling) 10 W<br>Pto(heating) 11 W     | heating / colder                                                                | Qhe - kWh/a                                  |
| crankcase heater mode                                           | Pck <b>0</b> W                             |                                                                                 |                                              |
|                                                                 |                                            |                                                                                 |                                              |
| Capacity control(indicate one of thr                            | ee options)                                | Other items<br>Sound power level(indoor)                                        | Lwa <b>50</b> dB(A)                          |
|                                                                 |                                            | Sound power level(indoor)                                                       | Lwa <b>56</b> dB(A)                          |
| fixed                                                           | No                                         | Global warming potential                                                        | GWP 675 kgCO2eq.                             |
| staged                                                          | No                                         | Rated air flow(indoor)                                                          | - <b>594</b> m3/h                            |
| variable                                                        | Yes                                        | Rated air flow(outdoor)                                                         | - <b>1644</b> m3/h                           |
| Contact details for obtaining                                   |                                            |                                                                                 | ativo                                        |
|                                                                 | Name and address of the mai                | nutacturer or of its authorised represent                                       |                                              |
|                                                                 | ubishi Heavy Industries Air-Conditio       |                                                                                 | auve.                                        |
| 5 Tr                                                            |                                            | ning Europe, Ltd.                                                               | auve.                                        |

#### SRK35ZS-W

| Information to identify the model             | (s) to which the information relates to:  | If function includes heating: Indicate        | the heating season the                       |
|-----------------------------------------------|-------------------------------------------|-----------------------------------------------|----------------------------------------------|
| Indoor unit model name                        | SRK35ZS-W                                 | information relates to. Indicated value       |                                              |
| Outdoor unit model name                       | SRC35ZS-W                                 | heating season at a time. Include at          | least the heating season 'Average'.          |
|                                               |                                           |                                               |                                              |
| Function(indicate if present)                 |                                           | Average(mandatory)                            | Yes                                          |
| cooling                                       | Yes                                       | Warmer(if designated)                         | Yes                                          |
| heating                                       | Yes                                       | Colder(if designated)                         | No                                           |
| lite and                                      | averal value value                        | lite and                                      | sumbal value date                            |
| Item<br>Design load                           | symbol value unit                         | Item<br>Seasonal efficiency and energy effic  | symbol value class                           |
| cooling                                       | Pdesignc 3.50 kW                          | cooling                                       | SEER 8.40 A++                                |
| heating / Average                             | Pdesignh 3.00 kW                          | heating / Average                             | SCOP/A 4.70 A++                              |
| heating / Warmer                              | Pdesignh <b>3.70</b> kW                   | heating / Warmer                              | SCOP/W 6.00 A+++                             |
| heating / Colder                              | Pdesignh - kW                             | heating / Colder                              | SCOP/C                                       |
|                                               |                                           | ricating / Colder                             | unit                                         |
| Declared capacity at outdoor ten              | nperature Tdesignh                        | Back up heating capacity at outdoor           |                                              |
| heating / Average (-10°C)                     | Pdh <b>3.00</b> kW                        | heating / Average (-10°C)                     | elbu - kW                                    |
| heating / Warmer (2°C)                        | Pdh <b>3.70</b> kW                        | heating / Warmer (2°C)                        | elbu - kW                                    |
| heating / Colder (-22°C)                      | Pdh - kW                                  | heating / Colder (-22°C)                      | elbu - kW                                    |
|                                               |                                           |                                               | · · ·                                        |
| Declared capacity for cooling, at             | indoor temperature 27(19)°C and           | Declared energy efficiency ratio, at i        | ndoor temperature 27(19)°C and               |
| outdoor temperature Tj                        |                                           | outdoor temperature Tj                        |                                              |
| Tj=35°C                                       | Pdc 3.50 kW                               | Tj=35°C                                       | EERd <b>3.82</b> -                           |
| Tj=30°C                                       | Pdc <b>2.58</b> kW                        | Tj=30°C                                       | EERd <b>5.82</b> -                           |
| Tj=25°C                                       | Pdc <b>1.60</b> kW                        | Tj=25°C                                       | EERd <b>11.20</b> -                          |
| Tj=20°C                                       | Pdc 1.07 kW                               | Tj=20°C                                       | EERd 18.50 -                                 |
|                                               |                                           |                                               |                                              |
| Declared capacity for heating / A             |                                           | Declared coefficient of performance           |                                              |
| temperature 20°C and outdoor te<br>Ti=-7°C    | Pdh <b>2.65</b> kW                        | temperature 20°C and outdoor temp<br>Ti=-7°C  |                                              |
| Tj=2°C                                        | Pan <b>2.65</b> KW<br>Pdh <b>1.62</b> KW  | Tj=-7 C                                       | COPd <b>2.50</b> -<br>COPd <b>4.92</b> -     |
| Tj=2 C<br>Ti=7℃                               | Pan <b>1.62</b> KW<br>Pdh <b>1.04</b> KW  | Tj=2 C<br>Tj=7°C                              | COPd 4.92 -<br>COPd 6.10 -                   |
| Tj=12°C                                       | Pdh <b>1.16</b> kW                        | Tj=12°C                                       | COPd <b>7.86</b> -                           |
| Tj=bivalent temperature                       | Pdh <b>3.00</b> kW                        | Tj=bivalent temperature                       | COPd <b>2.40</b> -                           |
| Ti=operating limit                            | Pdh <b>2.52</b> kW                        | Tj=operating limit                            | COPd <b>2.10</b> -                           |
|                                               | Full 2.32 KW                              |                                               | COFu 2.10 -                                  |
| Declared capacity for heating / V             | Varmer season, at indoor                  | Declared coefficient of performance           | /Warmer season at indoor                     |
| temperature 20°C and outdoor te               |                                           | temperature 20°C and outdoor temp             |                                              |
| Tj=2℃                                         | Pdh 3.70 kW                               | Tj=2°C                                        | COPd <b>2.80</b> -                           |
| Tj=7℃                                         | Pdh <b>2.38</b> kW                        | Tj=7°C                                        | COPd <b>5.20</b> -                           |
| Tj=12°C                                       | Pdh 1.16 kW                               | Tj=12°C                                       | COPd <b>7.86</b> -                           |
| Tj=bivalent temperature                       | Pdh <b>3.70</b> kW                        | Tj=bivalent temperature                       | COPd <b>2.80</b> -                           |
| Tj=operating limit                            | Pdh 2.52 kW                               | Tj=operating limit                            | COPd 2.10 -                                  |
|                                               |                                           |                                               |                                              |
| Declared capacity for heating / C             |                                           | Declared coefficient of performance           |                                              |
| temperature 20°C and outdoor te               |                                           | temperature 20°C and outdoor temp             |                                              |
| Tj=-7°C                                       | Pdh - kW                                  | Tj=-7°C                                       | COPd                                         |
| Tj=2°C                                        | Pdh - kW                                  | Tj=2°C                                        | COPd                                         |
| Tj=7°C                                        | Pdh - kW                                  | Tj=7°C                                        | COPd<br>COPd                                 |
| Tj=12°C                                       | Pdh - kW<br>Pdh - kW                      | Tj=12°C                                       | COPd<br>COPd                                 |
| Tj=bivalent temperature<br>Tj=operating limit | Pdn - kW                                  | Tj=bivalent temperature<br>Tj=operating limit | COPd                                         |
| Tj=-15°C                                      | Pdh - kW                                  | Tj=-15°C                                      | COPd                                         |
| 1]=-13 C                                      | Full - KW                                 | 1]=-15 C                                      | COFu -                                       |
| Bivalent temperature                          |                                           | Operating limit temperature                   |                                              |
| heating / Average                             | Tbiv -10 °C                               | heating / Average                             | Tol <b>-15</b> °C                            |
| heating / Warmer                              | Tbiv 2 °C                                 | heating / Warmer                              | Tol -15 °C                                   |
| heating / Colder                              | Tbiv - °C                                 | heating / Colder                              | Tol - °C                                     |
|                                               |                                           | <u> </u>                                      | - L L                                        |
| Cycling interval capacity                     |                                           | Cycling interval efficiency                   |                                              |
| for cooling                                   | Pcycc - kW                                | for cooling                                   | EERcyc                                       |
| for heating                                   | Pcych - kW                                | for heating                                   | COPcyc                                       |
|                                               |                                           |                                               |                                              |
| Degradation coefficient                       |                                           | Degradation coefficient                       |                                              |
| cooling                                       | Cdc <b>0.25</b> -                         | heating                                       | Cdh <b>0.25</b> -                            |
|                                               |                                           | Annual all stricts                            |                                              |
| Electric power input in power mo              |                                           | Annual electricity consumption                |                                              |
| off mode                                      | Poff <u>4</u> W                           | cooling                                       | Qce <b>146</b> kWh/a                         |
| standby mode                                  | Psb 4 W                                   | heating / Average<br>heating / Warmer         | Qhe <u>895</u> kWh/a<br>Qhe <b>863</b> kWh/a |
| thermostat-off mode                           | Pto(cooling) 10 W                         | heating / colder                              | Qhe <b>863</b> kWh/a<br>Qhe - kWh/a          |
| orankoaso hostor mode                         | Pto(heating) 11 W                         |                                               |                                              |
| crankcase heater mode                         | Pck 0 W                                   | l                                             |                                              |
| Capacity control(indicate one of              | three options)                            | Other items                                   |                                              |
|                                               |                                           | Sound power level(indoor)                     | Lwa <b>54</b> dB(A)                          |
|                                               |                                           | Sound power level(outdoor)                    | Lwa 61 dB(A)                                 |
| fixed                                         | No                                        | Global warming potential                      | GWP 675 kgCO2eq.                             |
| staged                                        | No                                        | Rated air flow(indoor)                        | - 678 m3/h                                   |
| variable                                      | Yes                                       | Rated air flow(outdoor)                       | - <b>1890</b> m3/h                           |
|                                               |                                           |                                               | · · ·                                        |
| Contact details for obtaining                 |                                           | ufacturer or of its authorised represen       | tative.                                      |
|                                               | Aitsubishi Heavy Industries Air-Condition |                                               |                                              |
|                                               | The Square, Stockley Park, Uxbridge, I    | vilaalesex, UB11 1E1,                         |                                              |
|                                               | Jnited Kingdom                            |                                               |                                              |

#### SRK50ZS-W

| Information to identify the model(s)                                                                                                                                                                                                                                            | ) to which the information relates to:                                                                                                                                                                    | If function includes heating: Indicate                                                                                                                                                                                                                                                                   | e the heating season the                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Indoor unit model name                                                                                                                                                                                                                                                          | SRK50ZS-WB                                                                                                                                                                                                | information relates to. Indicated val                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Outdoor unit model name                                                                                                                                                                                                                                                         | SRC50ZS-W                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                          | t least the heating season 'Average'.                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                          | ······································                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Function(indicate if present)                                                                                                                                                                                                                                                   |                                                                                                                                                                                                           | Average(mandatory)                                                                                                                                                                                                                                                                                       | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| cooling                                                                                                                                                                                                                                                                         | Yes                                                                                                                                                                                                       | Warmer(if designated)                                                                                                                                                                                                                                                                                    | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| heating                                                                                                                                                                                                                                                                         | Yes                                                                                                                                                                                                       | Colder(if designated)                                                                                                                                                                                                                                                                                    | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| licating                                                                                                                                                                                                                                                                        | 100                                                                                                                                                                                                       | ooldor(ii doolgridtod)                                                                                                                                                                                                                                                                                   | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Item                                                                                                                                                                                                                                                                            | symbol value unit                                                                                                                                                                                         | Item                                                                                                                                                                                                                                                                                                     | symbol value class                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Design load                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                           | Seasonal efficiency and energy efficiency                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| cooling                                                                                                                                                                                                                                                                         | Pdesignc 5.00 kW                                                                                                                                                                                          | cooling                                                                                                                                                                                                                                                                                                  | SEER 7.00 A++                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| heating / Average                                                                                                                                                                                                                                                               | Pdesignh 3.80 kW                                                                                                                                                                                          | heating / Average                                                                                                                                                                                                                                                                                        | SCOP/A 4.60 A++                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| heating / Warmer                                                                                                                                                                                                                                                                | Pdesignh <b>4.60</b> kW                                                                                                                                                                                   | heating / Warmer                                                                                                                                                                                                                                                                                         | SCOP/W 5.70 A+++                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| heating / Colder                                                                                                                                                                                                                                                                | Pdesignh - kW                                                                                                                                                                                             | heating / Colder                                                                                                                                                                                                                                                                                         | SCOP/C                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Treating / Colder                                                                                                                                                                                                                                                               | Puesigiiii - KW                                                                                                                                                                                           | Treating / Colder                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Declared capacity at outdoor temp                                                                                                                                                                                                                                               | oratura Tdaaigab                                                                                                                                                                                          | Back up heating capacity at outdoo                                                                                                                                                                                                                                                                       | unit                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                                                                                                                                                                                                                 | s                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| heating / Average (-10°C)                                                                                                                                                                                                                                                       |                                                                                                                                                                                                           | heating / Average (-10°C)                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| heating / Warmer (2°C)                                                                                                                                                                                                                                                          | Pdh <b>4.60</b> kW                                                                                                                                                                                        | heating / Warmer (2°C)                                                                                                                                                                                                                                                                                   | elbu - kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| heating / Colder (-22°C)                                                                                                                                                                                                                                                        | Pdh - kW                                                                                                                                                                                                  | heating / Colder (-22°C)                                                                                                                                                                                                                                                                                 | elbu - kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Declared capacity for cooling, at in                                                                                                                                                                                                                                            | door temperature 27(19)°C and                                                                                                                                                                             | Declared energy efficiency ratio, at                                                                                                                                                                                                                                                                     | indoor temperature 27(19)°C and                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| outdoor temperature Tj                                                                                                                                                                                                                                                          |                                                                                                                                                                                                           | outdoor temperature Tj                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Tj=35°C                                                                                                                                                                                                                                                                         | Pdc <b>5.00</b> kW                                                                                                                                                                                        | Tj=35°C                                                                                                                                                                                                                                                                                                  | EERd <b>3.70</b> -                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Tj=30°C                                                                                                                                                                                                                                                                         | Pdc 3.65 kW                                                                                                                                                                                               | Tj=30°C                                                                                                                                                                                                                                                                                                  | EERd 5.40 -                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Tj=25°C                                                                                                                                                                                                                                                                         | Pdc 2.37 kW                                                                                                                                                                                               | Tj=25°C                                                                                                                                                                                                                                                                                                  | EERd 8.30 -                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Tj=20°C                                                                                                                                                                                                                                                                         | Pdc 1.90 kW                                                                                                                                                                                               | Tj=20°C                                                                                                                                                                                                                                                                                                  | EERd 13.00 -                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                                                                                                                                                                 | <u>.</u>                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Declared capacity for heating / Ave                                                                                                                                                                                                                                             | erage season, at indoor                                                                                                                                                                                   | Declared coefficient of performance                                                                                                                                                                                                                                                                      | e / Average season, at indoor                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| temperature 20°C and outdoor tem                                                                                                                                                                                                                                                |                                                                                                                                                                                                           | temperature 20°C and outdoor temp                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Tj=-7°C                                                                                                                                                                                                                                                                         | Pdh 3.35 kW                                                                                                                                                                                               | Tj=-7°C                                                                                                                                                                                                                                                                                                  | COPd <b>2.80</b> -                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Tj=2°C                                                                                                                                                                                                                                                                          | Pdh 2.00 kW                                                                                                                                                                                               | Tj=2°C                                                                                                                                                                                                                                                                                                   | COPd 4.60 -                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Tj=7°C                                                                                                                                                                                                                                                                          | Pdh <b>1.30</b> kW                                                                                                                                                                                        | Ti=7°C                                                                                                                                                                                                                                                                                                   | COPd 6.02 -                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Tj=12°C                                                                                                                                                                                                                                                                         | Pdh <b>1.50</b> kW                                                                                                                                                                                        | Tj=12°C                                                                                                                                                                                                                                                                                                  | COPd 7.41 -                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Tj=bivalent temperature                                                                                                                                                                                                                                                         | Pdh <b>3.80</b> kW                                                                                                                                                                                        | Tj=bivalent temperature                                                                                                                                                                                                                                                                                  | COPd <b>2.50</b> -                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Tj=operating limit                                                                                                                                                                                                                                                              | Pdh <b>3.20</b> kW                                                                                                                                                                                        | Ti=operating limit                                                                                                                                                                                                                                                                                       | COPd <b>2.30</b> -                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                                                                                                                                                                                                                                                                 | 1 dii 3.20 kw                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                          | 2.30                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Declared capacity for heating / Wa                                                                                                                                                                                                                                              | rmer season at indoor                                                                                                                                                                                     | Declared coefficient of performance                                                                                                                                                                                                                                                                      | /Warmer season at indoor                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| temperature 20°C and outdoor tem                                                                                                                                                                                                                                                |                                                                                                                                                                                                           | temperature 20°C and outdoor temp                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Tj=2°C                                                                                                                                                                                                                                                                          | Pdh <b>4.60</b> kW                                                                                                                                                                                        | Ti=2°C                                                                                                                                                                                                                                                                                                   | COPd <b>2.80</b> -                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Tj=7°C                                                                                                                                                                                                                                                                          | Pdh <b>2.90</b> kW                                                                                                                                                                                        | Ti=7°C                                                                                                                                                                                                                                                                                                   | COPd <b>5.38</b> -                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Tj=12°C                                                                                                                                                                                                                                                                         | Pdh <b>1.50</b> kW                                                                                                                                                                                        | Tj=12°C                                                                                                                                                                                                                                                                                                  | COPd <b>7.00</b> -                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ,                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Tj=bivalent temperature                                                                                                                                                                                                                                                         | Pdh <b>4.60</b> kW                                                                                                                                                                                        | Tj=bivalent temperature                                                                                                                                                                                                                                                                                  | COPd <b>2.80</b> -                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Tj=operating limit                                                                                                                                                                                                                                                              | Pdh <b>3.20</b> kW                                                                                                                                                                                        | Tj=operating limit                                                                                                                                                                                                                                                                                       | COPd 2.30 -                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Dealand an acity fair heating / Oal                                                                                                                                                                                                                                             | lalan a sana an indaan                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                          | / Oaldan assault indean                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Declared capacity for heating / Col                                                                                                                                                                                                                                             |                                                                                                                                                                                                           | Declared coefficient of performance                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| temperature 20°C and outdoor tem                                                                                                                                                                                                                                                |                                                                                                                                                                                                           | temperature 20°C and outdoor temp                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Tj=-7°C                                                                                                                                                                                                                                                                         | Pdh - kW                                                                                                                                                                                                  | Tj=-7°C                                                                                                                                                                                                                                                                                                  | COPd                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Tj=2°C                                                                                                                                                                                                                                                                          | Pdh - kW                                                                                                                                                                                                  | Tj=2°C                                                                                                                                                                                                                                                                                                   | COPd                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Tj=7°C                                                                                                                                                                                                                                                                          | Pdh - kW                                                                                                                                                                                                  | Tj=7°C                                                                                                                                                                                                                                                                                                   | COPd -                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Tj=12°C                                                                                                                                                                                                                                                                         | Pdh - kW                                                                                                                                                                                                  | Tj=12°C                                                                                                                                                                                                                                                                                                  | COPd                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Tj=bivalent temperature                                                                                                                                                                                                                                                         | Pdh - kW                                                                                                                                                                                                  | Tj=bivalent temperature                                                                                                                                                                                                                                                                                  | COPd                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Tj=operating limit                                                                                                                                                                                                                                                              | Pdh - kW                                                                                                                                                                                                  | Tj=operating limit                                                                                                                                                                                                                                                                                       | COPd                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Tj=-15°C                                                                                                                                                                                                                                                                        | Pdh - kW                                                                                                                                                                                                  | Tj=-15°C                                                                                                                                                                                                                                                                                                 | COPd                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                          | · · · ·                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Bivalent temperature                                                                                                                                                                                                                                                            |                                                                                                                                                                                                           | Operating limit temperature                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| heating / Average                                                                                                                                                                                                                                                               | Tbiv -10 °C                                                                                                                                                                                               | heating / Average                                                                                                                                                                                                                                                                                        | Tol <b>-15</b> °C                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| heating / Warmer                                                                                                                                                                                                                                                                | Tbiv 2 °C                                                                                                                                                                                                 | heating / Warmer                                                                                                                                                                                                                                                                                         | Tol <b>-15</b> °C                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| heating / Colder                                                                                                                                                                                                                                                                | Tbiv - °C                                                                                                                                                                                                 | heating / Colder                                                                                                                                                                                                                                                                                         | Tol - °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                          | 1 I                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Cycling interval capacity                                                                                                                                                                                                                                                       |                                                                                                                                                                                                           | Cycling interval efficiency                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| for cooling                                                                                                                                                                                                                                                                     | Pcycc - kW                                                                                                                                                                                                | for cooling                                                                                                                                                                                                                                                                                              | EERcyc                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| for heating                                                                                                                                                                                                                                                                     | Pcych - kW                                                                                                                                                                                                | for heating                                                                                                                                                                                                                                                                                              | COPcyc                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                                                                                                                                                                                                                                                                 | · · · · · · · · · · · · · · · · · · ·                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                          | · · · · ·                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                           | Degradation coefficient                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Degradation coefficient                                                                                                                                                                                                                                                         | Cdc <b>0.25</b> -                                                                                                                                                                                         | Degradation coefficient heating                                                                                                                                                                                                                                                                          | Cdh <b>0.25</b> -                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                                                                                                                                                                                                                                                 | Cdc <b>0.25</b> -                                                                                                                                                                                         | Degradation coefficient heating                                                                                                                                                                                                                                                                          | Cdh 0.25                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Degradation coefficient<br>cooling                                                                                                                                                                                                                                              |                                                                                                                                                                                                           | heating                                                                                                                                                                                                                                                                                                  | Cdh 0.25 -                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Degradation coefficient<br>cooling<br>Electric power input in power mode                                                                                                                                                                                                        | es other than 'act <u>ive mode'</u>                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Degradation coefficient<br>cooling<br>Electric power input in power mode<br>off mode                                                                                                                                                                                            | es other than 'active mode'<br>Poff <u>4</u> W                                                                                                                                                            | heating Annual electricity consumption cooling                                                                                                                                                                                                                                                           | Qce <b>250</b> kWh/a                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Degradation coefficient<br>cooling<br>Electric power input in power mode<br>off mode<br>standby mode                                                                                                                                                                            | es other than 'active mode'<br>Poff 4 W<br>Psb 4 W                                                                                                                                                        | heating Annual electricity consumption cooling heating / Average                                                                                                                                                                                                                                         | Qce <b>250</b> kWh/a<br>Qhe <b>1158</b> kWh/a                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Degradation coefficient<br>cooling<br>Electric power input in power mode<br>off mode                                                                                                                                                                                            | es other than 'active mode'<br>Poff 4 W<br>Psb 4 W<br>Pto(ccoling) 14 W                                                                                                                                   | heating<br>Annual electricity consumption<br>cooling<br>heating / Average<br>heating / Warmer                                                                                                                                                                                                            | Qce <b>250</b> kWh/a<br>Qhe <b>1158</b> kWh/a<br>Qhe <b>1131</b> kWh/a                                                                                                                                                                                                                                                                                                                                                                                                      |
| Degradation coefficient<br>cooling<br>Electric power input in power mode<br>off mode<br>standby mode<br>thermostat-off mode                                                                                                                                                     | es other than 'active mode'<br>Poff 4 W<br>Psb 4 W<br>Pt0(cooling) 14 W<br>Pt0(heating) 15 W                                                                                                              | heating Annual electricity consumption cooling heating / Average                                                                                                                                                                                                                                         | Qce <b>250</b> kWh/a<br>Qhe <b>1158</b> kWh/a                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Degradation coefficient<br>cooling<br>Electric power input in power mode<br>off mode<br>standby mode                                                                                                                                                                            | es other than 'active mode'<br>Poff 4 W<br>Psb 4 W<br>Pto(ccoling) 14 W                                                                                                                                   | heating<br>Annual electricity consumption<br>cooling<br>heating / Average<br>heating / Warmer                                                                                                                                                                                                            | Qce <b>250</b> kWh/a<br>Qhe <b>1158</b> kWh/a<br>Qhe <b>1131</b> kWh/a                                                                                                                                                                                                                                                                                                                                                                                                      |
| Degradation coefficient<br>cooling<br>Electric power input in power mode<br>off mode<br>standby mode<br>thermostat-off mode<br>crankcase heater mode                                                                                                                            | es other than 'active mode'<br>Poff 4 W<br>Psb 4 W<br>Pto(cooling) 14 W<br>Pto(heating) 15 W<br>Pck 0 W                                                                                                   | heating<br>Annual electricity consumption<br>cooling<br>heating / Average<br>heating / Warmer<br>heating / colder                                                                                                                                                                                        | Qce <b>250</b> kWh/a<br>Qhe <b>1158</b> kWh/a<br>Qhe <b>1131</b> kWh/a                                                                                                                                                                                                                                                                                                                                                                                                      |
| Degradation coefficient<br>cooling<br>Electric power input in power mode<br>off mode<br>standby mode<br>thermostat-off mode                                                                                                                                                     | es other than 'active mode'<br>Poff 4 W<br>Psb 4 W<br>Pto(cooling) 14 W<br>Pto(heating) 15 W<br>Pck 0 W                                                                                                   | heating Annual electricity consumption cooling heating / Average heating / Warmer heating / colder Other items                                                                                                                                                                                           | Qce <b>250</b> kWh/a<br>Qhe <b>1158</b> kWh/a<br>Qhe <b>1131</b> kWh/a<br>Qhe - kWh/a                                                                                                                                                                                                                                                                                                                                                                                       |
| Degradation coefficient<br>cooling<br>Electric power input in power mode<br>off mode<br>standby mode<br>thermostat-off mode<br>crankcase heater mode                                                                                                                            | es other than 'active mode'<br>Poff 4 W<br>Psb 4 W<br>Pto(cooling) 14 W<br>Pto(heating) 15 W<br>Pck 0 W                                                                                                   | heating Annual electricity consumption cooling heating / Average heating / Warmer heating / colder Other items Sound power level(indoor)                                                                                                                                                                 | Qce 250 kWh/a<br>Qhe 1158 kWh/a<br>Qhe 1131 kWh/a<br>Qhe - kWh/a<br>Lwa 59 dB(A)                                                                                                                                                                                                                                                                                                                                                                                            |
| Degradation coefficient<br>cooling<br>Electric power input in power mode<br>off mode<br>standby mode<br>thermostat-off mode<br>crankcase heater mode<br>Capacity control(indicate one of th                                                                                     | es other than 'active mode'<br>Poff 4 W<br>Psb 4 W<br>Pt0(cooling) 14 W<br>Pt0(heating) 15 W<br>Pck 0 W<br>ree options)                                                                                   | heating Annual electricity consumption cooling heating / Average heating / Warmer heating / colder Other items Sound power level(indoor) Sound power level(outdoor)                                                                                                                                      | Qce 250 kWh/a<br>Qhe 1158 kWh/a<br>Qhe 1131 kWh/a<br>Qhe - kWh/a<br>Lwa 59 dB(A)<br>Lwa 61 dB(A)                                                                                                                                                                                                                                                                                                                                                                            |
| Degradation coefficient<br>cooling<br>Electric power input in power mode<br>off mode<br>standby mode<br>thermostat-off mode<br>crankcase heater mode<br>Capacity control(indicate one of th<br>fixed                                                                            | es other than 'active mode'<br>Poff 4 W<br>Psb 4 W<br>Pto(cooling) 14 W<br>Pt0(heating) 15 W<br>Pck 0 W<br>ree options)                                                                                   | heating Annual electricity consumption cooling heating / Average heating / Warmer heating / colder Other items Sound power level(indoor) Sound power level(outdoor) Global warming potential                                                                                                             | Qce         250         kWh/a           Qhe         1158         kWh/a           Qhe         1131         kWh/a           Qhe         -         kWh/a           Qhe         -         kWh/a           Lwa         59         dB(A)           Lwa         61         dB(A)           GWP         675         kgCO2eq.                                                                                                                                                        |
| Degradation coefficient<br>cooling<br>Electric power input in power mode<br>off mode<br>standby mode<br>thermostat-off mode<br>crankcase heater mode<br>Capacity control(indicate one of th<br>fixed<br>staged                                                                  | es other than 'active mode'<br>Poff 4 W<br>Psb 4 W<br>Pto(cooling) 14 W<br>Pto(heating) 15 W<br>Pck 0 W<br>ree options)                                                                                   | heating Annual electricity consumption cooling heating / Average heating / Warmer heating / colder  Other items Sound power level(indoor) Sound power level(outdoor) Global warming potential Rated air flow(indoor)                                                                                     | Qce         250         kWh/a           Qhe         1158         kWh/a           Qhe         1131         kWh/a           Qhe         -         kWh/a           Lwa         59         dB(A)           Lwa         61         dB(A)           GWP         675         kgCO2eq.           -         726         m3/h |
| Degradation coefficient<br>cooling<br>Electric power input in power mode<br>off mode<br>standby mode<br>thermostat-off mode<br>crankcase heater mode<br>Capacity control(indicate one of th<br>fixed                                                                            | es other than 'active mode'<br>Poff 4 W<br>Psb 4 W<br>Pto(cooling) 14 W<br>Pt0(heating) 15 W<br>Pck 0 W<br>ree options)                                                                                   | heating Annual electricity consumption cooling heating / Average heating / Warmer heating / colder Other items Sound power level(indoor) Sound power level(outdoor) Global warming potential                                                                                                             | Qce         250         kWh/a           Qhe         1158         kWh/a           Qhe         1131         kWh/a           Qhe         -         kWh/a           Qhe         -         kWh/a           Lwa         59         dB(A)           Lwa         61         dB(A)           GWP         675         kgCO2eq.                                                                                                                                                        |
| Degradation coefficient<br>cooling<br>Electric power input in power mode<br>off mode<br>standby mode<br>thermostat-off mode<br>crankcase heater mode<br>Capacity control(indicate one of th<br>fixed<br>staged<br>variable                                                      | es other than 'active mode'<br>Poff 4 W<br>Psb 4 W<br>Pt0(cooling) 14 W<br>Pt0(heating) 15 W<br>Pck 0 W<br>ree options)<br>No<br>Yes                                                                      | heating Annual electricity consumption cooling heating / Average heating / Warmer heating / colder  Other items Sound power level(indoor) Sound power level(outdoor) Global warming potential Rated air flow(indoor) Rated air flow(outdoor)                                                             | Qce         250         kWh/a           Qhe         1158         kWh/a           Qhe         1131         kWh/a           Qhe         -         kWh/a           Qhe         -         kWh/a           Lwa         61         dB(A)           Lwa         61         dB(A)           GWP         675         kgCO2eq.           -         726         m3/h           -         1968         m3/h                                                                             |
| Degradation coefficient<br>cooling<br>Electric power input in power mode<br>off mode<br>standby mode<br>thermostat-off mode<br>crankcase heater mode<br>Capacity control(indicate one of th<br>fixed<br>staged<br>variable<br>Contact details for obtaining                     | es other than 'active mode'<br>Poff 4 W<br>Psb 4 W<br>Pto(cooling) 14 W<br>Pto(heating) 15 W<br>Pck 0 W<br>ree options)<br>No<br>Yes<br>Name and address of the mage                                      | heating Annual electricity consumption cooling heating / Average heating / Warmer heating / colder Other items Sound power level(indoor) Sound power level(outdoor) Global warming potential Rated air flow(indoor) Rated air flow(outdoor) anufacturer or of its authorised represer                    | Qce         250         kWh/a           Qhe         1158         kWh/a           Qhe         1131         kWh/a           Qhe         -         kWh/a           Qhe         -         kWh/a           Lwa         61         dB(A)           Lwa         61         dB(A)           GWP         675         kgCO2eq.           -         726         m3/h           -         1968         m3/h                                                                             |
| Degradation coefficient<br>cooling<br>Electric power input in power mode<br>off mode<br>standby mode<br>thermostat-off mode<br>crankcase heater mode<br>Capacity control(indicate one of th<br>fixed<br>staged<br>variable<br>Contact details for obtaining<br>more information | es other than 'active mode'<br>Poff 4 W<br>Psb 4 W<br>Pto(cooling) 14 W<br>Pt0(heating) 15 W<br>Pck 0 W<br>ree options)<br>No<br>Yes<br>Name and address of the m<br>subishi Heavy Industries Air-Conditi | heating Annual electricity consumption cooling heating / Average heating / Warmer heating / colder Other items Sound power level(indoor) Sound power level(outdoor) Global warming potential Rated air flow(indoor) Rated air flow(outdoor) anufacturer or of its authorised represer oning Europe, Ltd. | Qce         250         kWh/a           Qhe         1158         kWh/a           Qhe         1131         kWh/a           Qhe         -         kWh/a           Qhe         -         kWh/a           Lwa         61         dB(A)           Lwa         61         dB(A)           GWP         675         kgCO2eq.           -         726         m3/h           -         1968         m3/h                                                                             |
| Degradation coefficient<br>cooling<br>Electric power input in power mode<br>off mode<br>standby mode<br>thermostat-off mode<br>crankcase heater mode<br>Capacity control(indicate one of th<br>fixed<br>staged<br>variable<br>Contact details for obtaining<br>more information | es other than 'active mode'<br>Poff 4 W<br>Psb 4 W<br>Pto(cooling) 14 W<br>Pto(heating) 15 W<br>Pck 0 W<br>ree options)<br>No<br>Yes<br>Name and address of the mage                                      | heating Annual electricity consumption cooling heating / Average heating / Warmer heating / colder Other items Sound power level(indoor) Sound power level(outdoor) Global warming potential Rated air flow(indoor) Rated air flow(outdoor) anufacturer or of its authorised represer oning Europe, Ltd. | Qce         250         kWh/a           Qhe         1158         kWh/a           Qhe         1131         kWh/a           Qhe         -         kWh/a           Qhe         -         kWh/a           Lwa         61         dB(A)           Lwa         61         dB(A)           GWP         675         kgCO2eq.           -         726         m3/h           -         1968         m3/h                                                                             |

#### SRK20ZS-WB

| Information to identify the model(<br>Indoor unit model name | s) to which the information relates t<br>SRK20ZS-WB | <ul> <li>If function includes heating: Indicate information relates to. Indicated values in the information relates to indicated values in the information relates to indicated values in the information relates to indicate in the information relates</li></ul> |                                            |
|--------------------------------------------------------------|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| Outdoor unit model name                                      | SRC20ZS-WB                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | at least the heating season 'Average'.     |
| Function(indicate if present)                                |                                                     | Average(mandatory)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Yes                                        |
| cooling                                                      | Yes                                                 | Warmer(if designated)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Yes                                        |
| heating                                                      | Yes                                                 | Colder(if designated)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | No                                         |
| Item                                                         | symbol value unit                                   | Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | symbol value class                         |
| Design load<br>cooling                                       | Pdesignc 2.00 kW                                    | Seasonal efficiency and energy eff<br>cooling                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | SEER 8.50 A+++                             |
| heating / Average                                            | Pdesignh <b>2.60</b> kW                             | heating / Average                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | SCOP/A 4.60 A++                            |
| heating / Warmer                                             | Pdesignh 3.30 kW                                    | heating / Warmer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | SCOP/W <b>5.80</b> A+++                    |
| heating / Colder                                             | Pdesignh - kW                                       | heating / Colder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | SCOP/C                                     |
|                                                              | •                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | unit                                       |
| Declared capacity at outdoor tem                             |                                                     | Back up heating capacity at outdoo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                            |
| heating / Average (-10°C)<br>heating / Warmer (2°C)          | Pdh <b>2.60</b> kW<br>Pdh <b>3.30</b> kW            | heating / Average (-10°C)<br>heating / Warmer (2°C)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | elbu - kW<br>elbu - kW                     |
| heating / Colder (-22°C)                                     | Pdh - kW                                            | heating / Colder (-22°C)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | elbu - kW                                  |
|                                                              | i dii                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                            |
| Declared capacity for cooling, at                            | indoor temperature 27(19)°C and                     | Declared energy efficiency ratio, at                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | t indoor temperature 27(19)°C and          |
| outdoor temperature Tj                                       |                                                     | outdoor temperature Tj                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                            |
| Tj=35°C                                                      | Pdc 2.00 kW                                         | Tj=35°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | EERd <b>4.55</b> -                         |
| Tj=30°C                                                      | Pdc <b>1.40</b> kW                                  | Tj=30°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | EERd <b>6.80</b> -                         |
| Tj=25°C<br>Tj=20°C                                           | Pdc <b>1.00</b> kW<br>Pdc <b>1.00</b> kW            | Tj=25°C<br>Tj=20°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | EERd <b>11.80</b> -<br>EERd <b>18.20</b> - |
| 1]-20 C                                                      | Fuc 1.00 KW                                         | 1j-20 C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | EERu 10.20 -                               |
| Declared capacity for heating / A                            | verage season, at indoor                            | Declared coefficient of performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | e / Average season, at indoor              |
| temperature 20°C and outdoor te                              | mperature Tj                                        | temperature 20°C and outdoor tem                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | perature Tj                                |
| Tj=-7°C                                                      | Pdh <b>2.40</b> kW                                  | Tj=-7°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | COPd 2.50 -                                |
| Tj=2°C                                                       | Pdh <b>1.40</b> kW                                  | Tj=2°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | COPd <b>4.70</b> -                         |
| Tj=7℃<br>Tj=12℃                                              | Pdh <b>0.95</b> kW<br>Pdh <b>1.10</b> kW            | Tj=7℃<br>Tj=12℃                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | COPd 6.24 -<br>COPd 7.80 -                 |
| Tj=bivalent temperature                                      | Pdh <b>2.60</b> kW                                  | Tj=bivalent temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | COPd <b>2.20</b> -                         |
| Tj=operating limit                                           | Pdh <b>2.10</b> kW                                  | Ti=operating limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | COPd <b>2.05</b> -                         |
|                                                              | · · · · · · · · · · · · · · · · · · ·               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                            |
| Declared capacity for heating / W                            |                                                     | Declared coefficient of performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                            |
| temperature 20°C and outdoor te                              |                                                     | temperature 20°C and outdoor tem                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                            |
| Tj=2℃<br>Tj=7℃                                               | Pdh <b>3.30</b> kW<br>Pdh <b>2.10</b> kW            | Tj=2°C<br>Tj=7°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | COPd <b>2.57</b> -<br>COPd <b>5.12</b> -   |
| Tj=12°C                                                      | Pdh <b>1.10</b> kW                                  | Tj=7°C<br>Tj=12°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | COPd <b>7.80</b> -                         |
| Tj=bivalent temperature                                      | Pdh <b>3.30</b> kW                                  | Tj=bivalent temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | COPd <b>2.57</b> -                         |
| Tj=operating limit                                           | Pdh <b>2.10</b> kW                                  | Tj=operating limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | COPd <b>2.05</b> -                         |
|                                                              | L L                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>I</b>                                   |
| Declared capacity for heating / C                            |                                                     | Declared coefficient of performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                            |
| temperature 20°C and outdoor te<br>Tj=-7°C                   | Pdh - kW                                            | temperature 20°C and outdoor tem<br>Ti=-7°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | COPd -                                     |
| Tj=2°C                                                       | Pdh - kW                                            | Ti=2°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | COPd                                       |
| Tj=7°C                                                       | Pdh - kW                                            | Tj=7°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | COPd                                       |
| Tj=12°C                                                      | Pdh - kW                                            | Tj=12°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | COPd                                       |
| Tj=bivalent temperature                                      | Pdh - kW                                            | Tj=bivalent temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | COPd                                       |
| Tj=operating limit                                           | Pdh - kW                                            | Tj=operating limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | COPd                                       |
| Tj=-15℃                                                      | Pdh - kW                                            | Tj=-15°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | COPd                                       |
| Bivalent temperature                                         |                                                     | Operating limit temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                            |
| heating / Average                                            | Tbiv -10 °C                                         | heating / Average                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Tol <b>-15</b> °C                          |
| heating / Warmer                                             | Tbiv 2 °C                                           | heating / Warmer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Tol <b>-15</b> °C                          |
| heating / Colder                                             | Tbiv - °C                                           | heating / Colder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Tol - °C                                   |
|                                                              |                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                            |
| Cycling interval capacity<br>for cooling                     | Pcycc - kW                                          | Cycling interval efficiency<br>for cooling                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | EERcyc                                     |
| for heating                                                  | Pcycc - kW<br>Pcych - kW                            | for heating                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | EERcyc<br>COPcyc                           |
|                                                              | i oyon                                              | loi houling                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 001 030                                    |
| Degradation coefficient                                      |                                                     | Degradation coefficient                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                            |
| cooling                                                      | Cdc 0.25 -                                          | heating                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Cdh <b>0.25</b> -                          |
|                                                              |                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                            |
| Electric power input in power mo                             |                                                     | Annual electricity consumption<br>cooling                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Qce 83 kWh/a                               |
| off mode<br>standby mode                                     | Poff <u>4</u> W<br>Psb <u>4</u> W                   | heating / Average                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Qhe <b>793</b> kWh/a                       |
| thermostat-off mode                                          | Pto(cooling) 10 W                                   | heating / Warmer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Qhe <b>797</b> kWh/a                       |
|                                                              | Pto(heating) 11 W                                   | heating / colder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Qhe - kWh/a                                |
| crankcase heater mode                                        | Pck <b>0</b> W                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                            |
| Capacity control/indicate and of t                           | hrac antians)                                       | Othor itoms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                            |
| Capacity control(indicate one of t                           |                                                     | Other items<br>Sound power level(indoor)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Lwa 48 dB(A)                               |
|                                                              |                                                     | Sound power level(indoor)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Lwa <b>56</b> dB(A)                        |
| fixed                                                        | No                                                  | Global warming potential                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | GWP 675 kgCO2eq.                           |
| staged                                                       | No                                                  | Rated air flow(indoor)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | - <b>558</b> m3/h                          |
| variable                                                     | Yes                                                 | Rated air flow(outdoor)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | - <b>1644</b> m3/h                         |
| Contact datails for obtaining                                | Nome and address of the                             | nonufacturar or of its sutharized servers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ptotivo                                    |
| Contact details for obtaining<br>more information            | itsubishi Heavy Industries Air-Cond                 | nanufacturer or of its authorised represe<br>itioning Europe. Ltd.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | mauve.                                     |
|                                                              | The Square, Stockley Park, Uxbridg                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                            |
|                                                              | nited Kingdom                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                            |
|                                                              |                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                            |

#### SRK25ZS-WB

| Information to identify the model(                                                                                                                                                                                                                                                                         | s) to which the information relates to:                                                                                                                                                                                       | If function includes heating: Indicate                                                                                                                                                                                                                                                                                                                                                                                | e the heating season the                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Indoor unit model name                                                                                                                                                                                                                                                                                     | SRK25ZS-WB                                                                                                                                                                                                                    | information relates to. Indicated val                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Outdoor unit model name                                                                                                                                                                                                                                                                                    | SRC25ZS-W                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                       | t least the heating season 'Average'.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                                                                                                                                                                                                                                                                                            | L                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                       | 6 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Function(indicate if present)                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                               | Average(mandatory)                                                                                                                                                                                                                                                                                                                                                                                                    | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| cooling                                                                                                                                                                                                                                                                                                    | Yes                                                                                                                                                                                                                           | Warmer(if designated)                                                                                                                                                                                                                                                                                                                                                                                                 | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| heating                                                                                                                                                                                                                                                                                                    | Yes                                                                                                                                                                                                                           | Colder(if designated)                                                                                                                                                                                                                                                                                                                                                                                                 | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Item                                                                                                                                                                                                                                                                                                       | symbol value unit                                                                                                                                                                                                             | Item                                                                                                                                                                                                                                                                                                                                                                                                                  | symbol value class                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Design load                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                               | Seasonal efficiency and energy effi                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| cooling                                                                                                                                                                                                                                                                                                    | Pdesignc 2.50 kW                                                                                                                                                                                                              | cooling                                                                                                                                                                                                                                                                                                                                                                                                               | SEER 8.50 A+++                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| heating / Average                                                                                                                                                                                                                                                                                          | Pdesignh 2.70 kW                                                                                                                                                                                                              | heating / Average                                                                                                                                                                                                                                                                                                                                                                                                     | SCOP/A 4.70 A++                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| heating / Warmer                                                                                                                                                                                                                                                                                           | Pdesignh 3.30 kW                                                                                                                                                                                                              | heating / Warmer                                                                                                                                                                                                                                                                                                                                                                                                      | SCOP/W 5.90 A+++                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| heating / Colder                                                                                                                                                                                                                                                                                           | Pdesignh - kW                                                                                                                                                                                                                 | heating / Colder                                                                                                                                                                                                                                                                                                                                                                                                      | SCOP/C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                       | unit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Declared capacity at outdoor tem                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                               | Back up heating capacity at outdoo                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| heating / Average (-10°C)                                                                                                                                                                                                                                                                                  | Pdh <b>2.70</b> kW                                                                                                                                                                                                            | heating / Average (-10°C)                                                                                                                                                                                                                                                                                                                                                                                             | elbu - kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| heating / Warmer (2°C)                                                                                                                                                                                                                                                                                     | Pdh <b>3.30</b> kW                                                                                                                                                                                                            | heating / Warmer (2°C)                                                                                                                                                                                                                                                                                                                                                                                                | elbu - kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| heating / Colder (-22°C)                                                                                                                                                                                                                                                                                   | Pdh - kW                                                                                                                                                                                                                      | heating / Colder (-22°C)                                                                                                                                                                                                                                                                                                                                                                                              | elbu - kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Declared capacity for cooling, at                                                                                                                                                                                                                                                                          | indoor temperature 27(19)°C and                                                                                                                                                                                               | Declared energy efficiency ratio, at                                                                                                                                                                                                                                                                                                                                                                                  | indoor temperature 27(19)°C and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| outdoor temperature Tj                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                               | outdoor temperature Tj                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Tj=35℃                                                                                                                                                                                                                                                                                                     | Pdc 2.50 kW                                                                                                                                                                                                                   | Tj=35°C                                                                                                                                                                                                                                                                                                                                                                                                               | EERd <b>4.03</b> -<br>EERd <b>6.45</b> -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Tj=30°C                                                                                                                                                                                                                                                                                                    | Pdc <b>1.80</b> kW                                                                                                                                                                                                            | Tj=30°C                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Tj=25°C<br>Tj=20°C                                                                                                                                                                                                                                                                                         | Pdc 1.11 kW                                                                                                                                                                                                                   | Tj=25°C                                                                                                                                                                                                                                                                                                                                                                                                               | EERd <b>11.80</b> -<br>EERd <b>18.20</b> -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| TJ=20 C                                                                                                                                                                                                                                                                                                    | Pdc 1.10 kW                                                                                                                                                                                                                   | Tj=20°C                                                                                                                                                                                                                                                                                                                                                                                                               | EERd 18.20 -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Declared capacity for heating / A                                                                                                                                                                                                                                                                          | verage season at indeer                                                                                                                                                                                                       | Declared coofficient of performance                                                                                                                                                                                                                                                                                                                                                                                   | Average season at indeer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| temperature 20°C and outdoor te                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                               | Declared coefficient of performance<br>temperature 20°C and outdoor temp                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Ti=-7°C                                                                                                                                                                                                                                                                                                    | Pdh <b>2.40</b> kW                                                                                                                                                                                                            | Ti=-7°C                                                                                                                                                                                                                                                                                                                                                                                                               | COPd <b>2.50</b> -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Tj=2°C                                                                                                                                                                                                                                                                                                     | Pdh <b>2.40</b> KW<br>Pdh <b>1.40</b> KW                                                                                                                                                                                      | Ti=2°C                                                                                                                                                                                                                                                                                                                                                                                                                | COPd <b>2.50</b> -<br>COPd <b>4.92</b> -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Tj=2 C<br>Ti=7℃                                                                                                                                                                                                                                                                                            | Pan <b>1.40</b> KW<br>Pdh <b>0.95</b> KW                                                                                                                                                                                      | Ti=2 C                                                                                                                                                                                                                                                                                                                                                                                                                | COPd 4.92 -<br>COPd 6.15 -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Tj=12°C                                                                                                                                                                                                                                                                                                    | Pdh <b>1.10</b> kW                                                                                                                                                                                                            | Tj=7°C                                                                                                                                                                                                                                                                                                                                                                                                                | COPd <b>7.86</b> -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Tj=bivalent temperature                                                                                                                                                                                                                                                                                    | Pdh <b>2.70</b> kW                                                                                                                                                                                                            | Tj=bivalent temperature                                                                                                                                                                                                                                                                                                                                                                                               | COPd <b>2.40</b> -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Ti=operating limit                                                                                                                                                                                                                                                                                         | Pdh <b>2.30</b> kW                                                                                                                                                                                                            | Tj=operating limit                                                                                                                                                                                                                                                                                                                                                                                                    | COPd <b>2.10</b> -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                                                                                                                                                                                                                                                                                                            | Pull 2.30 KVV                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                       | COPu 2.10 -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Declared capacity for heating / W                                                                                                                                                                                                                                                                          | larmer season at indoor                                                                                                                                                                                                       | Declared coefficient of performance                                                                                                                                                                                                                                                                                                                                                                                   | /Warmer season at indoor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| temperature 20°C and outdoor te                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                               | temperature 20°C and outdoor temp                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Tj=2°C                                                                                                                                                                                                                                                                                                     | Pdh <b>3.30</b> kW                                                                                                                                                                                                            | Tj=2°C                                                                                                                                                                                                                                                                                                                                                                                                                | COPd <b>2.70</b> -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Tj=7°C                                                                                                                                                                                                                                                                                                     | Pdh <b>2.10</b> kW                                                                                                                                                                                                            | Tj=7°C                                                                                                                                                                                                                                                                                                                                                                                                                | COPd <b>5.23</b> -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Tj=12°C                                                                                                                                                                                                                                                                                                    | Pdh <b>1.10</b> kW                                                                                                                                                                                                            | Tj=12°C                                                                                                                                                                                                                                                                                                                                                                                                               | COPd <b>7.86</b> -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Tj=bivalent temperature                                                                                                                                                                                                                                                                                    | Pdh <b>3.30</b> kW                                                                                                                                                                                                            | Tj=bivalent temperature                                                                                                                                                                                                                                                                                                                                                                                               | COPd <b>2.70</b> -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Tj=operating limit                                                                                                                                                                                                                                                                                         | Pdh <b>2.10</b> kW                                                                                                                                                                                                            | Tj=operating limit                                                                                                                                                                                                                                                                                                                                                                                                    | COPd <b>2.10</b> -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                                                                                                                                                                                                                                                                                                            | 1 411 2.10                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Declared capacity for heating / C                                                                                                                                                                                                                                                                          | older season. at indoor                                                                                                                                                                                                       | Declared coefficient of performance                                                                                                                                                                                                                                                                                                                                                                                   | e / Colder season, at indoor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| temperature 20°C and outdoor te                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                               | temperature 20°C and outdoor temp                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Tj=-7°C                                                                                                                                                                                                                                                                                                    | Pdh - kW                                                                                                                                                                                                                      | Tj=-7°C                                                                                                                                                                                                                                                                                                                                                                                                               | COPd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Tj=2°C                                                                                                                                                                                                                                                                                                     | Pdh - kW                                                                                                                                                                                                                      | Tj=2°C                                                                                                                                                                                                                                                                                                                                                                                                                | COPd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Tj=7°C                                                                                                                                                                                                                                                                                                     | Pdh - kW                                                                                                                                                                                                                      | Tj=7°C                                                                                                                                                                                                                                                                                                                                                                                                                | COPd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Tj=12°C                                                                                                                                                                                                                                                                                                    | Pdh - kW                                                                                                                                                                                                                      | Tj=12°C                                                                                                                                                                                                                                                                                                                                                                                                               | COPd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Tj=bivalent temperature                                                                                                                                                                                                                                                                                    | Pdh - kW                                                                                                                                                                                                                      | Tj=bivalent temperature                                                                                                                                                                                                                                                                                                                                                                                               | COPd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Tj=operating limit                                                                                                                                                                                                                                                                                         | Pdh - kW                                                                                                                                                                                                                      | Tj=operating limit                                                                                                                                                                                                                                                                                                                                                                                                    | COPd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Tj=-15°C                                                                                                                                                                                                                                                                                                   | Pdh - kW                                                                                                                                                                                                                      | Tj=-15°C                                                                                                                                                                                                                                                                                                                                                                                                              | COPd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                                                                                                                                                                                                                                                            | <b>i</b>                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                       | · ·                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Bivalent temperature                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                               | Operating limit temperature                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| heating / Average                                                                                                                                                                                                                                                                                          | Tbiv <b>-10</b> °C                                                                                                                                                                                                            | heating / Average                                                                                                                                                                                                                                                                                                                                                                                                     | Tol <b>-15</b> °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| heating / Warmer                                                                                                                                                                                                                                                                                           | Tbiv <u>2</u> °C                                                                                                                                                                                                              | heating / Warmer                                                                                                                                                                                                                                                                                                                                                                                                      | Tol <u>-15</u> °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| heating / Colder                                                                                                                                                                                                                                                                                           | Tbiv - °C                                                                                                                                                                                                                     | heating / Colder                                                                                                                                                                                                                                                                                                                                                                                                      | Tol - °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| -                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Cycling interval capacity                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                               | Cycling interval efficiency                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| for cooling                                                                                                                                                                                                                                                                                                | Pcycc - kW                                                                                                                                                                                                                    | for cooling                                                                                                                                                                                                                                                                                                                                                                                                           | EERcyc -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                                                                                                                            | Pcycc - kW<br>Pcych - kW                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                       | EERcyc<br>COPcyc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| for cooling<br>for heating                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                               | for cooling<br>for heating                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| for cooling<br>for heating<br>Degradation coefficient                                                                                                                                                                                                                                                      | Pcych - kW                                                                                                                                                                                                                    | for cooling<br>for heating                                                                                                                                                                                                                                                                                                                                                                                            | COPcyc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| for cooling<br>for heating                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                               | for cooling<br>for heating                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| for cooling<br>for heating<br>Degradation coefficient<br>cooling                                                                                                                                                                                                                                           | Pcych - kW<br>Cdc <b>0.25</b> -                                                                                                                                                                                               | for cooling<br>for heating           Degradation coefficient<br>heating                                                                                                                                                                                                                                                                                                                                               | COPcyc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| for cooling<br>for heating<br>Degradation coefficient<br>cooling<br>Electric power input in power mo                                                                                                                                                                                                       | Pcych - kW Cdc 0.25 -                                                                                                                                                                                                         | for cooling<br>for heating Degradation coefficient<br>heating Annual electricity consumption                                                                                                                                                                                                                                                                                                                          | COPcyc<br>Cdh <b>0.25</b> -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| for cooling<br>for heating<br>Degradation coefficient<br>cooling<br>Electric power input in power mo<br>off mode                                                                                                                                                                                           | Pcych         -         kW           Cdc         0.25         -           des other than 'active mode'<br>Poff         4         W                                                                                            | for cooling<br>for heating Degradation coefficient<br>heating Annual electricity consumption<br>cooling                                                                                                                                                                                                                                                                                                               | COPcyc<br>Cdh <b>0.25</b> -<br>Qce <b>103</b> kWh/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| for cooling<br>for heating<br>Degradation coefficient<br>cooling<br>Electric power input in power mo<br>off mode<br>standby mode                                                                                                                                                                           | Pcych         -         kW           Cdc         0.25         -           des other than 'active mode'         -         -           Poff         4         W           Psb         4         W                               | for cooling<br>for heating Degradation coefficient<br>heating Annual electricity consumption<br>cooling<br>heating / Average                                                                                                                                                                                                                                                                                          | COPcyc<br>Cdh 0.25 -<br>Qce 103 kWh/a<br>Qhe 804 kWh/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| for cooling<br>for heating<br>Degradation coefficient<br>cooling<br>Electric power input in power mo<br>off mode                                                                                                                                                                                           | Pcych     -     kW       Cdc     0.25     -       des other than 'active mode'     -     -       Poff     4     W       Psb     4     W       Pto(ccoling)     10     W                                                       | for cooling<br>for heating Degradation coefficient<br>heating Annual electricity consumption<br>cooling<br>heating / Average<br>heating / Warmer                                                                                                                                                                                                                                                                      | COPcyc<br>Cdh 0.25 -<br>Qce 103 kWh/a<br>Qhe 804 kWh/a<br>Qhe 784 kWh/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| for cooling<br>for heating<br>Degradation coefficient<br>cooling<br>Electric power input in power mo<br>off mode<br>standby mode<br>thermostat-off mode                                                                                                                                                    | Pcych     -     kW       Cdc     0.25     -       des other than 'active mode'     -     -       Poff     4     W       Psb     4     W       Pto(cooling)     10     W       Pto(heating)     11     W                       | for cooling<br>for heating Degradation coefficient<br>heating Annual electricity consumption<br>cooling<br>heating / Average                                                                                                                                                                                                                                                                                          | COPcyc<br>Cdh 0.25 -<br>Qce 103 kWh/a<br>Qhe 804 kWh/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| for cooling<br>for heating<br>Degradation coefficient<br>cooling<br>Electric power input in power mo<br>off mode<br>standby mode                                                                                                                                                                           | Pcych     -     kW       Cdc     0.25     -       des other than 'active mode'     -     -       Poff     4     W       Psb     4     W       Pto(ccoling)     10     W                                                       | for cooling<br>for heating Degradation coefficient<br>heating Annual electricity consumption<br>cooling<br>heating / Average<br>heating / Warmer                                                                                                                                                                                                                                                                      | COPcyc<br>Cdh 0.25 -<br>Qce 103 kWh/a<br>Qhe 804 kWh/a<br>Qhe 784 kWh/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| for cooling<br>for heating<br>Degradation coefficient<br>cooling<br>Electric power input in power mo<br>off mode<br>standby mode<br>thermostat-off mode<br>crankcase heater mode                                                                                                                           | Pcych     -     kW       Cdc     0.25     -       des other than 'active mode'<br>Poff     4     W       Psb     4     W       Pto(cooling)     10     W       Pto(heating)     11     W       Pck     0     W                | for cooling<br>for heating Degradation coefficient<br>heating Annual electricity consumption<br>cooling<br>heating / Average<br>heating / Warmer<br>heating / colder                                                                                                                                                                                                                                                  | COPcyc<br>Cdh 0.25 -<br>Qce 103 kWh/a<br>Qhe 804 kWh/a<br>Qhe 784 kWh/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| for cooling<br>for heating<br>Degradation coefficient<br>cooling<br>Electric power input in power mo<br>off mode<br>standby mode<br>thermostat-off mode                                                                                                                                                    | Pcych     -     kW       Cdc     0.25     -       des other than 'active mode'<br>Poff     4     W       Psb     4     W       Pto(cooling)     10     W       Pto(heating)     11     W       Pck     0     W                | for cooling<br>for heating Degradation coefficient<br>heating Annual electricity consumption<br>cooling<br>heating / Average<br>heating / Warmer<br>heating / colder Other items                                                                                                                                                                                                                                      | COPcyc         -           Cdh         0.25           Qce         103           kWh/a           Qhe         804           kWh/a           Qhe         784           kWh/a           Qhe         -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| for cooling<br>for heating<br>Degradation coefficient<br>cooling<br>Electric power input in power mo<br>off mode<br>standby mode<br>thermostat-off mode<br>crankcase heater mode                                                                                                                           | Pcych     -     kW       Cdc     0.25     -       des other than 'active mode'<br>Poff     4     W       Psb     4     W       Pto(cooling)     10     W       Pto(heating)     11     W       Pck     0     W                | for cooling<br>for heating Degradation coefficient<br>heating Annual electricity consumption<br>cooling<br>heating / Average<br>heating / Warmer<br>heating / colder Other items<br>Sound power level(indoor)                                                                                                                                                                                                         | COPcyc         -           Cdh         0.25           Qce         103           kWh/a         804           Qhe         784           Qhe         -           kWh/a         -           kWh/a         -           Lwa         50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| for cooling<br>for heating<br>Degradation coefficient<br>cooling<br>Electric power input in power mo<br>off mode<br>standby mode<br>thermostat-off mode<br>crankcase heater mode<br>Capacity control(indicate one of t                                                                                     | Pcych     -     kW       Cdc     0.25     -       des other than 'active mode'     -       Poff     4     W       Psb     4     W       Pto(cooling)     10     W       Pto(heating)     11     W       Pck     0     W       | for cooling<br>for heating Degradation coefficient<br>heating Annual electricity consumption<br>cooling<br>heating / Average<br>heating / Warmer<br>heating / colder Other items<br>Sound power level(indoor)<br>Sound power level(outdoor)                                                                                                                                                                           | COPcyc         -           Cdh         0.25           Qce         103           kWh/a           Qhe         804           kWh/a           Qhe         -           kWh/a         -           kwh/a         -           kwh/a         -                                                                                                                                                                                                                                                                                                                                                              |
| for cooling<br>for heating<br>Degradation coefficient<br>cooling<br>Electric power input in power mo<br>off mode<br>standby mode<br>thermostat-off mode<br>crankcase heater mode<br>Capacity control(indicate one of t<br>fixed                                                                            | Pcych     -     kW       Cdc     0.25     -       des other than 'active mode'     -     -       Poff     4     W       Psb     4     W       Pto(cooling)     10     W       Pto(heating)     11     W       Pck     0     W | for cooling<br>for heating Degradation coefficient<br>heating Annual electricity consumption<br>cooling<br>heating / Average<br>heating / Warmer<br>heating / colder Other items<br>Sound power level(indoor)<br>Sound power level(outdoor)<br>Global warming potential                                                                                                                                               | COPcyc         -           Cdh         0.25           Qce         103           Max         804           Wh/a         804           Qhe         784           Wh/a         -           Wh/a         -           Lwa         50           GWP         675                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| for cooling<br>for heating<br>Degradation coefficient<br>cooling<br>Electric power input in power mo<br>off mode<br>standby mode<br>thermostat-off mode<br>crankcase heater mode<br>Capacity control(indicate one of t<br>fixed<br>staged                                                                  | Pcych     -     kW       Cdc     0.25     -       des other than 'active mode'     -     -       Poff     4     W       Psb     4     W       Pto(cooling)     10     W       Pto(heating)     11     W       Pck     0     W | for cooling<br>for heating Degradation coefficient<br>heating Annual electricity consumption<br>cooling<br>heating / Average<br>heating / Warmer<br>heating / colder Other items<br>Sound power level(indoor)<br>Sound power level(outdoor)<br>Global warming potential<br>Rated air flow(indoor)                                                                                                                     | COPcyc         -           Cdh         0.25           Qce         103           Me         804           KWh/a           Qhe         784           KWh/a           Qhe         -           KWh/a           Qhe         -           KWh/a           KWh/a           KWh/a           Ghe         -           KWh/a           KWA           KWA |
| for cooling<br>for heating<br>Degradation coefficient<br>cooling<br>Electric power input in power mo<br>off mode<br>standby mode<br>thermostat-off mode<br>crankcase heater mode<br>Capacity control(indicate one of t<br>fixed                                                                            | Pcych     -     kW       Cdc     0.25     -       des other than 'active mode'     -     -       Poff     4     W       Psb     4     W       Pto(cooling)     10     W       Pto(heating)     11     W       Pck     0     W | for cooling<br>for heating Degradation coefficient<br>heating Annual electricity consumption<br>cooling<br>heating / Average<br>heating / Warmer<br>heating / colder Other items<br>Sound power level(indoor)<br>Sound power level(outdoor)<br>Global warming potential                                                                                                                                               | COPcyc         -           Cdh         0.25           Qce         103           Max         804           Wh/a         804           Qhe         784           Wh/a         -           Wh/a         -           Lwa         50           GWP         675                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| for cooling<br>for heating<br>Degradation coefficient<br>cooling<br>Electric power input in power mo<br>off mode<br>standby mode<br>thermostat-off mode<br>crankcase heater mode<br>Capacity control(indicate one of t<br>fixed<br>staged<br>variable                                                      | Pcych     -     kW       Cdc     0.25     -       des other than 'active mode'     -     -       Poff     4     W       Pbb     4     W       Pto(cooling)     10     W       Pto(heating)     11     W       Pck     0     W | for cooling         for heating         Degradation coefficient         heating         Annual electricity consumption         cooling         heating / Average         heating / Varmer         heating / colder         Other items         Sound power level(indoor)         Sound power level(outdoor)         Global warming potential         Rated air flow(indoor)         Rated air flow(outdoor)           | COPcyc         -           Cdh         0.25           Qce         103           Qhe         804           kWh/a           Qhe         784           kWh/a           Qhe         -           kWh/a           GWP         675           kgCO2eq.           -         594           -         1644                                                                                                                                                                                                                                                                                                                                            |
| for cooling<br>for heating<br>Degradation coefficient<br>cooling<br>Electric power input in power mo<br>off mode<br>standby mode<br>thermostat-off mode<br>crankcase heater mode<br>Capacity control(indicate one of t<br>fixed<br>staged<br>variable<br>Contact details for obtaining                     | Pcych     -     kW       Cdc     0.25     -       des other than 'active mode'     -     -       Poff     4     W       Pbb     4     W       Pto(cooling)     10     W       Pto(heating)     11     W       Pck     0     W | for cooling<br>for heating Degradation coefficient<br>heating Annual electricity consumption<br>cooling<br>heating / Average<br>heating / Warmer<br>heating / colder Other items<br>Sound power level(indoor)<br>Sound power level(outdoor)<br>Global warming potential<br>Rated air flow(indoor)<br>Rated air flow(outdoor)                                                                                          | COPcyc         -           Cdh         0.25           Qce         103           Qhe         804           kWh/a           Qhe         784           kWh/a           Qhe         -           kWh/a           GWP         675           kgCO2eq.           -         594           -         1644                                                                                                                                                                                                                                                                                                                                            |
| for cooling<br>for heating<br>Degradation coefficient<br>cooling<br>Electric power input in power mo<br>off mode<br>standby mode<br>thermostat-off mode<br>crankcase heater mode<br>Capacity control(indicate one of t<br>fixed<br>staged<br>variable<br>Contact details for obtaining<br>more information | Pcych     -     kW       Cdc     0.25     -       des other than 'active mode'     Poff     4       Poff     4     W       Pto     10     W       Pto(heating)     11     W       Pck     0     W                             | for cooling<br>for heating Degradation coefficient<br>heating Annual electricity consumption<br>cooling<br>heating / Average<br>heating / Average<br>heating / Warmer<br>heating / colder Other items<br>Sound power level(indoor)<br>Sound power level(outdoor)<br>Global warming potential<br>Rated air flow(indoor)<br>Rated air flow(outdoor)<br>unufacturer or of its authorised represent<br>poing Europe, Ltd. | COPcyc         -           Cdh         0.25           Qce         103           Qhe         804           kWh/a           Qhe         784           kWh/a           Qhe         -           kWh/a           GWP         675           kgCO2eq.           -         594           -         1644                                                                                                                                                                                                                                                                                                                                            |
| for cooling<br>for heating<br>Degradation coefficient<br>cooling<br>Electric power input in power mo<br>off mode<br>standby mode<br>thermostat-off mode<br>crankcase heater mode<br>Capacity control(indicate one of t<br>fixed<br>staged<br>variable<br>Contact details for obtaining<br>more information | Pcych     -     kW       Cdc     0.25     -       des other than 'active mode'     -     -       Poff     4     W       Psb     4     W       Pto(cooling)     10     W       Pto(heating)     11     W       Pck     0     W | for cooling<br>for heating Degradation coefficient<br>heating Annual electricity consumption<br>cooling<br>heating / Average<br>heating / Average<br>heating / Warmer<br>heating / colder Other items<br>Sound power level(indoor)<br>Sound power level(outdoor)<br>Global warming potential<br>Rated air flow(indoor)<br>Rated air flow(outdoor)<br>unufacturer or of its authorised represent<br>poing Europe, Ltd. | COPcyc         -           Cdh         0.25           Qce         103           kWh/a           Qhe         804           kWh/a           Qhe         784           kWh/a           Qhe         -           kWh/a         -           kgCO2eq.         -           -         594           -         1644                                                                                                                                                                                                                                                                                          |

#### SRK35ZS-WB

| Information to identify the model(s)                            | to which the information relates to:     | If function includes heating: Indicate                        | the heating season the                   |
|-----------------------------------------------------------------|------------------------------------------|---------------------------------------------------------------|------------------------------------------|
| Indoor unit model name                                          | SRK35ZS-WB                               | information relates to. Indicated valu                        |                                          |
| Outdoor unit model name                                         | SRC35ZS-W                                | heating season at a time. Include at                          | least the heating season 'Average'.      |
| Function (in disease if more such)                              |                                          |                                                               | ¥                                        |
| Function(indicate if present)                                   | Yes                                      | Average(mandatory)                                            | Yes<br>Yes                               |
| cooling<br>heating                                              | Yes                                      | Warmer(if designated)<br>Colder(if designated)                | No                                       |
| neating                                                         | Tes                                      | Colder(II designated)                                         | NO                                       |
| Item                                                            | symbol value unit                        | Item                                                          | symbol value class                       |
| Design load                                                     |                                          | Seasonal efficiency and energy efficiency                     |                                          |
| cooling                                                         | Pdesignc 3.50 kW                         | cooling                                                       | SEER 8.40 A++                            |
| heating / Average                                               | Pdesignh 3.00 kW                         | heating / Average                                             | SCOP/A 4.70 A++                          |
| heating / Warmer                                                | Pdesignh <b>3.70</b> kW                  | heating / Warmer                                              | SCOP/W 6.00 A+++                         |
| heating / Colder                                                | Pdesignh - kW                            | heating / Colder                                              | SCOP/C                                   |
|                                                                 |                                          |                                                               | unit                                     |
| Declared capacity at outdoor tempe<br>heating / Average (-10°C) | Pdh <b>3.00</b> kW                       | Back up heating capacity at outdoor heating / Average (-10°C) | elbu - kW                                |
| heating / Warmer (2°C)                                          | Pdh <b>3.70</b> kW                       | heating / Warmer (2°C)                                        | elbu - kW                                |
| heating / Colder (-22°C)                                        | Pdh - kW                                 | heating / Colder (-22°C)                                      | elbu - kW                                |
|                                                                 | i dii                                    | fiedding, ooldol (22 o)                                       | CIDU INT                                 |
| Declared capacity for cooling, at inc                           | loor temperature 27(19)°C and            | Declared energy efficiency ratio, at i                        | ndoor temperature 27(19)°C and           |
| outdoor temperature Tj                                          | ·····                                    | outdoor temperature Tj                                        |                                          |
| Tj=35°C                                                         | Pdc 3.50 kW                              | Tj=35°C                                                       | EERd 3.82 -                              |
| Tj=30°C                                                         | Pdc 2.58 kW                              | Tj=30°C                                                       | EERd 5.82 -                              |
| Tj=25°C                                                         | Pdc 1.60 kW                              | Tj=25°C                                                       | EERd 11.20 -                             |
| Tj=20°C                                                         | Pdc 1.07 kW                              | Tj=20°C                                                       | EERd 18.50 -                             |
|                                                                 |                                          | 1                                                             |                                          |
| Declared capacity for heating / Ave                             |                                          | Declared coefficient of performance                           |                                          |
| temperature 20°C and outdoor temp                               |                                          | temperature 20°C and outdoor temp                             |                                          |
| Tj=-7°C                                                         | Pdh 2.65 kW                              | Tj=-7°C                                                       | COPd <b>2.50</b> -                       |
| Tj=2℃<br>Tj=7℃                                                  | Pdh <b>1.62</b> kW<br>Pdh <b>1.04</b> kW | Tj=2°C<br>Ti=7°C                                              | COPd <b>4.92</b> -<br>COPd <b>6.10</b> - |
| Tj=7°C<br>Tj=12°C                                               |                                          | Tj=7°C<br>Tj=12°C                                             |                                          |
|                                                                 | Pdh 1.16 kW                              | ,                                                             | COPd <b>7.86</b> -                       |
| Tj=bivalent temperature                                         | Pdh <b>3.00</b> kW<br>Pdh <b>2.52</b> kW | Tj=bivalent temperature                                       | COPd <b>2.40</b> -                       |
| Tj=operating limit                                              | Pdh 2.52 kW                              | Tj=operating limit                                            | COPd 2.10 -                              |
| Declared capacity for heating / War                             | mer season, at indoor                    | Declared coefficient of performance                           | /Warmer season at indoor                 |
| temperature 20°C and outdoor temp                               |                                          | temperature 20°C and outdoor temp                             |                                          |
| Tj=2°C                                                          | Pdh <b>3.70</b> kW                       | Tj=2°C                                                        | COPd <b>2.80</b> -                       |
| Tj=7℃                                                           | Pdh <b>2.38</b> kW                       | Tj=7°C                                                        | COPd <b>5.20</b> -                       |
| Tj=12°C                                                         | Pdh <b>1.16</b> kW                       | Tj=12°C                                                       | COPd <b>7.86</b> -                       |
| Tj=bivalent temperature                                         | Pdh <b>3.70</b> kW                       | Tj=bivalent temperature                                       | COPd <b>2.80</b> -                       |
| Tj=operating limit                                              | Pdh <b>2.52</b> kW                       | Tj=operating limit                                            | COPd 2.10 -                              |
|                                                                 | · · ·                                    |                                                               | · ·                                      |
| Declared capacity for heating / Cold                            |                                          | Declared coefficient of performance                           |                                          |
| temperature 20°C and outdoor temp                               |                                          | temperature 20°C and outdoor temp                             |                                          |
| Tj=-7°C                                                         | Pdh - kW                                 | Tj=-7°C                                                       | COPd                                     |
| Tj=2°C                                                          | Pdh - kW                                 | Tj=2°C                                                        | COPd                                     |
| Tj=7°C                                                          | Pdh - kW                                 | Tj=7°C                                                        | COPd                                     |
| Tj=12°C                                                         | Pdh - kW                                 | Tj=12°C                                                       | COPd                                     |
| Tj=bivalent temperature                                         | Pdh - kW                                 | Tj=bivalent temperature                                       | COPd                                     |
| Tj=operating limit                                              | Pdh - kW                                 | Tj=operating limit                                            | COPd                                     |
| Tj=-15°C                                                        | Pdh - kW                                 | Tj=-15°C                                                      | COPd                                     |
| Bivalent temperature                                            |                                          | Operating limit temperature                                   |                                          |
| heating / Average                                               | Tbiv -10 °C                              | heating / Average                                             | Tol <b>-15</b> °C                        |
| heating / Warmer                                                | Tbiv 2 °C                                | heating / Warmer                                              | Tol -15 °C                               |
| heating / Colder                                                | Tbiv - °C                                | heating / Colder                                              | Tol - °C                                 |
|                                                                 |                                          |                                                               |                                          |
| Cycling interval capacity                                       |                                          | Cycling interval efficiency                                   |                                          |
| for cooling                                                     | Pcycc - kW                               | for cooling                                                   | EERcyc                                   |
| for heating                                                     | Pcych - kW                               | for heating                                                   | COPcyc                                   |
| De une de tiere en efficient                                    |                                          | De une de tiere en efficient                                  |                                          |
| Degradation coefficient<br>cooling                              | Cdc <b>0.25</b> -                        | Degradation coefficient<br>heating                            | Cdh <b>0.25</b> -                        |
| cooling                                                         | 0.25                                     | neating                                                       | 0.25                                     |
| Electric power input in power mode                              | s other than 'active mode'               | Annual electricity consumption                                |                                          |
| off mode                                                        | Poff 4 W                                 | cooling                                                       | Qce 146 kWh/a                            |
| standby mode                                                    | Psb 4 W                                  | heating / Average                                             | Qhe 895 kWh/a                            |
| thermostat-off mode                                             | Pto(cooling) 10 W                        | heating / Warmer                                              | Qhe 863 kWh/a                            |
|                                                                 | Pto(heating) 11 W                        | heating / colder                                              | Qhe - kWh/a                              |
| crankcase heater mode                                           | Pck 0 W                                  |                                                               |                                          |
|                                                                 |                                          |                                                               |                                          |
| Capacity control(indicate one of three                          | e options)                               | Other items                                                   |                                          |
|                                                                 |                                          | Sound power level(indoor)                                     | Lwa 54 dB(A)                             |
|                                                                 | <u> </u>                                 | Sound power level(outdoor)                                    | Lwa 61 dB(A)                             |
| fixed                                                           | No                                       | Global warming potential                                      | GWP 675 kgCO2eq.                         |
| staged                                                          | No                                       | Rated air flow(indoor)                                        | - 678 m3/h                               |
| variable                                                        | Yes                                      | Rated air flow(outdoor)                                       | - <b>1890</b> m3/h                       |
| Contact details for obtaining                                   | Name and address of the ma               | nufacturer or of its authorised represen                      | tative.                                  |
|                                                                 | ubishi Heavy Industries Air-Conditio     |                                                               |                                          |
|                                                                 | e Square, Stockley Park, Uxbridge,       |                                                               |                                          |
| Unite                                                           | ed Kingdom                               |                                                               |                                          |
| 1                                                               |                                          |                                                               |                                          |

#### SRK50ZS-WB

|                                                                      | I(s) to which the information relates to:             | If function includes heating: Indicate                                         |                                           |
|----------------------------------------------------------------------|-------------------------------------------------------|--------------------------------------------------------------------------------|-------------------------------------------|
| Indoor unit model name<br>Outdoor unit model name                    | SRK50ZS-WB<br>SRC50ZS-W                               | information relates to. Indicated valu<br>heating season at a time. Include at |                                           |
| Function(indicate if present)                                        |                                                       | Average(mandatory)                                                             | Yes                                       |
| cooling                                                              | Yes                                                   | Warmer(if designated)                                                          | Yes                                       |
| heating                                                              | Yes                                                   | Colder(if designated)                                                          | No                                        |
| Item                                                                 | symbol value unit                                     | Item                                                                           | symbol value class                        |
| Design load<br>cooling                                               | Pdesignc <b>5.00</b> kW                               | Seasonal efficiency and energy effic<br>cooling                                | SEER 7.00 A++                             |
| heating / Average                                                    | Pdesignh 3.80 kW                                      | heating / Average                                                              | SCOP/A 4.60 A++                           |
| heating / Warmer                                                     | Pdesignh 4.60 kW                                      | heating / Warmer                                                               | SCOP/W 5.70 A+++                          |
| heating / Colder                                                     | Pdesignh - kW                                         | heating / Colder                                                               | SCOP/C                                    |
| Declared capacity at outdoor ter                                     | mperature Tdesignh                                    | Back up heating capacity at outdoor                                            | unit                                      |
| heating / Average (-10°C)                                            | Pdh <b>3.80</b> kW                                    | heating / Average (-10°C)                                                      | elbu - kW                                 |
| heating / Warmer (2°C)                                               | Pdh <b>4.60</b> kW                                    | heating / Warmer (2°C)                                                         | elbu - kW                                 |
| heating / Colder (-22°C)                                             | Pdh - kW                                              | heating / Colder (-22°C)                                                       | elbu - kW                                 |
| Declared capacity for cooling at                                     | t indoor temperature 27(19)°C and                     | Declared energy efficiency ratio, at i                                         | ndoor temperature 27(19)°C and            |
| outdoor temperature Tj                                               |                                                       | outdoor temperature Tj                                                         |                                           |
| Tj=35°C                                                              | Pdc <b>5.00</b> kW                                    | Tj=35°C                                                                        | EERd <b>3.70</b> -                        |
| Tj=30°C                                                              | Pdc 3.65 kW                                           | Tj=30°C                                                                        | EERd <b>5.40</b> -                        |
| Tj=25°C<br>Tj=20°C                                                   | Pdc 2.37 kW<br>Pdc 1.90 kW                            | Tj=25°C<br>Tj=20°C                                                             | EERd <b>8.30</b> -<br>EERd <b>13.00</b> - |
| 1]=20.0                                                              |                                                       | 1]-20 0                                                                        |                                           |
| Declared capacity for heating / A                                    |                                                       | Declared coefficient of performance                                            |                                           |
| temperature 20°C and outdoor to<br>Tj=-7°C                           | emperature Tj<br>Pdh <b>3.35</b> kW                   | temperature 20°C and outdoor temp<br>Ti=-7°C                                   | cOPd <b>2.80</b> -                        |
| Tj=2°C                                                               | Pdh <b>2.00</b> kW                                    | Tj=2°C                                                                         | COPd <b>4.60</b> -                        |
| Tj=7℃                                                                | Pdh <b>1.30</b> kW                                    | Tj=7℃                                                                          | COPd 6.02 -                               |
| Tj=12°C                                                              | Pdh <b>1.50</b> kW                                    | Tj=12°C                                                                        | COPd 7.41 -                               |
| Tj=bivalent temperature                                              | Pdh <b>3.80</b> kW                                    | Tj=bivalent temperature                                                        | COPd 2.50 -                               |
| Tj=operating limit                                                   | Pdh <b>3.20</b> kW                                    | Tj=operating limit                                                             | COPd 2.30 -                               |
| Declared capacity for heating / V                                    | Narmer season, at indoor                              | Declared coefficient of performance                                            | / Warmer season, at indoor                |
| temperature 20°C and outdoor to                                      |                                                       | temperature 20°C and outdoor temp                                              |                                           |
| Tj=2°C                                                               | Pdh <b>4.60</b> kW                                    | Tj=2°C                                                                         | COPd <b>2.80</b> -                        |
| Tj=7℃<br>Tj=12℃                                                      | Pdh <b>2.90</b> kW<br>Pdh <b>1.50</b> kW              | Tj=7°C<br>Tj=12°C                                                              | COPd 5.38 -<br>COPd 7.00 -                |
| Tj=bivalent temperature                                              | Pdh <b>4.60</b> kW                                    | Tj=bivalent temperature                                                        | COPd <b>2.80</b> -                        |
| Tj=operating limit                                                   | Pdh <b>3.20</b> kW                                    | Tj=operating limit                                                             | COPd 2.30 -                               |
| Declared capacity for beating / (                                    | Colder access at indeer                               |                                                                                | Colder append at indeer                   |
| Declared capacity for heating / (<br>temperature 20°C and outdoor to |                                                       | Declared coefficient of performance<br>temperature 20°C and outdoor temp       |                                           |
| Tj=-7°C                                                              | Pdh - kW                                              | Tj=-7°C                                                                        | COPd                                      |
| Tj=2°C                                                               | Pdh - kW                                              | Tj=2°C                                                                         | COPd                                      |
| Tj=7°C                                                               | Pdh - kW                                              | Tj=7°C                                                                         | COPd                                      |
| Tj=12°C<br>Tj=bivalent temperature                                   | Pdh - kW<br>Pdh - kW                                  | Tj=12°C<br>Tj=bivalent temperature                                             | COPd<br>COPd                              |
| Tj=operating limit                                                   | Pdh - kW                                              | Tj=operating limit                                                             | COPd                                      |
| Tj=-15°C                                                             | Pdh - kW                                              | Tj=-15°C                                                                       | COPd                                      |
|                                                                      | · · ·                                                 |                                                                                |                                           |
| Bivalent temperature<br>heating / Average                            | Tbiv -10 °C                                           | Operating limit temperature<br>heating / Average                               | Tol <b>-15</b> °C                         |
| heating / Warmer                                                     | Tbiv 2 °C                                             | heating / Warmer                                                               | Tol -15 °C                                |
| heating / Colder                                                     | Tbiv - °C                                             | heating / Colder                                                               | Tol - °C                                  |
|                                                                      |                                                       |                                                                                |                                           |
| Cycling interval capacity<br>for cooling                             | Pcycc - kW                                            | Cycling interval efficiency<br>for cooling                                     | EERcyc                                    |
| for heating                                                          | Pcych - kW                                            | for heating                                                                    | COPcyc                                    |
|                                                                      |                                                       |                                                                                |                                           |
| Degradation coefficient<br>cooling                                   | Cdc 0.25 -                                            | Degradation coefficient<br>heating                                             | Cdh 0.25 -                                |
| cooling                                                              | Cut 0.25 -                                            | Ineating                                                                       | Gun <b>0.23</b> -                         |
| Electric power input in power me                                     | odes other than 'active mode'                         | Annual electricity consumption                                                 |                                           |
| off mode                                                             | Poff 4 W                                              | cooling<br>heating / Average                                                   | Qce 250 kWh/a<br>Qhe 1158 kWh/a           |
| standby mode<br>thermostat-off mode                                  | Psb <u>4</u> W<br>Pto(cooling) <b>14</b> W            | heating / Warmer                                                               | Qhe <b>1131</b> kWh/a                     |
| inerniostat-on mode                                                  | Pto(heating) 15 W                                     | heating / colder                                                               | Qhe - kWh/a                               |
| crankcase heater mode                                                | Pck 0 W                                               |                                                                                |                                           |
| Capacity control(indicate one of                                     | three options)                                        | Other items                                                                    |                                           |
|                                                                      |                                                       | Sound power level(indoor)                                                      | Lwa <b>59</b> dB(A)                       |
|                                                                      |                                                       | Sound power level(outdoor)                                                     | Lwa <b>61</b> dB(A)                       |
| fixed                                                                | No                                                    | Global warming potential                                                       | GWP 675 kgCO2eq.                          |
| staged                                                               | No                                                    | Rated air flow(indoor)                                                         | - <b>726</b> m3/h                         |
| variable                                                             | Yes                                                   | Rated air flow(outdoor)                                                        | - <b>1968</b> m3/h                        |
| Contact details for obtaining                                        | Name and address of the mar                           | nufacturer or of its authorised represen                                       | tative.                                   |
|                                                                      | Mitsubishi Heavy Industries Air-Condition             |                                                                                |                                           |
|                                                                      | 5 The Square, Stockley Park, Uxbridge, Jnited Kingdom | ivilaalesex, UB11 1ET,                                                         |                                           |
|                                                                      |                                                       |                                                                                |                                           |

#### SRK20ZS-WT

| Information to identify the model(s  | b) to which the information relates to: | If function includes heating: Indicate   | e the heating season the              |
|--------------------------------------|-----------------------------------------|------------------------------------------|---------------------------------------|
| Indoor unit model name               | SRK20ZS-WT                              | information relates to. Indicated val    |                                       |
| Outdoor unit model name              | SRC20ZS-W                               | heating season at a time. Include a      | t least the heating season 'Average'. |
|                                      | · · ·                                   |                                          |                                       |
| Function(indicate if present)        |                                         | Average(mandatory)                       | Yes                                   |
| cooling                              | Yes                                     | Warmer(if designated)                    | Yes                                   |
| heating                              | Yes                                     | Colder(if designated)                    | No                                    |
|                                      |                                         |                                          |                                       |
| Item                                 | symbol value unit                       | Item                                     | symbol value class                    |
| Design load                          |                                         | Seasonal efficiency and energy effi      |                                       |
| cooling                              | Pdesignc 2.00 kW                        | cooling                                  | SEER 8.50 A+++                        |
| heating / Average                    | Pdesignh 2.60 kW                        | heating / Average                        | SCOP/A 4.60 A++                       |
| heating / Warmer                     | Pdesignh 3.30 kW                        | heating / Warmer                         | SCOP/W 5.80 A+++                      |
| heating / Colder                     | Pdesignh - kW                           | heating / Colder                         | SCOP/C                                |
|                                      |                                         |                                          | unit                                  |
| Declared capacity at outdoor temp    |                                         | Back up heating capacity at outdoo       |                                       |
| heating / Average (-10°C)            | Pdh <b>2.60</b> kW                      | heating / Average (-10°C)                | elbu - kW                             |
| heating / Warmer (2°C)               | Pdh <b>3.30</b> kW                      | heating / Warmer (2°C)                   | elbu - kW                             |
| heating / Colder (-22°C)             | Pdh - kW                                | heating / Colder (-22°C)                 | elbu - kW                             |
|                                      | 2                                       |                                          |                                       |
| Declared capacity for cooling, at in | ndoor temperature 27(19)°C and          | Declared energy efficiency ratio, at     | indoor temperature 27(19)°C and       |
| outdoor temperature Tj               |                                         | outdoor temperature Tj                   |                                       |
| Tj=35°C                              | Pdc 2.00 kW                             | Tj=35°C                                  | EERd <b>4.55</b> -                    |
| Tj=30°C                              | Pdc <b>1.40</b> kW                      | Tj=30°C                                  | EERd <b>6.80</b> -                    |
| Tj=25°C                              | Pdc <b>1.00</b> kW                      | Tj=25°C                                  | EERd <b>11.80</b> -                   |
| Tj=20°C                              | Pdc 1.00 kW                             | Tj=20°C                                  | EERd 18.20 -                          |
|                                      |                                         |                                          |                                       |
| Declared capacity for heating / Av   |                                         | Declared coefficient of performance      |                                       |
| temperature 20°C and outdoor ter     |                                         | temperature 20°C and outdoor temp        |                                       |
| Tj=-7°C                              | Pdh <b>2.40</b> kW                      | Tj=-7°C                                  | COPd <b>2.50</b> -                    |
| Tj=2°C                               | Pdh <b>1.40</b> kW                      | Tj=2°C                                   | COPd <b>4.70</b> -                    |
| Tj=7°C                               | Pdh <b>0.95</b> kW                      | Tj=7°C                                   | COPd 6.24 -                           |
| Tj=12°C                              | Pdh <b>1.10</b> kW                      | Tj=12°C                                  | COPd 7.80 -                           |
| Tj=bivalent temperature              | Pdh <b>2.60</b> kW                      | Tj=bivalent temperature                  | COPd <b>2.20</b> -                    |
| Tj=operating limit                   | Pdh <b>2.10</b> kW                      | Tj=operating limit                       | COPd 2.05 -                           |
|                                      |                                         |                                          |                                       |
| Declared capacity for heating / Wa   | armer season, at indoor                 | Declared coefficient of performance      | e / Warmer season, at indoor          |
| temperature 20°C and outdoor ter     |                                         | temperature 20°C and outdoor temp        |                                       |
| Tj=2°C                               | Pdh <b>3.30</b> kW                      | Tj=2°C                                   | COPd 2.57 -                           |
| Tj=7°C                               | Pdh <b>2.10</b> kW                      | Tj=7°C                                   | COPd 5.12 -                           |
| Tj=12°C                              | Pdh <b>1.10</b> kW                      | Tj=12°C                                  | COPd <b>7.80</b> -                    |
| Tj=bivalent temperature              | Pdh <b>3.30</b> kW                      | Tj=bivalent temperature                  | COPd 2.57 -                           |
| Tj=operating limit                   | Pdh <b>2.10</b> kW                      | Tj=operating limit                       | COPd 2.05 -                           |
|                                      |                                         |                                          | · ·                                   |
| Declared capacity for heating / Co   | older season, at indoor                 | Declared coefficient of performance      | e / Colder season, at indoor          |
| temperature 20°C and outdoor ter     | nperature Tj                            | temperature 20°C and outdoor temp        | perature Tj                           |
| Tj=-7°C                              | Pdh - kW                                | Tj=-7°C                                  | COPd                                  |
| Tj=2°C                               | Pdh - kW                                | Tj=2°C                                   | COPd                                  |
| Tj=7°C                               | Pdh - kW                                | Ti=7°C                                   | COPd                                  |
| Tj=12°C                              | Pdh - kW                                | Tj=12°C                                  | COPd                                  |
| Tj=bivalent temperature              | Pdh - kW                                | Tj=bivalent temperature                  | COPd                                  |
| Tj=operating limit                   | Pdh - kW                                | Tj=operating limit                       | COPd                                  |
| Tj=-15°C                             | Pdh - kW                                | Tj=-15°C                                 | COPd                                  |
| .,                                   | . un                                    |                                          | 00.4                                  |
| Bivalent temperature                 |                                         | Operating limit temperature              |                                       |
| heating / Average                    | Tbiv -10 °C                             | heating / Average                        | Tol <b>-15</b> °C                     |
| heating / Warmer                     | Tbiv 2 °C                               | heating / Warmer                         | Tol <b>-15</b> ℃                      |
| heating / Colder                     | Tbiv - °C                               | heating / Colder                         | Tol - °C                              |
|                                      | ~                                       |                                          |                                       |
| Cycling interval capacity            |                                         | Cycling interval efficiency              |                                       |
| for cooling                          | Pcycc - kW                              | for cooling                              | EERcyc                                |
| for heating                          | Pcych - kW                              | for heating                              | COPcyc                                |
|                                      |                                         | , <u> </u>                               | · · · ·                               |
| Degradation coefficient              |                                         | Degradation coefficient                  |                                       |
| cooling                              | Cdc 0.25 -                              | heating                                  | Cdh 0.25 -                            |
|                                      |                                         |                                          |                                       |
| Electric power input in power mod    | les other than 'active mode'            | Annual electricity consumption           |                                       |
| off mode                             | Poff <b>4</b> W                         | cooling                                  | Qce 83 kWh/a                          |
| standby mode                         | Psb 4 W                                 | heating / Average                        | Qhe 793 kWh/a                         |
| thermostat-off mode                  | Pto(cooling) 10 W                       | heating / Warmer                         | Qhe 797 kWh/a                         |
|                                      | Pto(heating) 11 W                       | heating / colder                         | Qhe - kWh/a                           |
| crankcase heater mode                | Pck 0 W                                 | -                                        |                                       |
|                                      |                                         | -                                        |                                       |
| Capacity control(indicate one of th  | nree options)                           | Other items                              |                                       |
|                                      |                                         | Sound power level(indoor)                | Lwa <b>48</b> dB(A)                   |
|                                      |                                         | Sound power level(outdoor)               | Lwa <b>56</b> dB(A)                   |
| fixed                                | No                                      | Global warming potential                 | GWP 675 kgCO2eq.                      |
| staged                               | No                                      | Rated air flow(indoor)                   | - <b>558</b> m3/h                     |
| variable                             | Yes                                     | Rated air flow(outdoor)                  | - <b>1644</b> m3/h                    |
|                                      | 1                                       |                                          |                                       |
| Contact details for obtaining        | Name and address of the mar             | nufacturer or of its authorised represer | ntative.                              |
|                                      | tsubishi Heavy Industries Air-Condition |                                          | -                                     |
|                                      | The Square, Stockley Park, Uxbridge,    |                                          |                                       |
|                                      | lited Kingdom                           |                                          |                                       |
|                                      |                                         |                                          |                                       |

#### SRK25ZS-WT

| Information to identify the mode  | I(s) to which the information relates to:                                                                    | If function includes heating: Indicate            | e the heating season the                                      |  |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------|--|
| Indoor unit model name            | iformation to identify the model(s) to which the information relates to:<br>Idoor unit model name SRK25ZS-WT |                                                   | information relates to. Indicated values should relate to one |  |
| Outdoor unit model name           | SRC25ZS-W                                                                                                    | heating season at a time. Include at              | t least the heating season 'Average'.                         |  |
|                                   | •                                                                                                            | -                                                 |                                                               |  |
| Function(indicate if present)     |                                                                                                              | Average(mandatory)                                | Yes                                                           |  |
| cooling                           | Yes                                                                                                          | Warmer(if designated)                             | Yes                                                           |  |
| heating                           | Yes                                                                                                          | Colder(if designated)                             | No                                                            |  |
| 14 m m                            | a maked and the second                                                                                       | 14                                                | averalized average allocations                                |  |
| Item<br>Design load               | symbol value unit                                                                                            | Item<br>Seasonal efficiency and energy efficiency | symbol value class                                            |  |
| cooling                           | Pdesignc 2.50 kW                                                                                             | cooling                                           | SEER 8.50 A+++                                                |  |
| heating / Average                 | Pdesignh <b>2.70</b> kW                                                                                      | heating / Average                                 | SCOP/A 4.70 A++                                               |  |
| heating / Warmer                  | Pdesignh <b>3.30</b> kW                                                                                      | heating / Warmer                                  | SCOP/W <b>5.90</b> A+++                                       |  |
| heating / Colder                  | Pdesignh - kW                                                                                                | heating / Colder                                  | SCOP/C                                                        |  |
| liouting / contoi                 | i doolg                                                                                                      | riodalig / Coldel                                 | unit                                                          |  |
| Declared capacity at outdoor ter  | nperature Tdesignh                                                                                           | Back up heating capacity at outdoor               |                                                               |  |
| heating / Average (-10°C)         | Pdh 2.70 kW                                                                                                  | heating / Average (-10°C)                         | elbu - kW                                                     |  |
| heating / Warmer (2°C)            | Pdh <b>3.30</b> kW                                                                                           | heating / Warmer (2°C)                            | elbu - kW                                                     |  |
| heating / Colder (-22°C)          | Pdh - kW                                                                                                     | heating / Colder (-22°C)                          | elbu - kW                                                     |  |
|                                   |                                                                                                              |                                                   |                                                               |  |
|                                   | t indoor temperature 27(19)°C and                                                                            | Declared energy efficiency ratio, at              | indoor temperature 27(19)°C and                               |  |
| outdoor temperature Tj            |                                                                                                              | outdoor temperature Tj                            |                                                               |  |
| Tj=35°C                           | Pdc 2.50 kW                                                                                                  | Tj=35°C                                           | EERd <b>4.03</b> -                                            |  |
| Tj=30°C                           | Pdc 1.80 kW                                                                                                  | Tj=30°C<br>Tj=25°C                                | EERd <b>6.45</b> -                                            |  |
| Tj=25°C<br>Tj=20°C                | Pdc 1.11 kW                                                                                                  | Tj=25 C<br>Tj=20°C                                | EERd <b>11.80</b> -<br>EERd <b>18.20</b> -                    |  |
| 1j=20 C                           | Pdc 1.10 kW                                                                                                  | TJ=20 C                                           | EERd <b>18.20</b> -                                           |  |
| Declared capacity for heating / A | Average season at indoor                                                                                     | Declared coefficient of performance               | / Average season at indoor                                    |  |
| temperature 20°C and outdoor t    |                                                                                                              | temperature 20°C and outdoor temp                 |                                                               |  |
| Tj=-7°C                           | Pdh <b>2.40</b> kW                                                                                           | Tj=-7°C                                           | COPd <b>2.50</b> -                                            |  |
| Tj=2°C                            | Pdh <b>1.40</b> kW                                                                                           | Tj=2℃                                             | COPd <b>4.92</b> -                                            |  |
| Tj=7°C                            | Pdh 0.95 kW                                                                                                  | Tj=7℃                                             | COPd 6.15 -                                                   |  |
| Tj=12°C                           | Pdh <b>1.10</b> kW                                                                                           | Tj=12°C                                           | COPd <b>7.86</b> -                                            |  |
| Tj=bivalent temperature           | Pdh <b>2.70</b> kW                                                                                           | Tj=bivalent temperature                           | COPd <b>2.40</b> -                                            |  |
| Tj=operating limit                | Pdh <b>2.30</b> kW                                                                                           | Tj=operating limit                                | COPd 2.10 -                                                   |  |
|                                   | -                                                                                                            |                                                   |                                                               |  |
| Declared capacity for heating / \ |                                                                                                              | Declared coefficient of performance               |                                                               |  |
| temperature 20°C and outdoor t    |                                                                                                              | temperature 20°C and outdoor temp                 |                                                               |  |
| Tj=2°C                            | Pdh 3.30 kW                                                                                                  | Tj=2°C                                            | COPd 2.70 -                                                   |  |
| Tj=7°C                            | Pdh <b>2.10</b> kW                                                                                           | Tj=7°C                                            | COPd <b>5.23</b> -                                            |  |
| Tj=12°C                           | Pdh <b>1.10</b> kW                                                                                           | Tj=12°C                                           | COPd 7.86 -<br>COPd 2.70 -                                    |  |
| Tj=bivalent temperature           | Pdh <b>3.30</b> kW<br>Pdh <b>2.10</b> kW                                                                     | Tj=bivalent temperature                           |                                                               |  |
| Tj=operating limit                | Pdh <b>2.10</b> kW                                                                                           | Tj=operating limit                                | COPd <b>2.10</b> -                                            |  |
| Declared capacity for heating / ( | Colder season, at indoor                                                                                     | Declared coefficient of performance               | / Colder season at indoor                                     |  |
| temperature 20°C and outdoor t    |                                                                                                              | temperature 20°C and outdoor temp                 |                                                               |  |
| Tj=-7°C                           | Pdh - kW                                                                                                     | Tj=-7°C                                           | COPd -                                                        |  |
| Tj=2°C                            | Pdh - kW                                                                                                     | Tj=2°C                                            | COPd                                                          |  |
| Tj=7°C                            | Pdh - kW                                                                                                     | Tj=7°C                                            | COPd                                                          |  |
| Tj=12°C                           | Pdh - kW                                                                                                     | Tj=12°C                                           | COPd                                                          |  |
| Tj=bivalent temperature           | Pdh - kW                                                                                                     | Tj=bivalent temperature                           | COPd                                                          |  |
| Tj=operating limit                | Pdh - kW                                                                                                     | Tj=operating limit                                | COPd                                                          |  |
| Tj=-15℃                           | Pdh - kW                                                                                                     | Tj=-15°C                                          | COPd                                                          |  |
|                                   |                                                                                                              |                                                   |                                                               |  |
| Bivalent temperature              |                                                                                                              | Operating limit temperature                       |                                                               |  |
| heating / Average                 | Tbiv <u>-10</u> °C                                                                                           | heating / Average                                 | Tol -15 °C                                                    |  |
| heating / Warmer                  | Tbiv <u>2</u> °C<br>Tbiv - °C                                                                                | heating / Warmer                                  | Tol <u>-15</u> °C<br>Tol - °C                                 |  |
| heating / Colder                  | Tbiv - °C                                                                                                    | heating / Colder                                  | Tol - °C                                                      |  |
| Cycling interval capacity         |                                                                                                              | Cycling interval efficiency                       |                                                               |  |
| for cooling                       | Pcycc - kW                                                                                                   | for cooling                                       | EERcyc                                                        |  |
| for heating                       | Pcych - kW                                                                                                   | for heating                                       | COPcyc                                                        |  |
|                                   |                                                                                                              |                                                   |                                                               |  |
| Degradation coefficient           |                                                                                                              | Degradation coefficient                           |                                                               |  |
| cooling                           | Cdc 0.25 -                                                                                                   | heating                                           | Cdh <b>0.25</b> -                                             |  |
|                                   |                                                                                                              | Annual electricity consumption                    |                                                               |  |
| Electric power input in power me  |                                                                                                              | cooling                                           | Qce <b>103</b> kWh/a                                          |  |
| off mode<br>standby mode          | Poff <u>4</u> W<br>Psb <u>4</u> W                                                                            | heating / Average                                 | Qhe <b>804</b> kWh/a                                          |  |
| thermostat-off mode               | Pto(cooling) 10 W                                                                                            | heating / Warmer                                  | Qhe <b>784</b> kWh/a                                          |  |
|                                   | Pto(heating) 11 W                                                                                            | heating / colder                                  | Qhe - kWh/a                                                   |  |
| crankcase heater mode             | Pck <b>0</b> W                                                                                               |                                                   |                                                               |  |
|                                   |                                                                                                              | -                                                 |                                                               |  |
| Capacity control(indicate one of  | three options)                                                                                               | Other items                                       |                                                               |  |
|                                   |                                                                                                              | Sound power level(indoor)                         | Lwa <b>50</b> dB(A)                                           |  |
| fine al                           | N                                                                                                            | Sound power level(outdoor)                        | Lwa <b>56</b> dB(A)                                           |  |
| fixed                             | No                                                                                                           | Global warming potential                          | GWP 675 kgCO2eq.                                              |  |
| staged                            | No                                                                                                           | Rated air flow(indoor)                            | - <b>594</b> m3/h                                             |  |
| variable                          | Yes                                                                                                          | Rated air flow(outdoor)                           | - <b>1644</b> m3/h                                            |  |
| Contact details for obtaining     | Name and address of the mar                                                                                  | nufacturer or of its authorised represen          | tative                                                        |  |
|                                   | Aitsubishi Heavy Industries Air-Condition                                                                    |                                                   |                                                               |  |
|                                   |                                                                                                              |                                                   |                                                               |  |
| l is                              | 5 The Square, Stockley Park, Uxbridge,                                                                       | Middlesex, UBTT TET,                              |                                                               |  |
|                                   | 5 The Square, Stockley Park, Uxbridge, Jnited Kingdom                                                        | Middlesex, UBTTTET,                               |                                                               |  |

#### SRK35ZS-WT

| Information to identify the model                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | (s) to which the information relates to                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | : If function includes heating: Indica                                                                                                                                                                                                                                                                                                                                                                                                                                                     | te the heating season the                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Indoor unit model name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | SRK35ZS-WT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | information relates to. Indicated va                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Outdoor unit model name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | SRC35ZS-W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | at least the heating season 'Average'.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | g                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Function(indicate if present)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Average(mandatory)                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| cooling                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Warmer(if designated)                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| heating                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Colder(if designated)                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | symbol value unit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | symbol value class                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Design load                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | oyinibol valao anic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Seasonal efficiency and energy ef                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| cooling                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Pdesignc 3.50 kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | cooling                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | SEER 8.40 A++                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| heating / Average                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Pdesignh 3.00 kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | heating / Average                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | SCOP/A 4.70 A++                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| heating / Warmer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Pdesignh <b>3.70</b> kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | heating / Warmer                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | SCOP/W 6.00 A+++                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| heating / Colder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Pdesignh - kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | heating / Colder                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | SCOP/C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Theating / Colder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Fuesigiiii - KW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | rieating / Colder                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Declared consoity at outdoor tor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | aporaturo Tdooignh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Book up booting conspitu at outdo                                                                                                                                                                                                                                                                                                                                                                                                                                                          | unit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Declared capacity at outdoor tem                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Back up heating capacity at outdo                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| heating / Average (-10°C)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Pdh <b>3.00</b> kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | heating / Average (-10°C)                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | elbu - kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| heating / Warmer (2°C)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Pdh <b>3.70</b> kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | heating / Warmer (2°C)                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | elbu - kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| heating / Colder (-22°C)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Pdh - kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | heating / Colder (-22°C)                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | elbu - kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | indoor temperature 27(19)°C and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | t indoor temperature 27(19)°C and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| outdoor temperature Tj                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | outdoor temperature Tj                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Tj=35°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Pdc 3.50 kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Tj=35°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | EERd <b>3.82</b> -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Tj=30°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Pdc 2.58 kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Tj=30°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | EERd 5.82 -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Tj=25°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Pdc 1.60 kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Tj=25°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | EERd 11.20 -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Tj=20°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Pdc 1.07 kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Tj=20°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | EERd 18.50 -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Declared capacity for heating / A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | verage season, at indoor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Declared coefficient of performance                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| temperature 20°C and outdoor te                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | temperature 20°C and outdoor ten                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Tj=-7°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Pdh <b>2.65</b> kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Tj=-7°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | COPd 2.50 -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Tj=2℃                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Pdh <b>1.62</b> kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Tj=2℃                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | COPd <b>4.92</b> -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Tj=7℃                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Pdh <b>1.04</b> kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Tj=7℃                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | COPd 6.10 -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Tj=12°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Pdh <b>1.16</b> kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Tj=12℃                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | COPd 7.86 -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Tj=bivalent temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Pdh <b>3.00</b> kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Tj=bivalent temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | COPd <b>2.40</b> -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Tj=operating limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Pdh <b>2.52</b> kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Tj=operating limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | COPd <b>2.10</b> -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Declared capacity for heating / W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | varmer season at indoor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Declared coefficient of performance                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ce / Warmer season, at indoor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| temperature 20°C and outdoor te                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | temperature 20°C and outdoor tem                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Tj=2°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Pdh <b>3.70</b> kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Tj=2°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | COPd <b>2.80</b> -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Tj=7°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Pdh <b>2.38</b> kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Ti=7°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | COPd <b>5.20</b> -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Tj=12°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Pdh <b>1.16</b> kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Tj=12°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | COPd <b>7.86</b> -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| ,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Pdh <b>3.70</b> kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | COPd <b>2.80</b> -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Tj=bivalent temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Tj=bivalent temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Tj=operating limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Pdh <b>2.52</b> kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Tj=operating limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | COPd 2.10 -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Declared consolity for booting / C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | alder essen at indeer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Declared coefficient of performan                                                                                                                                                                                                                                                                                                                                                                                                                                                          | a / Calder assess at indeer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Declared capacity for heating / C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Declared coefficient of performance                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| temperature 20°C and outdoor te                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | temperature 20°C and outdoor ten                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Tj=-7°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Pdh - kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Tj=-7°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | COPd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Tj=2°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Pdh - kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Tj=2°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | COPd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Tj=7°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Pdh - kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Tj=7°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | COPd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Tj=12°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Pdh - kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Tj=12°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | COPd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Tj=bivalent temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Pdh - kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Tj=bivalent temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | COPd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Tj=operating limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Pdh - kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Tj=operating limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | COPd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Tj=-15℃                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Pdh - kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Tj=-15℃                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | COPd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Bivalent temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Operating limit temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| heating / Average                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Tbiv -10 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | heating / Average                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Tol <b>-15</b> °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| heating / Warmer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Tbiv 2 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | heating / Warmer                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Tol <b>-15</b> °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| heating / Colder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| rieating / Coluer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Tbiv - °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | heating / Colder                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Tol - °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Tbiv - °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | heating / Colder                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Tol - °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Cycling interval capacity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Tbiv°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Cycling interval efficiency                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Tol - °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Tbiv - °C<br>Pcycc - kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Tol - °C<br>EERcyc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Cycling interval capacity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | I I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Cycling interval efficiency                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Cycling interval capacity<br>for cooling                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | PcycckW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Cycling interval efficiency<br>for cooling                                                                                                                                                                                                                                                                                                                                                                                                                                                 | EERcyc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Cycling interval capacity<br>for cooling                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | PcycckW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Cycling interval efficiency<br>for cooling                                                                                                                                                                                                                                                                                                                                                                                                                                                 | EERcyc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Cycling interval capacity<br>for cooling<br>for heating                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | PcycckW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Cycling interval efficiency<br>for cooling<br>for heating                                                                                                                                                                                                                                                                                                                                                                                                                                  | EERcyc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Cycling interval capacity<br>for cooling<br>for heating<br>Degradation coefficient                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Pcycc - kW<br>Pcych - kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Cycling interval efficiency<br>for cooling<br>for heating<br>Degradation coefficient                                                                                                                                                                                                                                                                                                                                                                                                       | EERcyc<br>COPcyc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Cycling interval capacity<br>for cooling<br>for heating<br>Degradation coefficient<br>cooling                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Pcycc - kW<br>Pcych - kW<br>Cdc <b>0.25</b> -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Cycling interval efficiency<br>for cooling<br>for heating<br>Degradation coefficient                                                                                                                                                                                                                                                                                                                                                                                                       | EERcyc<br>COPcyc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Cycling interval capacity<br>for cooling<br>for heating<br>Degradation coefficient<br>cooling<br>Electric power input in power mo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Pcycc - kW<br>Pcych - kW<br>Cdc <b>0.25</b> -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Cycling interval efficiency<br>for cooling<br>for heating<br>Degradation coefficient<br>heating                                                                                                                                                                                                                                                                                                                                                                                            | EERcyc<br>COPcyc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Cycling interval capacity<br>for cooling<br>for heating<br>Degradation coefficient<br>cooling<br>Electric power input in power mo<br>off mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Pcycc - kW<br>Pcych - kW<br>Cdc 0.25 -<br>odes other than 'active mode'<br>Poff 4 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Cycling interval efficiency<br>for cooling<br>for heating         Degradation coefficient<br>heating         Annual electricity consumption                                                                                                                                                                                                                                                                                                                                                | EERcyc<br>COPcyc<br>Cdh 0.25 -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Cycling interval capacity<br>for cooling<br>for heating<br>Degradation coefficient<br>cooling<br>Electric power input in power mo<br>off mode<br>standby mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Pcycc - kW<br>Pcych - kW<br>Cdc 0.25 -<br>odes other than 'active mode'<br>Poff 4 W<br>Psb 4 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Cycling interval efficiency<br>for cooling<br>for heating<br>Degradation coefficient<br>heating<br>Annual electricity consumption<br>cooling<br>heating / Average                                                                                                                                                                                                                                                                                                                          | EERcyc<br>COPcyc<br>Cdh 0.25 -<br>Qce 146 kWh/a<br>Qhe 895 kWh/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Cycling interval capacity<br>for cooling<br>for heating<br>Degradation coefficient<br>cooling<br>Electric power input in power mo<br>off mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Pcycc - kW<br>Pcych - kW<br>Cdc 0.25 -<br>des other than 'active mode'<br>Poff 4 W<br>Psb 4 W<br>Pto(ccoling) 10 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Cycling interval efficiency<br>for cooling<br>for heating<br>Degradation coefficient<br>heating<br>Annual electricity consumption<br>cooling                                                                                                                                                                                                                                                                                                                                               | EERcyc<br>COPcyc<br>Cdh 0.25 -<br>Qce 146 kWh/a<br>Qhe 895 kWh/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Cycling interval capacity<br>for cooling<br>for heating<br>Degradation coefficient<br>cooling<br>Electric power input in power mo<br>off mode<br>standby mode<br>thermostat-off mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Pcycc - kW<br>Pcych - kW<br>Cdc 0.25 -<br>des other than 'active mode'<br>Poff 4 W<br>Psb 4 W<br>Pto(cooling) 10 W<br>Pto(heating) 11 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Cycling interval efficiency<br>for cooling<br>for heating<br>Degradation coefficient<br>heating<br>Annual electricity consumption<br>cooling<br>heating / Average<br>heating / Warmer                                                                                                                                                                                                                                                                                                      | EERcyc<br>COPcyc<br>Cdh 0.25 -<br>Qce 146 kWh/a<br>Qhe 895 kWh/a<br>Qhe 863 kWh/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Cycling interval capacity<br>for cooling<br>for heating<br>Degradation coefficient<br>cooling<br>Electric power input in power mo<br>off mode<br>standby mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Pcycc - kW<br>Pcych - kW<br>Cdc 0.25 -<br>des other than 'active mode'<br>Poff 4 W<br>Psb 4 W<br>Pto(ccoling) 10 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Cycling interval efficiency<br>for cooling<br>for heating<br>Degradation coefficient<br>heating<br>Annual electricity consumption<br>cooling<br>heating / Average<br>heating / Warmer                                                                                                                                                                                                                                                                                                      | EERcyc<br>COPcyc<br>Cdh 0.25 -<br>Qce 146 kWh/a<br>Qhe 895 kWh/a<br>Qhe 863 kWh/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Cycling interval capacity<br>for cooling<br>for heating<br>Degradation coefficient<br>cooling<br>Electric power input in power mo<br>off mode<br>standby mode<br>thermostat-off mode<br>crankcase heater mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Pcycc     -     kW       Pcych     -     kW       Cdc     0.25     -       odes other than 'active mode'     Poff     4       Poff     4     W       Pto(cooling)     10     W       Pto(heating)     11     W       Pck     0     W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Cycling interval efficiency<br>for cooling<br>for heating<br>Degradation coefficient<br>heating<br>Annual electricity consumption<br>cooling<br>heating / Average<br>heating / Warmer                                                                                                                                                                                                                                                                                                      | EERcyc<br>COPcyc<br>Cdh 0.25 -<br>Qce 146 kWh/a<br>Qhe 895 kWh/a<br>Qhe 863 kWh/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Cycling interval capacity<br>for cooling<br>for heating<br>Degradation coefficient<br>cooling<br>Electric power input in power mo<br>off mode<br>standby mode<br>thermostat-off mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Pcycc     -     kW       Pcych     -     kW       Cdc     0.25     -       odes other than 'active mode'     Poff     4       Poff     4     W       Pto(cooling)     10     W       Pto(heating)     11     W       Pck     0     W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Cycling interval efficiency<br>for cooling<br>for heating         Degradation coefficient<br>heating         Annual electricity consumption<br>cooling<br>heating / Average<br>heating / Warmer<br>heating / colder         Other items                                                                                                                                                                                                                                                    | EERcyc         -         -           COPcyc         -         -           Cdh         0.25         -           Qce         146         kWh/a           Qhe         895         kWh/a           Qhe         863         kWh/a           Qhe         -         kWh/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Cycling interval capacity<br>for cooling<br>for heating<br>Degradation coefficient<br>cooling<br>Electric power input in power mo<br>off mode<br>standby mode<br>thermostat-off mode<br>crankcase heater mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Pcycc     -     kW       Pcych     -     kW       Cdc     0.25     -       odes other than 'active mode'     Poff     4       Poff     4     W       Pto(cooling)     10     W       Pto(heating)     11     W       Pck     0     W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Cycling interval efficiency<br>for cooling<br>for heating         Degradation coefficient<br>heating         Annual electricity consumption<br>cooling<br>heating / Average<br>heating / Warmer<br>heating / colder         Other items<br>Sound power level(indoor)                                                                                                                                                                                                                       | EERcyc<br>COPcyc<br>Cdh 0.25 -<br>Qce 146 kWh/a<br>Qhe 895 kWh/a<br>Qhe 863 kWh/a<br>Qhe - kWh/a<br>Lwa 54 dB(A)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Cycling interval capacity<br>for cooling<br>for heating<br>Degradation coefficient<br>cooling<br>Electric power input in power mo<br>off mode<br>standby mode<br>thermostat-off mode<br>crankcase heater mode<br>Capacity control(indicate one of the second<br>capacity control) | Pcycc - kW<br>Pcych - kW<br>Cdc 0.25 -<br>odes other than 'active mode'<br>Poff 4 W<br>Psb 4 W<br>Pto(cooling) 10 W<br>Pto(heating) 11 W<br>Pck 0 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Cycling interval efficiency<br>for cooling<br>for heating         Degradation coefficient<br>heating         Annual electricity consumption<br>cooling<br>heating / Average<br>heating / Warmer<br>heating / colder         Other items<br>Sound power level(indoor)<br>Sound power level(outdoor)                                                                                                                                                                                         | EERcyc         -           COPcyc         -           Cdh         0.25           Qce         146           kWh/a           Qhe         895           kWh/a           Qhe         863           kWh/a           Qhe         -           kWh/a           Lwa         54           Lwa         61                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Cycling interval capacity<br>for cooling<br>for heating<br>Degradation coefficient<br>cooling<br>Electric power input in power mo<br>off mode<br>standby mode<br>thermostat-off mode<br>crankcase heater mode<br>Capacity control(indicate one of the fixed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Pcycc     -     kW       Pcych     -     kW       Cdc     0.25     -       odes other than 'active mode'     Poff     4       Poff     4     W       Psb     4     W       Pto(cooling)     10     W       Pto(heating)     11     W       Pck     0     W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Cycling interval efficiency<br>for cooling<br>for heating         Degradation coefficient<br>heating         Annual electricity consumption<br>cooling<br>heating / Average<br>heating / Average<br>heating / colder         Other items<br>Sound power level(indoor)<br>Sound power level(outdoor)<br>Global warming potential                                                                                                                                                            | EERcyc         -           COPcyc         -           Cdh         0.25           Cdh         0.25           Qce         146           Qhe         895           kWh/a         kWh/a           Qhe         863           kWh/a         kWh/a           Qhe         -           kWh/a         GMe           Lwa         54         dB(A)           Lwa         61         dB(A)           GWP         675         kgCO2eq.                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Cycling interval capacity<br>for cooling<br>for heating<br>Degradation coefficient<br>cooling<br>Electric power input in power mo<br>off mode<br>standby mode<br>thermostat-off mode<br>crankcase heater mode<br>Capacity control(indicate one of the<br>fixed<br>staged                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Pcycc     -     kW       Pcych     -     kW       Cdc     0.25     -       odes other than 'active mode'     Poff     4       Poff     4     W       Pto(cooling)     10     W       Pto(heating)     11     W       Pck     0     W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Cycling interval efficiency<br>for cooling<br>for heating         Degradation coefficient<br>heating         Annual electricity consumption<br>cooling<br>heating / Average<br>heating / Varmer<br>heating / colder         Other items<br>Sound power level(indoor)<br>Sound power level(outdoor)<br>Global warming potential<br>Rated air flow(indoor)                                                                                                                                   | EERcyc -<br>COPcyc -<br>-<br>Cdh 0.25 -<br>Cdh 0.25 -<br>Qce 146 kWh/a<br>Qhe 895 kWh/a<br>Qhe 863 kWh/a<br>Qhe -<br>kWh/a<br>Qhe -<br>kWh/a<br>GKP 675 kgCO2eq.<br>-<br>678 m3/h                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Cycling interval capacity<br>for cooling<br>Degradation coefficient<br>cooling<br>Electric power input in power mo<br>off mode<br>standby mode<br>thermostat-off mode<br>crankcase heater mode<br>Capacity control(indicate one of the fixed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Pcycc     -     kW       Pcych     -     kW       Cdc     0.25     -       odes other than 'active mode'     Poff     4       Poff     4     W       Psb     4     W       Pto(cooling)     10     W       Pto(heating)     11     W       Pck     0     W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Cycling interval efficiency<br>for cooling<br>for heating         Degradation coefficient<br>heating         Annual electricity consumption<br>cooling<br>heating / Average<br>heating / Average<br>heating / colder         Other items<br>Sound power level(indoor)<br>Sound power level(outdoor)<br>Global warming potential                                                                                                                                                            | EERcyc         -           COPcyc         -           Cdh         0.25           Cdh         0.25           Qce         146           Qhe         895           kWh/a         kWh/a           Qhe         863           kWh/a         kWh/a           Qhe         -           kWh/a         GMe           Lwa         54         dB(A)           Lwa         61         dB(A)           GWP         675         kgCO2eq.                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Cycling interval capacity<br>for cooling<br>for heating<br>Degradation coefficient<br>cooling<br>Electric power input in power mo<br>off mode<br>standby mode<br>thermostat-off mode<br>crankcase heater mode<br>Capacity control(indicate one of i<br>fixed<br>staged<br>variable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Pcycc       -       kW         Pcych       -       kW         Cdc       0.25       -         odes other than 'active mode'       Poff       4         Psb       4       W         Pto(cooling)       10       W         Pto(heating)       11       W         Pck       0       W         three options)       No       No         Yes       Yes       Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Cycling interval efficiency<br>for cooling<br>for heating         Degradation coefficient<br>heating         Annual electricity consumption<br>cooling<br>heating / Average<br>heating / Warmer<br>heating / colder         Other items<br>Sound power level(indoor)<br>Sound power level(outdoor)<br>Global warming potential<br>Rated air flow(indoor)<br>Rated air flow(outdoor)                                                                                                        | EERcyc         -           COPcyc         -           Cdh         0.25           Qce         146           kWh/a           Qhe         895           kWh/a           Qhe         863           kWh/a           Qhe         -           kWh/a         -           kWh/a         -           kWh/a         -           kWh/a         -           kWh         -           kWh/a         -           kWh/a         -           kgCozeq.         -           -         -           -         -           -         -           -         -           -         -           -         -           -         - </td |
| Cycling interval capacity<br>for cooling<br>Degradation coefficient<br>cooling<br>Electric power input in power mo<br>off mode<br>standby mode<br>thermostat-off mode<br>crankcase heater mode<br>Capacity control(indicate one of the<br>fixed<br>staged<br>variable<br>Contact details for obtaining                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Pcycc       -       kW         Pcych       -       kW         Cdc       0.25       -         odes other than 'active mode'       Poff       4         Pbb       4       W         Psb       4       W         Pto(cooling)       10       W         Pto(heating)       11       W         Pck       0       W         three options)       No       Yes         Name and address of the r       Name and address of the r                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Cycling interval efficiency<br>for cooling<br>for heating         Degradation coefficient<br>heating         Annual electricity consumption<br>cooling<br>heating / Average<br>heating / Average<br>heating / colder         Other items<br>Sound power level(indoor)<br>Sound power level(outdoor)<br>Global warming potential<br>Rated air flow(indoor)<br>Rated air flow(outdoor)         naufacturer or of its authorised representation                                               | EERcyc         -           COPcyc         -           Cdh         0.25           Cdh         0.25           Qce         146           kWh/a           Qhe         895           kWh/a           Qhe         863           kWh/a           Qhe         -           kWh/a           Ghe         -           kWh/a         61           dB(A)         GWP           675         kgC02eq.           -         678           -         1890                                                                                                                                                                                                                                                       |
| Cycling interval capacity<br>for cooling<br>for heating<br>Degradation coefficient<br>cooling<br>Electric power input in power mo<br>off mode<br>standby mode<br>thermostat-off mode<br>crankcase heater mode<br>Capacity control(indicate one of the<br>fixed<br>staged<br>variable<br>Contact details for obtaining<br>more information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Pcycc       -       kW         Pcych       -       kW         Cdc       0.25       -         odes other than 'active mode'       Poff       4       W         Psb       4       W       V         Pto(cooling)       10       W       Pto(heating)       11       W         Pck       0       W       V       V       V       V         Mo       No       Yes       Ves       Ves | Cycling interval efficiency<br>for cooling<br>for heating         Degradation coefficient<br>heating         Annual electricity consumption<br>cooling<br>heating / Average<br>heating / Varmer<br>heating / colder         Other items<br>Sound power level(indoor)<br>Sound power level(outdoor)<br>Global warming potential<br>Rated air flow(indoor)<br>Rated air flow(outdoor)         Rated air flow(outdoor)         nanufacturer or of its authorised representioning Europe, Ltd. | EERcyc         -           COPcyc         -           Cdh         0.25           Qce         146           kWh/a           Qhe         895           kWh/a           Qhe         863           kWh/a           Qhe         -           kWh/a         -           kWh/a         -           kWh/a         -           kWh/a         -           kWh         -           kWh/a         -           kWh/a         -           kgCozeq.         -           -         -           -         -           -         -           -         -           -         -           -         -           -         - </td |
| Cycling interval capacity<br>for cooling<br>for heating<br>Degradation coefficient<br>cooling<br>Electric power input in power mo<br>off mode<br>standby mode<br>thermostat-off mode<br>crankcase heater mode<br>Capacity control(indicate one of the<br>fixed<br>staged<br>variable<br>Contact details for obtaining<br>more information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Pcycc       -       kW         Pcych       -       kW         Cdc       0.25       -         odes other than 'active mode'       Poff       4         Pbb       4       W         Psb       4       W         Pto(cooling)       10       W         Pto(heating)       11       W         Pck       0       W         three options)       No       Yes         Name and address of the r       Name and address of the r                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Cycling interval efficiency<br>for cooling<br>for heating         Degradation coefficient<br>heating         Annual electricity consumption<br>cooling<br>heating / Average<br>heating / Varmer<br>heating / colder         Other items<br>Sound power level(indoor)<br>Sound power level(outdoor)<br>Global warming potential<br>Rated air flow(indoor)<br>Rated air flow(outdoor)         Rated air flow(outdoor)         nanufacturer or of its authorised representioning Europe, Ltd. | EERcyc         -           COPcyc         -           Cdh         0.25           Qce         146           kWh/a           Qhe         895           kWh/a           Qhe         863           kWh/a           Qhe         -           kWh/a         -           kWh/a         -           kWh/a         -           kWh/a         -           kWh         -           kWh/a         -           kWh/a         -           kgCozeq.         -           -         -           -         -           -         -           -         -           -         -           -         -           -         - </td |

#### SRK50ZS-WT

| Information to identify the model(s)     | to which the information relates to:                                | If function includes heating: Indicate    | e the heating season the               |
|------------------------------------------|---------------------------------------------------------------------|-------------------------------------------|----------------------------------------|
| Indoor unit model name                   | SRK50ZS-WT                                                          | information relates to. Indicated val     |                                        |
| Outdoor unit model name                  | SRC50ZS-W                                                           |                                           | t least the heating season 'Average'.  |
|                                          |                                                                     | ]                                         | ······································ |
| Function(indicate if present)            |                                                                     | Average(mandatory)                        | Yes                                    |
| cooling                                  | Yes                                                                 | Warmer(if designated)                     | Yes                                    |
| heating                                  | Yes                                                                 | Colder(if designated)                     | No                                     |
| licating                                 | 100                                                                 |                                           | No                                     |
| Item                                     | symbol value unit                                                   | Item                                      | symbol value class                     |
| Design load                              |                                                                     | Seasonal efficiency and energy efficiency |                                        |
| cooling                                  | Pdesignc 5.00 kW                                                    | cooling                                   | SEER 7.00 A++                          |
| heating / Average                        | Pdesignh <b>3.80</b> kW                                             | heating / Average                         | SCOP/A 4.60 A++                        |
| heating / Warmer                         | Pdesignh <b>4.60</b> kW                                             | heating / Warmer                          | SCOP/W 5.70 A+++                       |
| heating / Colder                         | Pdesignh - kW                                                       | heating / Colder                          | SCOP/C                                 |
|                                          | Fuesigiiii - Kvv                                                    | Treating / Colder                         | · _ · _ ·                              |
| Declared capacity at outdoor tempe       | aratura Tdaajanh                                                    | Back up heating capacity at outdoo        | unit                                   |
|                                          | <u> </u>                                                            |                                           |                                        |
| heating / Average (-10°C)                |                                                                     | heating / Average (-10°C)                 |                                        |
| heating / Warmer (2°C)                   | Pdh <b>4.60</b> kW                                                  | heating / Warmer (2°C)                    | elbu - kW                              |
| heating / Colder (-22°C)                 | Pdh - kW                                                            | heating / Colder (-22°C)                  | elbu - kW                              |
|                                          | *                                                                   |                                           |                                        |
| Declared capacity for cooling, at inc    | door temperature 27(19)°C and                                       | Declared energy efficiency ratio, at      | indoor temperature 27(19)°C and        |
| outdoor temperature Tj                   |                                                                     | outdoor temperature Tj                    |                                        |
| Tj=35°C                                  | Pdc <b>5.00</b> kW                                                  | Tj=35°C                                   | EERd 3.70 -                            |
| Tj=30°C                                  | Pdc 3.65 kW                                                         | Tj=30°C                                   | EERd 5.40 -                            |
| Tj=25°C                                  | Pdc 2.37 kW                                                         | Tj=25°C                                   | EERd 8.30 -                            |
| Tj=20°C                                  | Pdc 1.90 kW                                                         | Tj=20°C                                   | EERd 13.00 -                           |
|                                          | · · · · · · · · · · · · · · · · · · ·                               |                                           | · · ·                                  |
| Declared capacity for heating / Ave      | rage season, at indoor                                              | Declared coefficient of performance       | e / Average season, at indoor          |
| temperature 20°C and outdoor tem         |                                                                     | temperature 20°C and outdoor temp         |                                        |
| Tj=-7℃                                   | Pdh <b>3.35</b> kW                                                  | Tj=-7℃                                    | COPd <b>2.80</b> -                     |
| Tj=2°C                                   | Pdh <b>2.00</b> kW                                                  | Tj=2°C                                    | COPd <b>4.60</b> -                     |
| Tj=7°C                                   | Pdh <b>1.30</b> kW                                                  | Tj=7°C                                    | COPd 6.02 -                            |
| Tj=12°C                                  | Pdh <b>1.50</b> kW                                                  | Tj=12°C                                   | COPd 7.41 -                            |
| Tj=bivalent temperature                  | Pdh <b>3.80</b> kW                                                  | Tj=bivalent temperature                   | COPd <b>2.50</b> -                     |
| Tj=operating limit                       | Pdh <b>3.20</b> kW                                                  | Tj=operating limit                        | COPd <b>2.30</b> -                     |
|                                          | Full 3.20 KW                                                        |                                           | COPu 2.30 -                            |
| Declared consoits for besting / Way      | mor oppop at indepr                                                 | Declared coefficient of performance       | /Warmar accord at indeer               |
| Declared capacity for heating / War      |                                                                     | Declared coefficient of performance       |                                        |
| temperature 20°C and outdoor temperature |                                                                     | temperature 20°C and outdoor temp         |                                        |
| Tj=2°C                                   | Pdh <b>4.60</b> kW                                                  | Tj=2°C                                    | COPd 2.80 -                            |
| Tj=7°C                                   | Pdh <b>2.90</b> kW                                                  | Tj=7°C                                    | COPd <b>5.38</b> -                     |
| Tj=12°C                                  | Pdh <b>1.50</b> kW                                                  | Tj=12°C                                   | COPd 7.00 -                            |
| Tj=bivalent temperature                  | Pdh <b>4.60</b> kW                                                  | Tj=bivalent temperature                   | COPd <b>2.80</b> -                     |
| Tj=operating limit                       | Pdh <b>3.20</b> kW                                                  | Tj=operating limit                        | COPd 2.30 -                            |
|                                          |                                                                     |                                           |                                        |
| Declared capacity for heating / Cold     |                                                                     | Declared coefficient of performance       | e / Colder season, at indoor           |
| temperature 20°C and outdoor temp        | perature Tj                                                         | temperature 20°C and outdoor temp         | perature Tj                            |
| Tj=-7°C                                  | Pdh - kW                                                            | Tj=-7°C                                   | COPd                                   |
| Tj=2°C                                   | Pdh - kW                                                            | Tj=2°C                                    | COPd                                   |
| Tj=7°C                                   | Pdh - kW                                                            | Tj=7°C                                    | COPd                                   |
| Tj=12°C                                  | Pdh - kW                                                            | Tj=12°C                                   | COPd                                   |
| Tj=bivalent temperature                  | Pdh - kW                                                            | Ti=bivalent temperature                   | COPd                                   |
| Ti=operating limit                       | Pdh - kW                                                            | Tj=operating limit                        | COPd                                   |
| Tj=-15℃                                  | Pdh - kW                                                            | Tj=-15°C                                  | COPd                                   |
| 1 100                                    | i dii                                                               | 1) 10 0                                   | 0014                                   |
| Bivalent temperature                     |                                                                     | Operating limit temperature               |                                        |
| heating / Average                        | Tbiv -10 °C                                                         | heating / Average                         | Tol <b>-15</b> °C                      |
| heating / Warmer                         | Tbiv 2 °C                                                           | heating / Warmer                          | Tol -15 °C                             |
| heating / Colder                         | Tbiv - °C                                                           | heating / Colder                          | Tol - °C                               |
|                                          |                                                                     | Incating / Colder                         |                                        |
| Cycling interval capacity                |                                                                     | Cycling interval efficiency               |                                        |
| for cooling                              | Pcycc - kW                                                          | for cooling                               | EERcyc                                 |
| for heating                              | Poyce - kW                                                          | for heating                               | COPcyc                                 |
| Ior nearing                              | FCyCII = KVV                                                        | Ior heating                               | COFCyc -                               |
| Degradation as officient                 |                                                                     | Degradation apofficient                   |                                        |
| Degradation coefficient                  | Cdc <b>0.25</b> -                                                   | Degradation coefficient                   | Cdh <b>0.25</b> -                      |
| cooling                                  | Cuc 0.23 -                                                          | heating                                   | Cdh <b>0.25</b> -                      |
|                                          |                                                                     | Annual electricity consumption            |                                        |
| Electric power input in power mode       |                                                                     | Annual electricity consumption            | Qce 250 kWh/a                          |
| off mode                                 | Poff <u>4</u> W                                                     | cooling                                   |                                        |
| standby mode                             | Psb <u>4</u> W                                                      | heating / Average                         | Qhe <b>1158</b> kWh/a                  |
| thermostat-off mode                      | Pto(cooling) 14 W                                                   | heating / Warmer                          | Qhe <b>1131</b> kWh/a                  |
|                                          | Pto(heating) 15 W                                                   | heating / colder                          | Qhe - kWh/a                            |
| crankcase heater mode                    | Pck <b>0</b> W                                                      |                                           |                                        |
|                                          |                                                                     |                                           |                                        |
| Capacity control(indicate one of thr     | ee options)                                                         | Other items                               |                                        |
|                                          |                                                                     | Sound power level(indoor)                 | Lwa <b>59</b> dB(A)                    |
|                                          |                                                                     | Sound power level(outdoor)                | Lwa <b>61</b> dB(A)                    |
| fixed                                    | No                                                                  | Global warming potential                  | GWP 675 kgCO2eq.                       |
| staged                                   | No                                                                  | Rated air flow(indoor)                    | - <b>726</b> m3/h                      |
| variable                                 | Yes                                                                 | Rated air flow(outdoor)                   | - <b>1968</b> m3/h                     |
|                                          |                                                                     | · · · · · · · · · · · · · · · · · · ·     |                                        |
|                                          |                                                                     |                                           |                                        |
| Contact details for obtaining            | Name and address of the mai                                         | nufacturer or of its authorised represer  | ntative.                               |
|                                          | Name and address of the mar<br>ubishi Heavy Industries Air-Conditio |                                           | ntative.                               |
| more information Mits                    |                                                                     | ning Europe, Ltd.                         | ntative.                               |
| more information Mits 5 Tr               | ubishi Heavy Industries Air-Conditio                                | ning Europe, Ltd.                         | ntative.                               |

# INVERTER WALL MOUNTED TYPE RESIDENTIAL AIR-CONDITIONERS



MITSUBISHI HEAVY INDUSTRIES THERMAL SYSTEMS, LTD.

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