



# **TECHNICAL MANUAL**

# INVERTER WALL MOUNTED TYPE RESIDENTIAL AIR-CONDITIONERS

(Split system, air to air heat pump type)

SRK20ZSX-W, -WB, -WT

SRK25ZSX-W, -WB, -WT

SRK35ZSX-W, -WB, -WT

SRK50ZSX-W, -WB, -WT

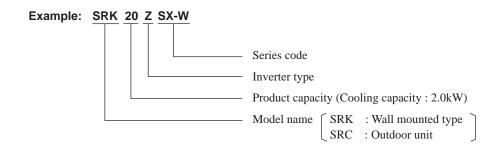
SRK60ZSX-W, -WB, -WT

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#### ■How to read the model name



 $Note(1) \ \ In \ -WB, \ -WT, \ all \ except for the color is the same specification as all \ -W.$ 

# 1. SPECIFICATIONS

				Model			SRK202	ZSX-W	
Item						or unit SRK	20ZSX-W	Outdoor unit SI	RC20ZSX-W
Power sou	ırce					1 Pha	se, 220 - 240V	, 50Hz / 220V, 60Hz	
	Nominal cooling cap	acity (rai	nge)	kW			2.0 ( 0.9(Min.)	- 3.4 (Max.))	
	Nominal heating cap	acity (ra	nge)	kW			2.7 ( 0.8(Min.)	- 5.5 (Max.))	
	Heating capacity (H2		<u> </u>	kW					
		,	oling				0.31 ( 0.1	6 - 0.76 )	
	Power consumption		ating				0.47 ( 0.1		
	l onor concumption		ating (H2)	kW			-		
	May nawar aanaumn		atting (112)				1.0	12	
	Max power consump						1.9		
	Running current		oling				.9 / 1.8 / 1.7 (2		
			ating	Α		2	· · · · · · · · · · · · · · · · · · ·	20/ 230/ 240V)	
Operation	Inrush current, max	current					2.5 N	1ax. 9	
lata	Power factor	Cod	oling	%			70	6	
	Power factor	Hea	ating	70			8	1	
	EER	Cod	oling				6.4	l5	
			ating				5.7		
	COP		ating (H2)						
						E2	I	FC	
	Sound power level		oling			53		56	
	·		ating			55		58	
	Sound pressure leve		oling	dB(A)		Me: 31 Lo: 2		43	
		Hea	ating		Hi: 38	Me: 33 Lo: 2	5 ULo: 19	45	
	Silent mode sound p	ressure	level					Cooling:33 / F	leating:38
xterior di	mensions (Height x V	Vidth x D	epth)	mm		305 x 920 x 2	20	640 x 800(+7	
	opearance					Fine snow		Stucco v	
Equivalen	•				Munsell.	( 8.0Y 9.3/0.1		Munsell: (4.2Y 7.5/	
Net weight				kg		13	,,	43.0	, ·
				ĸg		-			
	or type & Quantity	d N		14\0/				RMT5111SWE3( Twir	
<del></del>	or motor (Starting me	etnoa)		kW		-		0.75 (Inverte	/
	nt oil (Amount, type)			ł		-		0.35 ( DIAMOND F	
	nt (Type, amount, pre	-charge	length)	kg			, ,	e amount for the pipir	<u> </u>
Heat excha	anger				Louver f	ins & inner gro	oved tubing	M fins & inner gr	ooved tubing
Refrigeran	nt control					Capillar	y tubes + Elect	ronic expansion valve	)
an type 8	& Quantity					Tangential fan		Propeller f	
	(Starting method)			W		42 x1 (Direct d		34 x1 (Dire	
an motor	(Ottaiting metriou)	Co	oling			Me: 9.1 Lo: 6		31.0	
Air flow				m <sup>3</sup> /min					
			ating	D-	ПI: 12.2	Me: 10.3 Lo:	7.2 UL0: 5.4	31.0	)
	external static pressu	re		Pa		0		0	
Dutside ai						Not possible		-	
Air filter, Q	Quality / Quantity				Polyprop	ylene net (Wa		-	
Shock & vi	ibration absorber				Rubb	er sleeve (for fa	an motor)	Rubber sleeve (for fan m	notor & compressor
Electric he	eater					-		-	
	Remote control						Wireless-ren	note control	
Operation	Room temperature c	ontrol					Microcompute		
control	Operation display	70111101				DI INI: (		: Yellow , ECO: Blue	
	Operation display							tion, Overcurrent protecti	ion
								•	
Safety equ	upments			ĺ			•	ction, Indoor fan motor e	
					Heating		, , ,	re control), Cooling over	rload protection
	Refrigerant piping siz	ze ( O.D	)	mm			φ6.35 ( 1/4" )	Gas line: $\phi$ 9.52 ( 3	/8")
	Connecting method					Flare connect		Flare conr	nection
antall-t	Attached length of pi	iping		m	Liquid I	ne : 0.55 / Gas	line : 0.48	-	
nstallation	Insulation for piping	_			·			des ), independent	
lata	Refrigerant line (one	e wav) le	nath	m			Max		
	Vertical height diff. betv			m	Mass	15 ( Outdoor		Max.15 ( Outdoor un	it is lower \
		voen U.U.	and I.U.					<u> </u>	
>:	Drain hose				HOSE	connectable (	VF10)	Hole $\phi$ 20	x o pus
	p, max lift height			mm		-		-	
	nded breaker size			Α			1(		
	cked rotor ampere)			Α			2.	5	
nterconne	ecting wires Size	ze x Cor	e number		1.5mm	n <sup>2</sup> x 4 cores (Inc	uding earth cable	e) / Terminal block (Scre	ew fixing type )
P number						IPX0		IPX4	
	accessories				Mounting		ergen clear filter x	I, Photocatalytic washable of	
Option par						, ,	Interface kit ( \$		3/
Notes	(1) The data are mea	acurad a	t the follow	ing con	ditions			ngth is 5m.	
110162						omnorch	The pipe le	ngui io Jili.	
			emperature			emperature	St	andards	
	_	DB	WB		DB	WB			
	Cooling 27	7°C	19°C		35°C	24°C		D5151-T1	
	Heating 20	)°C	-	$\top \top$	7°C	6°C	ISC	D5151-H1	
		)°C	-	$\neg$	2°C	1°C		D5151-H2	
		er is ma	nufactured	and to	sted in conf	ormity with the	ISO		
	(2) This air-condition					•		ios ara camanibat	
	(2) This air-condition (3) Sound level indic	ates the	value in ar			•		ues are somewhat	
	(2) This air-condition	ates the bient cor	value in ar nditions.	n anech	oic chambe	er. During oper		ues are somewhat	

				Model			SRK25	ZSX-W	
Item					Indoo		5ZSX-W	Outdoor unit SR	C25ZSX-W
Power sou						1 Pha		, 50Hz / 220V, 60Hz	
	Nominal cooling			kW			2.5 ( 0.9(Min.)		
	Nominal heating		ange)	kW			3.2 ( 0.8(Min.)	- 6.0 (Max.))	
	Heating capacit			kW				_	
			ooling				0.44 ( 0.1	6 - 0.91 )	
	Power consum		eating	kW			0.59 ( 0.1	4 - 1.54 )	
			eating (H2)				_	_	
	Max power con						1.9	92	
	Running curren	, Co	ooling					220/ 230/ 240V)	
	realining current	He	eating	Α		3.	2/3.0/2.9 (2	220/ 230/ 240V)	
Operation	Inrush current,	max current					3.0 N	Лах. 9	
data	Power factor	Co	ooling	%			8	0	
	rower lactor	He	eating	/0			8	5	
	EER	Co	ooling				5.0	68	
	COP	He	eating				5.4	42	
	COP	He	eating (H2)				_	_	
	0	C	ooling			55		57	
	Sound power le	He	eating			56		58	
		C	ooling	dB(A)	Hi: 39	Me: 33 Lo: 2	5 ULo: 19	44	
	Sound pressure		eating	` ′		Me: 34 Lo: 27		45	
	Silent mode so					-		Cooling:35 / H	leating:39
Exterior di	mensions (Heigh			mm		305 x 920 x 2	20	640 x 800(+7	
	ppearance		-1/			Fine snow		Stucco v	/
(Equivaler	•				Munsell ·	( 8.0Y 9.3/0.1 )	. RAL: 9003	Munsell: (4.2Y 7.5/	
Net weigh				kg		13	, 0000	43.0	
	or type & Quant	itv		9		-		RMT5111SWE3( Twir	
	or motor (Startin			kW				0.75 ( Inverte	
	nt oil (Amount, ty	· /		ł				0.35 ( DIAMOND F	
	nt (Type, amoun		a longth)	kg	D31	2 1 20 in outdo	or unit (Incl. th	ne amount for the pipin	
Heat exch		it, pre-criarge	e lerigili)	Ng		ins & inner gro		M fins & inner gr	
Refrigeran					Louvern			tronic expansion valve	
Ü								Propeller f	
Fan type 8		الم		W		Tangential fan 12 x1 (Direct dr			
ran motor	(Starting metho			VV			,	34 x1 (Direc	
Air flow			ooling	m <sup>3</sup> /min		Me: 10.0 Lo: 6		31.0	
			eating		Hi: 12.8	Me: 11.0 Lo: 7	7.8 ULo: 5.4	31.0	
	external static pr	essure		Pa		0		0	
Outside ai						Not possible		-	
	Quality / Quantity					ylene net ( Wa		-	
	ibration absorbe	r			Rubbe	er sleeve (for fa	an motor)	Rubber sleeve (for fan m	otor & compressor)
Electric he	eater					-		-	
Operation	Remote control						Wireless-rer		
control	Room temperat	ture control					Microcompute	er thermostat	
COTILIO	Operation displ	ay				RUN: (	Green , TIMER	R: Yellow , ECO: Blue	
						Compressor	overheat protect	tion, Overcurrent protecti	on,
Safety equ	uipments				Frost p	rotection, Serial	signal error prote	ection, Indoor fan motor e	rror protection,
<u> </u>					Heating	overload protect	tion( High pressu	ure control), Cooling over	load protection
	Refrigerant pipi	ng size ( O.[	O )	mm		Liquid line:	φ6.35 ( 1/4" )	Gas line: φ9.52 ( 3	/8")
	Connecting me					Flare connecti		Flare conn	
	Attached length			m	Liquid li	ne : 0.55 / Gas		-	
Installation data	Insulation for pi							ides ), independent	
uaid	Refrigerant line		ength	m			Max		
	Vertical height dif			m	Max	.15 ( Outdoor ι		/ Max.15 ( Outdoor un	it is lower)
	Drain hose					connectable (		Hole φ20 :	
Drain pum	p, max lift heigh	t		mm		-	. ,	-	'
	nded breaker siz			Α			1	6	
	cked rotor ampe			A			3.		
•	ecting wires		re number		1.5mm	2 x 4 cores ( Incl		e ) / Terminal block ( Scre	ew fixing type )
IP number					1.011111	IPX0	g carti oabi	IPX <sup>2</sup>	
	accessories				Mounting		ergen clear filter x	Photocatalytic washable d	
Option pa							Interface kit (		
Notes	(1) The data are	e measured	at the follow	ing con	ditions		,	ength is 5m.	
110100	Item		temperature			emperature		<u> </u>	
	Operation	DB	WB	+	DB DB	WB	S	tandards	
		27°C	19°C	+			10/	O5151-T1	
	Cooling		19.0	+	35°C	24°C		O5151-11	
	Heating	20°C	+ -	+	7°C	6°C			
	Heating (H2)	20°C			2°C	1°C		O5151-H2	
1	(2) This air-con								
				onoch	oic chamba	r During oper	ilev asadt noite	uae ara camawhat	
	(3) Sound level			anecn	oic chambe	i. During opera	allon linese van	ues are somewhat	
	` '	o ambient co	onditions.			0 .	ation these van	ues are somewhat	

				Mode	I		SRK35	ZSX-W	
Item					Indoc		SZSX-W	Outdoor unit SF	RC35ZSX-W
Power sou						1 Pha	,	, 50Hz / 220V, 60Hz	
	Nominal cooling			kW				) - 4.5 (Max.))	
	Nominal heatin	<del></del>	ange)	kW			4.3 ( 0.8(Min.)	- 6.8 (Max.))	
	Heating capaci	, , ,	ooling	kW			0.74 ( 0.1	- 6 107)	
	Power consum		ooling eating				0.74 ( 0.1		
	Fower consum		eating (H2)	kW			0.90 ( 0.1	4 - 1.07 ) -	
	Max power con		cating (112)				1	92	
		C	ooling		†	3		220/ 230/ 240 V)	
	Running currer		eating	Α				220/ 230/ 240 V)	
Operation	Inrush current,	max current						Max. 9	
data	Power factor		ooling	%			9	1	
			eating	/0			9	2	
	EER		ooling					73	
	COP		eating				4.	78	
			eating (H2)				_	- 24	
	Sound power le	2\/AI	ooling			58		61	
			eating	dB(A)	Lli: 42	58 May 25 J ay 2	6 111 0: 10	62	
	Sound pressure		ooling eating	ub(A)		Me: 35 Lo: 2		48	
	Silent mode so				111. 42	- LU. Z	ULU. 18	Cooling:38 / H	leating:43
Exterior di	imensions (Heig			mm		305 x 920 x 2	20	640 x 800(+	
	ppearance		/		1	Fine snow	-	Stucco v	
(Equivaler					Munsell:	(8.0Y 9.3/0.1)	), RAL: 9003	Munsell: (4.2Y 7.5/	
Net weigh				kg		13		43.0	
	or type & Quant					-		RMT5111SWE3( Twir	rotary type ) x 1
	sor motor (Startir			kW		-		0.90 (Inverte	
	nt oil (Amount, ty			ł		-		0.35 ( DIAMOND F	
	nt (Type, amour	nt, pre-charge	e length)	kg				e amount for the pipir	,
Heat exch					Louver f	ins & inner gro		M fins & inner gr	
Refrigerar								tronic expansion valve	
	& Quantity	1\		W	1	Tangential fan		Propeller	
ran motor	r (Starting metho		ooling	VV		42 x1 (Direct do Me: 10.8 Lo:		34 x1 (Dire 36.0	
Air flow			eating	m <sup>3</sup> /mir		Me: 11.8 Lo:		31.0	
Available (	external static p		cating	Pa	111. 10.0	0	0.0 020.0.4	0	
Outside ai					†	Not possible	9	-	
Air filter, C	Quality / Quantity	,			Polypro	pylene net ( Wa		-	
Shock & v	ribration absorbe	er				er sleeve (for fa		Rubber sleeve (for fan n	notor & compressor)
Electric he	eater					-		-	
Operation	Remote contro						Wireless-rer		
control	Room tempera						Microcomput		
	Operation displ	ay						R: Yellow , ECO: Blue	
0 ( )								tion, Overcurrent protect	
Safety equ	uipments							ection, Indoor fan motor e	
	Pofrigorant nin	ing cizo / O I	D.)	mm	пеаші			re control), Cooling ove	
	Refrigerant pipe Connecting me		ر ح	mm	<del>                                     </del>	Flare connect	φ6.35 ( 1/4" )	Gas line: φ9.52 ( 3 Flare conr	
	Attached length			m	Liauid I	ine : 0.55 / Gas		- 1 (10 0011	
Installation	Insulation for p	<u> </u>		<del></del>				ides ), independent	
data	Refrigerant line		length	m			Max	<u> </u>	
	Vertical height dif	ff. between O.	U. and I.U.	m	Max	c.15 ( Outdoor i	unit is higher)	/ Max.15 ( Outdoor un	it is lower)
	Drain hose					e connectable (		Hole $\phi$ 20	
	np, max lift heigh			mm		-		-	
	ended breaker si			Α				6	
· ·	ocked rotor ampe	<del></del>		Α	<u> </u>	2		.3	
	ecting wires	Size x Co	ore number		1.5mn		uding earth cabl	e ) / Terminal block ( Scr	
IP number					Mountin	IPX0	organ class files	1 Photocatalytic washable of	
Option pa	accessories				iviounting	nii, Ciean Iliter ( All	_	1, Photocatalytic washable o	eodonzing liller x 1 )
Notes	(1) The data ar	e measured	at the follow	ing co	nditions		Interface kit (	ength is 5m.	
140162	Item		temperature	-		temperature		<u> </u>	I
	Operation	DB	WB	-	DB	WB	S	tandards	I
	Cooling	27°C	19°C	$\dashv$	35°C	24°C	IS	O5151-T1	ĺ
	Heating	20°C		$\dashv$	7°C	6°C		D5151-H1	ĺ
	Heating (H2)	20°C	-	$\dashv$	2°C	1°C		D5151-H2	1
	(2) This air-con		anufactured	and te					
	` '					•		ues are somewhat	
	higher due	to ambient c	onditions.			- •			
	(4) Select the b	reaker size	according to	the ov	n national s	standard.			

				Model			SRK50	ZSX-W	
Item					Indoo		(50ZSX-W	Outdoor unit S	RC50ZSX-W
Power sou			,	1344		1 Pha	,	/, 50Hz / 220V, 60Hz	
	Nominal cooling			kW				) - 6.2 (Max.))	
	Nominal heating		ange)	kW			6.0 ( 0.8(Min.	) - 8.2 (Max.))	
	Heating capacity			kW			4.04/04	-	
	D		oling				1.24 ( 0.1	/	
	Power consumpt		ating	kW			1.36 ( 0.2	20 - 2.46 )	
	May naviar assa		ating (H2)						
	Max power cons		olina					90	
	Running current		oling ating	Α				220/ 230/ 240V) 220/ 230/ 240V)	
Operation	Inrush current, m		aung	_ A			5.0	Max.15	
data	illiusii cullelli, il	-	oling					19	
data	Power factor	_	ating	%				19 19	
	EER		oling					03	
			ating					41	
	COP		ating (H2)					<del>-</del>	
		Co	oling			59		63	
	Sound power lev	/ei —	ating			62		61	
		Co	oling	dB(A)	Hi: 44	Me: 39 Lo: 3	R1 III o: 22	51	
	Sound pressure	ievei —	ating	J. (7 1)	Hi: 47	Me: 41 Lo: 3		49	
	Silent mode sour				111.41	- LU. 3	,. 010.20	Cooling:42 / I	
Exterior di	imensions (Height			mm		305 x 920 x 2	220	640 x 800(+	
	ppearance	I A VVIGIT A L	эсриі)			Fine snow	_	Stucco	
(Equivaler	• •				Munsell.	( 8.0Y 9.3/0.1		Munsell: (4.2Y 7.5	
Net weigh				kg	Muliseli.	13	), ICAL: 3003	45	, -
	sor type & Quantity	V		9		-		RMT5111SWE3( Twi	
	sor motor (Starting			kW				1.50 ( Inverte	
	nt oil (Amount, typ			ł				0.45 ( DIAMOND F	/
	nt (Type, amount,		lenath)	kg	R3	2 1 30 in outd	oor unit (Incl. th	ne amount for the pipir	
Heat exch		pre charge	iongin)	ı.g		fins & inner gro		M fins & inner gr	
Refrigerar					Louvoi			tronic expansion valve	
Fan type 8						Tangential far		Propeller	
	r (Starting method	)		W		42 x1 (Direct d		34 x1 (Dire	
	r (Otarting method		oling				7.8 ULo: 5.4	39.	
Air flow			ating	m³/min			9.8 ULo: 6.2	33.	
Available (	external static pre		ating	Pa	111. 17.0	0	3.0 OLO. 0.2	0	<u> </u>
Outside ai		.55410		- u		Not possibl	Δ	-	
	Quality / Quantity				Polypro	pylene net (Wa			
	ibration absorber					er sleeve (for f		Rubber sleeve (for fan r	notor & compressor
Electric he					Rubb	-	an motor)		lotor & compressor,
	Remote control						Wireless re	mote control	
Operation	Room temperatu	ire control						er thermostat	
control	Operation displa					RUN.		R: Yellow , ECO: Blue	
	opolation diopia	,						ction, Overcurrent protect	ion.
Safety equ	uipments				Frost r			ection, Indoor fan motor	
ou.o., oq.	a.p					,		ure control ), Cooling ove	
	Refrigerant pipin	a size ( O.D	) )	mm			φ6.35 ( 1/4" )	Gas line: φ12.7 (1	
	Connecting meth					Flare connect		Flare con	
	Attached length			m	Liauid I	ine : 0.55 / Ga		- 1010 0011	
Installation	Insulation for pip							ides ), independent	
data	Refrigerant line		enath	m				x.30	
	Vertical height diff.			m	Max	20 ( Outdoor		/ Max.20 ( Outdoor ur	nit is lower)
	Drain hose					e connectable		Hole $\phi$ 20	
Drain pum	np, max lift height			mm		-	( )		<i>x</i>
	ended breaker size	<del></del>		А			2	20	
	ocked rotor amper			Α				.0	
	ecting wires	Size x Co	re number		1.5mn	n <sup>2</sup> x 4 cores ( Inc		e ) / Terminal block ( Scr	ew fixing type )
IP number						IPX0	. 3 23.31 000	IPX	
	accessories				Mountina		llergen clear filter x	Photocatalytic washable of	
Option pa							Interface kit (	· · · · · · · · · · · · · · · · · · ·	
Notes	(1) The data are	measured a	at the follow	ing con	ditions.		·	ength is 5m.	•
	Item	Indoor air to				temperature	1		1
	Operation	DB	WB	<u> </u>	DB	WB	1 <sup>s</sup>	tandards	1
	Cooling	27°C	19°C		35°C	24°C	IS	O5151-T1	1
		20°C	-	$\dashv$	7°C	6°C		O5151-H1	1
	l Heating I					,			
	Heating (H2)		-		2°C	1°C	IS	O5151-H2	1
	Heating (H2)	20°C	- anufactured	and tes	2°C sted in conf		<u>.                                      </u>	O5151-H2	]
	Heating (H2) (2) This air-cond	20°C itioner is ma			sted in conf	ormity with the	e ISO.		]
	Heating (H2) (2) This air-cond	20°C itioner is ma ndicates the	value in ar		sted in conf	ormity with the	e ISO.	O5151-H2 ues are somewhat	]

				Model			SRK60	ZSX-W	
Item					Indoo		60ZSX-W	Outdoor unit SF	RC60ZSX-W
Power sou				1327		1 Pha		, 50Hz / 220V, 60Hz	
	Nominal cooling			kW			6.1 ( 1.0(Min.)		
	Nominal heating		ange)	kW			6.8 ( 0.8(Min.)	- 8.8 (Max.))	
	Heating capacit			kW				-	
			ooling				1.71 ( 0.1		
	Power consump		eating	kW			1.65 ( 0.2	0 - 2.86 )	
			eating (H2)				_	-	
	Max power con:						2.9		
	Running current		ooling					220/ 230/ 240V)	
		He	eating	Α		7.		220/ 230/ 240V)	
	Inrush current, i							Лах. 15	
data	Power factor		ooling	%			9		
		He	eating	,,			9		
	EER		oling				3.5		
	COP		eating				4.	12	
			eating (H2)				_	-	
	Sound power le	VAI	ooling			62		65	
		He	eating			63		64	
	Sound pressure		ooling	dB(A)		Me: 41 Lo: 33		52	
		He	eating		Hi: 47	Me: 42 Lo: 34	4 ULo: 23	53	
	Silent mode sou					-		Cooling:42 / F	
	mensions (Heigh	nt x Width x [	Depth)	mm		305 x 920 x 2	20	640 x 800(+	
Exterior ap		<u> </u>				Fine snow		Stucco v	
(Equivalen	nt color)				Munsell:	( 8.0Y 9.3/0.1 )	, RAL: 9003	Munsell: (4.2Y 7.5/	1.1), RAL:7044
Net weight				kg		13		45	
	or type & Quanti					-		RMT5111SWE3( Twir	
Compress	or motor (Startin	g method)		kW		-		1.50 (Inverte	
Refrigeran	nt oil (Amount, ty	pe)		ł		-		0.45 ( DIAMOND F	REEZE MB75 )
Refrigeran	nt (Type, amoun	t, pre-charge	length)	kg	R32	2 1.30 in outdo	or unit (Incl. th	e amount for the pipir	ng of 15m )
Heat excha		_				fins & inner groo		M fins & inner gr	
Refrigeran	nt control					Capillar	y tubes + Elec	tronic expansion valve	)
Fan type 8						Tangential fan		Propeller t	
	(Starting metho	d)		W		12 x1 (Direct dr		34 x1 (Dire	
	<u> </u>		oling	3, .		Me: 13.4 Lo: 8	,	41.5	
Air flow			eating	m <sup>3</sup> /min		/le: 13.7 Lo: 10		39.0	
Available e	external static pr		<u> </u>	Pa		0	-	0	
Outside air						Not possible	)	-	
	Quality / Quantity				Polypror	ylene net (Wa		-	
	ibration absorbe	r				er sleeve (for fa		Rubber sleeve (for fan m	notor & compressor
Electric he						-	,	-	
	Remote control						Wireless rer	note control	
Operation	Room temperat	ure control			i e		Microcompute		
control	Operation displa				i e	RUN: (		R: Yellow , ECO: Blue	
		•			<u> </u>			tion, Overcurrent protecti	ion,
Safety equ	uipments				Frost n			ection, Indoor fan motor e	
								re control), Cooling over	
	Refrigerant pipi	na size ( O F	) )	mm			$\phi$ 6.35 ( 1/4" )	Gas line: $\phi$ 12.7 (1	
	Connecting met		,			Flare connecti	·	Flare conr	
	Attached length			m	l jauid li	ne : 0.55 / Gas		- 1410 00111	
Installation	Insulation for pi				quiu II			ides ), independent	
data	Refrigerant line		enath	m		11000	Max		
	Vertical height diff	. ,		m	May	.20 ( Outdoor i		Max.20 ( Outdoor un	it is lower )
	Drain hose					connectable (		Hole $\phi$ 20	
Drain num	p, max lift height	•		mm	. 1030	-	,	1.010 ¥20	0 p00
	nded breaker siz			А	<b>-</b>		2	<u> </u>	
	cked rotor ampe			A	<b> </b>		5.		
,	ecting wires		re number	/ (	1 5m~	2 v 4 cores / Incl		e ) / Terminal block ( Scre	ow fixing type \
IP number		OILG A OU	i o manibol		1.511111	IPX0	ading carin cable	PX4	
	accessories				Mounting		ergen clear filter v	1, Photocatalytic washable of	
Option par					incurring	, closif inter ( All	Interface kit (		
Notes	(1) The data are	measured a	at the follow	ina cor	ditions			ength is 5m.	
110103	Item		emperature			temperature			
	Operation	DB	WB	<del>'   '</del>	DB	WB	S	tandards	
	Cooling	27°C	19°C	+	35°C	24°C	10/	O5151-T1	
			19 0	$\dashv$				D5151-11	
	Heating Heating (H2)	20°C 20°C	<del></del>	+	7°C 2°C	6°C 1°C		D5151-H1	
ı	(2) This air-cond		nufactured	and to				JU 1 U 1 -1 1 L	
1	TO THIS SILECONO	annoner is ma	anuractured			JITHILY WITH THE			
			value in c-	anaah	nic chamba	r During one-	ation those wel-	ine are comowhat	
	(3) Sound level	indicates the		anech	oic chambe	er. During opera	ation these val	ues are somewhat	
	(3) Sound level	indicates the ambient co	onditions.				ation these val	ues are somewhat	

				Model			SRK202	ZSX-WB	
Item					Indoo	r unit SRK	20ZSX-WB	Outdoor unit S	RC20ZSX-W
Power sou	urce					1 Ph	ase, 220 - 240\	, 50Hz / 220V, 60Hz	
	Nominal cooling	capacity (rar	nge)	kW			2.0 ( 0.9(Min.	) - 3.4 (Max.))	
	Nominal heating	capacity (rai	nge)	kW			2.7 ( 0.8(Min.)	) - 5.5 (Max.))	
	Heating capacity	(H2)		kW			-	-	
		Cod	oling				0.31 ( 0.1	6 - 0.76 )	
	Power consumpt	ion Hea	ating	kW			0.47 ( 0.1	4 - 1.36)	
		Hea	ating (H2)	KVV			-	-	
	Max power const	umption					1.	92	
	Running current	Cod	oling				1.9 / 1.8 / 1.7 (2	220/ 230/ 240V)	
	Running current	Hea	ating	Α		:	2.6 / 2.5 / 2.4 (2	220/ 230/ 240V)	
Operation	Inrush current, m	ax current					2.5	Max. 9	
data	Power factor	Cod	oling	0/			7	6	
	Power factor	Hea	ating	%			8	1	
	EER	Cod	oling				6.	45	
	COP	Hea	ating				5.	74	
	COP	Hea	ating (H2)				-	=	
	0 1 1	Cod	oling			53		56	
	Sound power lev		ating			55		58	
	0 1	Cod	oling	dB(A)	Hi: 38	Me: 31 Lo:	24 ULo: 19	43	
	Sound pressure		ating	l ` ′		Me: 33 Lo: 2		45	
	Silent mode sour					-		Cooling:33 / H	leating:38
Exterior di	imensions (Height			mm		305 x 920 x	220	640 x 800(+	
	ppearance		1/		Fine snow		), (RAL: 9003)	Stucco	
(Equivaler							5), (RAL:9011)	Munsell: (4.2Y 7.5	
Net weight				kg	(	13	,, ( ======)	43.0	
0	sor type & Quantity	/		9		-		RMT5111SWE3( Twi	
	sor motor (Starting			kW		-		0.75 (Inverte	
	nt oil (Amount, type			ł				0.35 ( DIAMOND F	
	nt (Type, amount,		lenath)	kg	R33	2 1 20 in outo	loor unit (Incl. th	ne amount for the pipir	
Heat exch		pro onargo	iongin)	- Ng		ns & inner gro		M fins & inner gr	
Refrigeran					Loavern			tronic expansion valve	
Fan type 8						Tangential fa		Propeller	
	r (Starting method			W		12 x1 (Direct of		34 x1 (Dire	
ran motor	(Starting method		oling	٧٧			6.0 ULo: 5.0	34 X1 (Dile	
Air flow			ating	m <sup>3</sup> /min			7.2 ULo: 5.4	31.0	
Avoilable (	ovtornal atatia pro		aurig	Pa	Пі. 12.2	0 vie. 10.3	7.2 ULU. 5.4	0	J
Outside ai	external static pre	ssure		га		Not possib	lo.	-	
					Dolumer	ylene net (W			
	Quality / Quantity vibration absorber					er sleeve (for		Rubber sleeve (for fan r	
					Rubbe	er sieeve (ioi	ian motor)	Rubbel Sleeve (101 lall I	notor & compressor,
Electric he	1						\\/iralaaa ra	-	
Operation	Remote control							mote control	
control	Room temperatu Operation display					DUN		er thermostat R: Yellow , ECO: Blue	
	Toperation display	/						tion, Overcurrent protect	ion
Cofoty on	uinmonto				Eroot n			ection, Indoor fan motor e	
Safety equ	uipinienis						0 1	,	
	Defrigerent pinin	a sizo ( O D	\	mm	пеаші			ure control ), Cooling ove	
	Refrigerant piping	•	)	mm			φ6.35 (1/4")	Gas line: $\phi$ 9.52 ( 3	
	Connecting meth				المنامل ا	Flare connec		Flare con	IECTION
Installation	Attached length of Insulation for pipe			m	∟iquia li	ne : 0.55 / Ga		idos ) indonordant	
data			nath	m		INE(		ides ), independent x.25	
	Refrigerant line			m	N A	15 ( Outdo-			oit in lower \
	Vertical height diff.	between U.U.	anu I.U.	m			<u> </u>	/ Max.15 ( Outdoor ur	
Droin :-::	Drain hose			mm	HOSE	connectable	( VF10 )	Hole	ο λ ο μυς
	np, max lift height			mm				-	
	ended breaker size			A				6	
	ocked rotor ampere		0 minol	Α		24		.5	fining ( )
	ecting wires	Size x Core	e number		1.5mm		ciuding earth cabl	e ) / Terminal block ( Scr	
IP number					Marrie	IPX0	Harman alc eu-	IPX	
	accessories				iviounting	κιι, Ciean tilter ( Α		1, Photocatalytic washable	ueodorizing fliter x 1)
Option par			4 4la e f - 11	la e	alitia		Interface kit (		
Notes	(1) The data are						ı ne pipe le	ength is 5m.	1
	Item	Indoor air te		(		emperature	- s	tandards	
	Operation	DB 27°C	WB	-	DB	WB			
		2700	19°C	$\perp$	35°C	24°C		O5151-T1	
	Cooling				7°C	6°C	ı IS	O5151-H1	
	Cooling Heating	20°C	-						
	Cooling Heating Heating (H2)	20°C 20°C	-		2°C	1°C	IS	O5151-H2	
	Cooling Heating Heating (H2) (2) This air-condi	20°C 20°C tioner is mar			2°C sted in conf	1°C ormity with the	ISO.	O5151-H2	
	Cooling Heating Heating (H2) (2) This air-condi (3) Sound level in	20°C 20°C tioner is man	value in ar		2°C sted in conf	1°C ormity with the	ISO.		
	Cooling Heating Heating (H2) (2) This air-condi	20°C 20°C tioner is man ndicates the ambient cor	value in ar nditions.	n anech	2°C sted in conf oic chambe	1°C ormity with the er. During ope	ISO.	O5151-H2	

			Model			SRK25	ZSX-WB	
Item				Indoo		5ZSX-WB	Outdoor unit SF	RC25ZSX-W
Power sou			11147		1 Pha		, 50Hz / 220V, 60Hz	
	Nominal cooling capac		kW				) - 3.8 (Max.))	
	Nominal heating capa	city (range)	kW			3.2 ( 0.8(Min.)	- 6.0 (Max.))	
	Heating capacity (H2)		kW				-	
	<u>_</u> .	Cooling				0.44 ( 0.1		
	Power consumption	Heating	kW			0.59 ( 0.1	4 - 1.54 )	
		Heating (H2)	l				-	
	Max power consumpti						92	
	Running current	Cooling					220/ 230/ 240V)	
	ū	Heating	Α		3		220/ 230/ 240V)	
-	Inrush current, max cu						Max. 9	
data	Power factor	Cooling	%				0	
		Heating					5	
	EER	Cooling					68	
	COP	Heating	l			5.	42	
		Heating (H2)				_	_	
ì	Sound power level	Cooling			55		57	
	Counta porror lover	Heating			56		58	
	Sound pressure level	Cooling	dB(A)		Me: 33 Lo: 2		44	
	Couria pressure level	Heating		Hi: 40	Me: 34 Lo: 2	7 ULo: 19	45	
	Silent mode sound pre				-		Cooling:35 / I	
Exterior di	mensions (Height x Wi	dth x Depth)	mm		305 x 920 x 2	20	640 x 800(+	71) x 290
Exterior ap	opearance			Fine snov	/ (8.0Y 9.3/0.1)	, (RAL:9003)	Stucco	white
(Equivaler	•				OPB 2.44/0.25)		Munsell: (4.2Y 7.5	1.1), RAL:7044
Net weight			kg	,	13	,	43.0	<u> </u>
	or type & Quantity		Ť		-		RMT5111SWE3( Twi	
Compress	or motor (Starting meth	nod)	kW		_		0.75 ( Inverte	
	nt oil (Amount, type)		ł		_		0.35 ( DIAMOND F	
	nt (Type, amount, pre-c	charge length)	kg	R3	2 1.20 in outdo	or unit (Incl. th	ne amount for the pipir	
Heat exch		marge rerigiin,	- iig		ins & inner gro		M fins & inner gr	
Refrigeran	<u>~</u>			200101			tronic expansion valve	
Fan type 8			<b>-</b>		Tangential fan	,	Propeller	
	(Starting method)		W		42 x1 (Direct d		34 x1 (Dire	
i aii iiiotoi	(Starting metriod)	Cooling		LI: 12.2	Me: 10.0 Lo:	,	31.0	
Air flow		Heating	m³/min		Me: 11.0 Lo:		31.0	
Available	external static pressure		Pa	HI. 12.0	0	7.6 OLO. 5.4	0	)
Outside ai	· · · · · · · · · · · · · · · · · · ·		Га		Not possible		-	
				Dolunro				
	Quality / Quantity ibration absorber				oylene net ( Wa		Dubbar alasus (far fan r	
				Rubb	er sleeve (for fa	an motor)	Rubber sleeve (for fan r	notor & compressor)
Electric he						\A/:		
Operation	Remote control					Wireless-rei		
control	Room temperature co	ntroi			DUNI		er thermostat	
	Operation display						R: Yellow , ECO: Blue	
0 ( )							tion, Overcurrent protect	
Safety equ	upments						ection, Indoor fan motor e	
	la ()	(0.5)	<u> </u>	Heating			ure control ), Cooling ove	
	Refrigerant piping size	e ( U.D )	mm			φ6.35 ( 1/4" )	Gas line: φ9.52 (3	
	Connecting method	,	<u> </u>		Flare connect		Flare con	nection
Installation	Attached length of pipi	ng	m	Liquid I	ine : 0.55 / Gas		-	
data	Insulation for piping				Nece		ides ), independent	
	Refrigerant line (one		m				k.25	
	Vertical height diff. betwe	en O.U. and I.U.	m				/ Max.15 ( Outdoor ur	
	Drain hose			Hose	e connectable (	VP16)	Hole <i>ϕ</i> 20	x 5 pcs
Drain pum	p, max lift height		mm		-		-	
Recomme	nded breaker size		Α			1	6	
L.R.A. (Lo	cked rotor ampere)		Α			3	.0	
Interconne	ecting wires Size	x Core number		1.5mn	x 4 cores (Inc	uding earth cabl	e ) / Terminal block ( Scr	ew fixing type )
IP number					IPX0		IPX	
Standard a	accessories			Mounting	kit, Clean filter ( All	ergen clear filter x	1, Photocatalytic washable	deodorizing filter x 1)
Option par						Interface kit (	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
Notes	(1) The data are meas	ured at the follow	ing con	nditions.			ength is 5m.	
		or air temperature			temperature			
	Operation DE		<del>-   `</del>	DB	WB	S	tandards	
	Cooling 27°		+	35°C	24°C	IS	O5151-T1	
İ	Heating 20°		+	7°C	6°C		D5151-H1	
	Heating (H2) 20°		+	2°C	1°C		D5151-H2	
i	(2) This air-conditione		and to				JU 10 1-1 12	1
	` '				•		uos ara comowhat	
	(3) Sound level indicat		ı anech	ioic chambe	a. During oper	auon mese val	ues are somewnat	
	higher due to ambi		41-		Annala I			
	(4) Select the breaker	size according to	tne ow	m national s	iandard.			

				Model			SRK352	ZSX-WB	
Item					Indoo		5ZSX-WB	Outdoor unit SI	RC35ZSX-W
Power sou						1 Pha		, 50Hz / 220V, 60Hz	
	Nominal cooling			kW				) - 4.5 (Max.))	
	Nominal heating	<u> </u>	ange)	kW			4.3 ( 0.8(Min.)	) - 6.8 (Max.))	
	Heating capacit			kW			-	-	
			ooling				0.74 ( 0.1		
	Power consump		eating	kW			0.90 ( 0.1	4 - 1.87 )	
			eating (H2)					-	
	Max power con							92	
	Running curren		ooling					220/ 230/ 240V)	
0 "	ŭ	<u> </u>	eating	Α		4		220/ 230/ 240V)	
	Inrush current,							Max. 9	
data	Power factor		ooling	%				1	
	EED		eating		-			2	
	EER		ooling					73	
	COP		eating				4.	78	
			eating (H2)			50		- 04	
	Sound power le	·V(+) —	ooling			58		61	
			eating	٩٥/٨/	115: 40	58	0. 111 -: 40	62	
	Sound pressure		ooling eating	dB(A)		Me: 35 Lo: 2		48 47	
	Silent mode sou				HI: 42	Me: 35 Lo: 2	o ULU: 19	Cooling:38 / I	Joating: 42
Evtorior d'				mm		305 x 920 x 2	220		
	mensions (Heigh	III X VVIOTN X	nehtu)	mm	Fine			640 x 800(+	<u> </u>
Exterior ap	•					(8.0Y 9.3/0.1)		Stucco	
(Equivalen				l.~	ыаск (4.	OPB 2.44/0.25)	, (RAL:9011)	Munsell: (4.2Y 7.5	
Net weight	r or type & Quanti	itv.		kg		13 -		43.0 RMT5111SWE3( Twi	
Compress	or type & Quant	ITY		kW				0.90 ( Inverte	
	or motor (Startin			£ KVV		-		0.90 ( Inverte	
	t oil (Amount, ty		a law sith)	_	Do	2 4 20 in autal	a a r it / l a a l . th	\	
	t (Type, amoun	it, pre-charge	e length)	kg				ne amount for the pipi	,
Heat exch					Louveri	ins & inner gro		M fins & inner g	
Refrigeran								tronic expansion valve	
Fan type 8		-1\		W		Tangential fan		Propeller	
Fan motor	(Starting metho		a a line	VV		42 x1 (Direct d		34 x1 (Dire	
Air flow			ooling	m <sup>3</sup> /min		Me: 10.8 Lo:		36.0	
Aveilable 4	system of ototic nu		eating	Pa	Пі: 13.9	Me: 11.8 Lo:	8.6 UL0: 5.4	31.0	)
Outside ai	external static pr	essure		Ра		0		0	
					Dalumra	Not possible		-	
	uality / Quantity					oylene net ( Wa		Dubbar alasus (for for s	t 0
	ibration absorbe	FT			Rubb	er sleeve (for f	an motor)	Rubber sleeve (for fan r	notor & compressor)
Electric he							\\/inclose no.	-	
Operation	Remote control							note control er thermostat	
control	Room temperat					DUN		R: Yellow , ECO: Blue	
	Operation displa	ay							·
Cofoty on	ilm ma a mata						-	tion, Overcurrent protect	
Safety equ	iipments						•	ection, Indoor fan motor e ure control ), Cooling ove	
	Dofrigoront nini	na sizo / O [	2.)	mm	Healing		, , ,	,, ,	•
	Refrigerant pipi	<u> </u>	)	mm			$\phi$ 6.35 ( 1/4" )	Gas line: $\phi$ 9.52 ( 3	
	Connecting me			m	المناسنا	Flare connect		Flare con	IECLIOII
Installation	Attached length			m	Liquid	ine : 0.55 / Ga		idos ) indonordant	
data	Insulation for pi		lonath			Nec		ides ), independent	
	Refrigerant line	• • • • • • • • • • • • • • • • • • • •		m	Max	15 ( Outdoor		(.25 / May 15 / Outdoor up	it is lower \
	Vertical height diff	i. between O.t	o. and I.U.	m				/ Max.15 ( Outdoor un	
Drain num	Drain hose	t		mm	HOS	e connectable	( VP 10 )	Hole $\phi$ 20	i x a pus
	p, max lift heigh			mm A		-	4	-	
	nded breaker siz			A				6	
	cked rotor ampe	i	oro numbo-	^	4.5.	2 4 ( )		.3	and finding to the angle
	ecting wires	Joize X CC	ore number	<b>—</b>	1.5mr		iuding earth cabl	e ) / Terminal block ( Scr	
IP number	accessories				Morratio -	IPX0	lorgon cloor filter	IPX  1, Photocatalytic washable	
					iviounting	kit, Ciean iliter ( Al			aeodonzing liller x 1 )
Option par		o meacurad	at the fellow	ing co	l ditions		Interface kit (		
Notes	(1) The data are					tomporatives	rne pipe le	ength is 5m.	Ī
	Operation		temperature	·   (		temperature	S	tandards	
	Operation	DB 27°C	WB 10°C	+	DB	WB	10	O5151 T1	
	Cooling	27°C	19°C	+	35°C	24°C		O5151-T1	
	Heating (H2)	20°C	+ -	+	7°C	6°C		05151-H1	
	Heating (H2)	20°C	onufactor: '	0544	2°C	1°C		O5151-H2	
1	(2) This air-cond							uos ara aamawhat	
l				ı anech	ioic chambi	a. During oper	auon these val	ues are somewhat	
	•	o ambient co							
	(4) Select the b	reaker size a	according to	tne ow	n national s	standard.			

Item			Model			SRK50Z	ZSX-WB	
				Indoo		ZSX-WB	Outdoor unit S	RC50ZSX-W
Power sou	1		11111			· .	, 50Hz / 220V, 60Hz	
	Nominal cooling capac		kW				) - 6.2 (Max.))	
	Nominal heating capac	ity (range)	kW			6.0 ( 0.8(Min.	) - 8.2 (Max.))	
	Heating capacity (H2)		kW				-	
		Cooling				1.24 ( 0.1		
	Power consumption	Heating	kW			1.36 ( 0.2	.0 - 2.46 )	
		Heating (H2)	''''				-	
	Max power consumption					2.9		
	Running current	Cooling					220/ 230/ 240V)	
	rtarining carront	Heating	Α		6.2	2/6.0/5.7 (2	220/ 230/ 240V)	
Operation	Inrush current, max cu	rent				5.0	Max.15	
data	Power factor	Cooling	%			9	9	
	r ower factor	Heating	/0			9	9	
	EER	Cooling				4.0	03	
	COP	Heating	<b>j</b>			4.4	41	
	COP	Heating (H2)	<b>i</b> !			_	=	
	Cound nouser lovel	Cooling			59		63	
	Sound power level	Heating	<b>i</b> !		62		61	
	Cound processes less !	Cooling	dB(A)	Hi: 44	Me: 39 Lo: 31	ULo: 22	51	
	Sound pressure level	Heating	` ´		Me: 41 Lo: 33		49	
	Silent mode sound pre		1 1		-		Cooling:42 / H	leating:43
xterior di	imensions (Height x Wic		mm		305 x 920 x 22	:0	640 x 800(+	
	ppearance	=/		Fine snow	(8.0Y 9.3/0.1),		Stucco	
Equivaler	• •		1 1		PB 2.44/0.25), (		Munsell : ( 4.2Y 7.5/	
let weight			kg	2.301 (7.0	13		45	,, 1012.1044
	or type & Quantity		ı.g		-		RMT5111SWE3( Twi	n rotary type ) v 1
	sor motor (Starting meth	nd)	kW				1.50 ( Inverte	
	nt oil (Amount, type)	<i>Ju)</i>	ł				0.45 ( DIAMOND F	
	nt (Type, amount, pre-c	agrae longth)	kg	D21	2 1 20 in outdo	or unit (Incl. th	ne amount for the pipir	
Heat exch		large lerigili)	ky		ins & inner groo		M fins & inner gr	
				Louveri				
Refrigeran							tronic expansion valve	
	& Quantity		10/		Tangential fan x		Propeller	
-an motor	r (Starting method)	To "	W		42 x1 (Direct dri		34 x1 (Dire	
Air flow		Cooling	m³/min		Me: 12.4 Lo: 7		39.	
		Heating		Hi: 17.3	Me: 14.3 Lo: 9	.8 ULo: 6.2	33.	0
	external static pressure		Pa		0		0	
Dutside ai					Not possible		-	
	Quality / Quantity				oylene net (Was		-	
	ribration absorber			Rubb	er sleeve (for fa	n motor)	Rubber sleeve (for fan n	notor & compresso
Electric he	2				-		-	
Operation	Remote control					Wireless rer	mote control	
•	Room temperature cor	trol					er thermostat	
ontrol	Operation display				RUN: G	reen, TIMEF	R: Yellow , ECO: Blue	
control								
control					Compressor	overheat protec	tion, Overcurrent protect	ion,
	uipments			Frost p			ction, Overcurrent protect ection, Indoor fan motor e	
	uipments				rotection, Serial s	ignal error prote		error protection,
	uipments  Refrigerant piping size	(O.D)	mm		rotection, Serial s overload protection Liquid line: \$\psi\$	ignal error prote on( High pressu 56.35 ( 1/4" )	ection, Indoor fan motor e	error protection, rload protection
		( O.D )	mm		rotection, Serial s overload protecti	ignal error prote on( High pressu 56.35 ( 1/4" )	ection, Indoor fan motor eure control), Cooling ove	error protection, rload protection /2")
Safety equ	Refrigerant piping size		mm	Heating	rotection, Serial s overload protection Liquid line: \$\psi\$	ignal error prote on( High pressu 66.35 ( 1/4" ) on	ection, Indoor fan motor $\epsilon$ ure control), Cooling ove Gas line: $\phi$ 12.7 (1	error protection, rload protection /2")
Safety equ	Refrigerant piping size Connecting method			Heating	rotection, Serial s overload protection Liquid line: ¢ Flare connection ine: 0.55 / Gas	ignal error prote on( High pressu 56.35 ( 1/4" ) on line : 0.48	ection, Indoor fan motor e ure control), Cooling ove Gas line: $\phi$ 12.7 (1 Flare conr	error protection, rload protection /2")
Safety equ	Refrigerant piping size Connecting method Attached length of pipi Insulation for piping	ng		Heating	rotection, Serial s overload protection Liquid line: ¢ Flare connection ine: 0.55 / Gas	ignal error prote on( High pressu 56.35 ( 1/4" ) on line : 0.48	ection, Indoor fan motor e ure control), Cooling ove Gas line: $\phi$ 12.7 (1 Flare conr - ides), independent	error protection, rload protection /2")
Safety equ	Refrigerant piping size Connecting method Attached length of pipi Insulation for piping Refrigerant line (one v	ng vay) length	m	Heating Liquid li	rotection, Serial s overload protection Liquid line: ¢ Flare connection ine: 0.55 / Gas Neces	ignal error prote on( High pressu 66.35 ( 1/4" ) on line: 0.48 ssary ( Both s	ection, Indoor fan motor e ure control ), Cooling ove Gas line: $\phi$ 12.7 (1 Flare conr - ides ), independent c.30	error protection, rload protection 1/2") nection
Safety equ	Refrigerant piping size Connecting method Attached length of pipi Insulation for piping Refrigerant line (one was vertical height diff. between	ng vay) length	m m	Heating Liquid li	rotection, Serial s overload protection Liquid line: \$\phi\$ Flare connection ine: 0.55 / Gas Neces	ignal error prote on( High pressu 6.35 ( 1/4" ) on line : 0.48 ssary ( Both s Max nit is higher )	ection, Indoor fan motor e ure control ), Cooling ove Gas line: $\phi$ 12.7 (1 Flare conr dides ), independent c.30 / Max.20 ( Outdoor un	error protection, rload protection 1/2") nection
Safety equents of the stallation data	Refrigerant piping size Connecting method Attached length of pipi Insulation for piping Refrigerant line (one v Vertical height diff. between Drain hose	ng vay) length	m m m	Heating Liquid li	rotection, Serial s overload protection Liquid line: ¢ Flare connection ine: 0.55 / Gas Neces	ignal error prote on( High pressu 6.35 ( 1/4" ) on line : 0.48 ssary ( Both s Max nit is higher )	ection, Indoor fan motor e ure control ), Cooling ove Gas line: $\phi$ 12.7 (1 Flare conr - ides ), independent c.30	error protection, rload protection 1/2") nection
Safety equestion stallation lata	Refrigerant piping size Connecting method Attached length of pipi Insulation for piping Refrigerant line (one v Vertical height diff. between Drain hose The page of the piping size of	ng vay) length	m m m	Heating Liquid li	rotection, Serial s overload protection Liquid line: \$\phi\$ Flare connection ine: 0.55 / Gas Neces	ignal error prote on( High pressu 6.35 ( 1/4" ) on line : 0.48 ssary ( Both s Max nit is higher )	ection, Indoor fan motor e are control ), Cooling ove Gas line: $\phi$ 12.7 (1 Flare conr - ides ), independent c.30 / Max.20 ( Outdoor un Hole $\phi$ 20	error protection, rload protection 1/2") nection
Safety equinistallation lata  Drain pum Recomme	Refrigerant piping size Connecting method Attached length of pipi Insulation for piping Refrigerant line (one v Vertical height diff. between Drain hose p, max lift height ended breaker size	ng vay) length	m m m	Heating Liquid li	rotection, Serial s overload protection Liquid line: \$\phi\$ Flare connection ine: 0.55 / Gas Neces	ignal error prote on( High pressu 6.35 ( 1/4" ) on line : 0.48 ssary ( Both s Max nit is higher ) VP16 )	ection, Indoor fan motor e are control ), Cooling ove Gas line: $\phi$ 12.7 (1 Flare conr - ides ), independent $\kappa$ .30 / Max.20 ( Outdoor un Hole $\phi$ 20 -	error protection, rload protection 1/2") nection
nstallation lata  Drain pum Recomme	Refrigerant piping size Connecting method Attached length of pipi Insulation for piping Refrigerant line (one v Vertical height diff. between Drain hose pp, max lift height ended breaker size pocked rotor ampere)	ray) length	m m m	Liquid li  Max Hose	rotection, Serial s overload protection Liquid line: Flare connection ine: 0.55 / Gas Neces	ignal error prote on( High pressu 6.35 ( 1/4" ) on line : 0.48 ssary ( Both s Max nit is higher ) VP16 )	ection, Indoor fan motor e are control ), Cooling ove Gas line: $\phi$ 12.7 (1 Flare conr - ides ), independent c.30 / Max.20 ( Outdoor un Hole $\phi$ 20 -	error protection, rload protection //2") nection  iit is lower) 0 x 5 pcs
Safety equestion stallation lata  Orain pum RecommeR.A. (Lo	Refrigerant piping size Connecting method Attached length of pipi Insulation for piping Refrigerant line (one v Vertical height diff. between Drain hose Inp., max lift height Ended breaker size Decked rotor ampere) Ecting wires Size	ng vay) length	m m m	Liquid li  Max Hose	rotection, Serial s overload protection. Liquid line: Flare connection. Ine: 0.55 / Gas Neces. 1.20 (Outdoor und connectable (Notes)	ignal error prote on( High pressu 6.35 ( 1/4" ) on line : 0.48 ssary ( Both s Max nit is higher ) VP16 )	ection, Indoor fan motor e ure control ), Cooling ove Gas line: $\phi$ 12.7 (1 Flare conr - ides ), independent 3.30 / Max.20 ( Outdoor un Hole $\phi$ 20 - 0 0 e ) / Terminal block ( Scr.	error protection, rload protection //2") nection  iit is lower) 0 x 5 pcs  ew fixing type)
Safety equalistic stallation at a Drain pum RecommeR.A. (Lonterconne Pnumber	Refrigerant piping size Connecting method Attached length of pipi Insulation for piping Refrigerant line (one v Vertical height diff. between Drain hose Inp., max lift height Ended breaker size Decked rotor ampere) Refrigerant line (one v Vertical height diff. between Drain hose Inp., max lift height Ended breaker size Refrigerant piping size Insulation (one v Vertical height diff. between Vertical height diff. between Insulation (one v Vertical height diff. between Ver	ray) length	m m m	Liquid li  Max Hose	rotection, Serial s overload protection Liquid line:  Flare connection ine: 0.55 / Gas Neces  20 ( Outdoor une connectable ( )  -  12 x 4 cores ( Inclu IPX0	ignal error prote on( High pressu 6.35 ( 1/4" ) on line : 0.48 ssary ( Both s Max nit is higher ) VP16 )  2 5 dding earth cable	ection, Indoor fan motor e ure control ), Cooling ove Gas line: $\phi$ 12.7 (1 Flare conr - ides ), independent c.30 / Max.20 ( Outdoor un Hole $\phi$ 20 0 e ) / Terminal block ( Scr	error protection, rload protection //2") nection  iit is lower) 0 x 5 pcs  ew fixing type)
Drain pum Recomme R.A. (Lo nterconne P number Standard a	Refrigerant piping size Connecting method Attached length of pipi Insulation for piping Refrigerant line (one v Vertical height diff. between Drain hose Inp., max lift height Ended breaker size Decked rotor ampere) Decting wires Size Size Size Size Size Size Size Size	ray) length	m m m	Liquid li  Max Hose	rotection, Serial s overload protection Liquid line:  Flare connection ine: 0.55 / Gas Neces  20 ( Outdoor un connectable ( \frac{1}{2}	ignal error prote on( High pressu 6.35 ( 1/4" ) on line : 0.48 ssary ( Both s	ection, Indoor fan motor e ure control ), Cooling ove Gas line: $\phi$ 12.7 (1 Flare conr - ides ), independent 3.30 / Max.20 ( Outdoor un Hole $\phi$ 20 - 0 0 e ) / Terminal block ( Scr. IPX- 1, Photocatalytic washable of	error protection, rload protection //2") nection  iit is lower) 0 x 5 pcs  ew fixing type)
Drain pum Recomme R.A. (Lo nterconne P number Standard a Option pai	Refrigerant piping size Connecting method Attached length of pipi Insulation for piping Refrigerant line (one v Vertical height diff. between Drain hose Inp., max lift height Ended breaker size Excellent wires Size Fraccessories Inc.	ray) length en O.U. and I.U. x Core number	m m m m A A	Liquid li  Max Hose  1.5mm	rotection, Serial s overload protection Liquid line:  Flare connection ine: 0.55 / Gas Neces  20 ( Outdoor un connectable ( \frac{1}{2}	ignal error prote on( High pressu 6.35 ( 1/4" ) on line : 0.48 ssary ( Both s Max nit is higher ) VP16 )  2 5 iding earth cable rgen clear filter x Interface kit ( 1	ection, Indoor fan motor e  are control ), Cooling ove  Gas line: \$\phi 12.7\$ (1  Flare conr  - ides ), independent  3.30  / Max.20 ( Outdoor un  Hole \$\phi 20  - 0 0 e ) / Terminal block ( Scr.  IPX- 1, Photocatalytic washable of  SC-BIKN2-E )	error protection, rload protection //2") nection  iit is lower) 0 x 5 pcs  ew fixing type)
Drain pum Recomme R.A. (Lo nterconne P number Standard a	Refrigerant piping size Connecting method Attached length of pipi Insulation for piping Refrigerant line (one v Vertical height diff. between Drain hose Inp., max lift height Ended breaker size Decting wires Size Traccessories Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc.	ray) length on O.U. and I.U. x Core number	m m m A A A	Liquid li  Max Hose  1.5mm  Mounting	rotection, Serial s overload protection Liquid line:  Flare connection ine: 0.55 / Gas Neces  20 ( Outdoor une connectable ( \frac{1}{2} \text{x 4 cores ( Incluir)} IPX0 kit, Clean filter ( Alle	ignal error prote on( High pressu 6.35 ( 1/4" ) on line : 0.48 ssary ( Both s Max nit is higher ) VP16 )  2 5 iding earth cable rgen clear filter x Interface kit ( 1	ection, Indoor fan motor e ure control ), Cooling ove Gas line: $\phi$ 12.7 (1 Flare conr - ides ), independent 3.30 / Max.20 ( Outdoor un Hole $\phi$ 20 - 0 0 e ) / Terminal block ( Scr. IPX- 1, Photocatalytic washable of	error protection, rload protection //2") nection  iit is lower) 0 x 5 pcs  ew fixing type)
Drain pum Recomme R.A. (Lo nterconne P number Standard a Option pai	Refrigerant piping size Connecting method Attached length of pipi Insulation for piping Refrigerant line (one v Vertical height diff. between Drain hose Inp., max lift height Ended breaker size Excellent wires Size Size Size Size Size Size Size Size	ray) length on O.U. and I.U. x Core number ured at the follow rair temperature.	m m m A A A	Liquid li  Max Hose  1.5mm  Mounting  ditions.	rotection, Serial s overload protection Liquid line:  Flare connection ine: 0.55 / Gas Neces  2.20 ( Outdoor une connectable ( Neces)	ignal error prote on( High pressu 06.35 ( 1/4" ) on line : 0.48 ssary ( Both s Max nit is higher ) VP16 ) 2 5 iding earth cable rgen clear filter x Interface kit ( 1	ection, Indoor fan motor e  are control ), Cooling ove  Gas line: \$\phi 12.7\$ (1  Flare conr  - ides ), independent  3.30  / Max.20 ( Outdoor un  Hole \$\phi 20  - 0 0 e ) / Terminal block ( Scr.  IPX- 1, Photocatalytic washable of  SC-BIKN2-E )	error protection, rload protection //2") nection  iit is lower) 0 x 5 pcs  ew fixing type)
Drain pum Recomme R.A. (Lo nterconne P number Standard a Option pai	Refrigerant piping size Connecting method Attached length of pipi Insulation for piping Refrigerant line (one v Vertical height diff. between Drain hose Inp., max lift height Ended breaker size Executed rotor ampere) Execting wires Size Traccessories Item Indocute Operation DE	ay) length on O.U. and I.U. and I.U. and I.U. and I.U. and I.U. are	m m m A A A	Liquid li  Max Hose  1.5mm  Mounting  ditions. Dutdoor air to DB	rotection, Serial s overload protection Liquid line:  Flare connection ine: 0.55 / Gas Neces  2.20 ( Outdoor une connectable ( Neces)	ignal error prote on( High pressu 6.35 ( 1/4") on line: 0.48 ssary ( Both s	cettion, Indoor fan motor of are control.), Cooling over Gas line: $\phi$ 12.7 (1 Flare control.), Indoor Indoor Gas line: $\phi$ 12.7 (1 Flare control.), Indoor Gas line: $\phi$ 13.7 (1 Flare control.), Indoor Gas line: $\phi$ 14. Photocatalytic washable of SC-BIKN2-E.)  SC-BIKN2-E.)  Sength is 5m. tandards	error protection, rload protection //2" ) nection  iit is lower ) 0 x 5 pcs  ew fixing type )
Drain pum Recomme R.A. (Lo nterconne P number Standard a Option pai	Refrigerant piping size Connecting method Attached length of pipi Insulation for piping Refrigerant line (one w Vertical height diff. between Drain hose Inp., max lift height Ended breaker size Except of the piping Colling Item Indoor Operation DE Cooling DE Connecting method Attached length of piping Refrigerant line (one w Vertical height diff. between Vertical height diff. between Drain hose Item Size Item Indoor Operation DE Cooling	x Core number  ured at the follow rair temperature  WB  19°C	m m m A A A	Liquid li  Max Hose  1.5mm  Mounting  ditions. Dutdoor air to DB 35°C	rotection, Serial s overload protection Liquid line:  Flare connection ine: 0.55 / Gas Neces  20 ( Outdoor une connectable (	ignal error prote on( High pressu 6.35 ( 1/4") on line: 0.48 ssary ( Both s	cettion, Indoor fan motor of are control.), Cooling over Gas line: $\phi$ 12.7 (1 Flare control.), Indoor Indoor Gas line: $\phi$ 12.7 (1 Flare control.), Indoor Gas line: $\phi$ 13.7 (1 Flare control.), Indoor Gas line: $\phi$ 14. Photocatalytic washable of SC-BIKN2-E.)  SC-BIKN2-E.)  Sength is 5m.  tandards	error protection, rload protection //2" ) nection  iit is lower ) 0 x 5 pcs  ew fixing type )
Drain pum Recomme R.A. (Lo nterconne P number Standard a Option pai	Refrigerant piping size Connecting method Attached length of pipi Insulation for piping Refrigerant line (one was presented to be presented to	x Core number  x Core number  x Core number  x Core number  w B  19°C	m m m A A A	Liquid li  Max Hose  1.5mm  Mounting  ditions. Dutdoor air t DB 35°C 7°C	rotection, Serial s overload protection Liquid line:  Flare connection ine: 0.55 / Gas Neces  20 ( Outdoor une connectable (	ignal error prote on( High pressu 6.35 ( 1/4") on line : 0.48 ssary ( Both s Max nit is higher ) VP16 )  2 5 dding earth cable rgen clear filter x Interface kit ( 1 The pipe le	cection, Indoor fan motor of are control.), Cooling over Gas line: $\phi$ 12.7 (1)  Flare control.), Cooling over Gas line: $\phi$ 12.7 (1)  Flare control.  - cooling over Gas line: $\phi$ 12.7 (1)  Max.20 (Outdoor under Gas line: $\phi$ 12.7 (1)  - cooling over Gas line: $\phi$ 13.7 (1)  - cooling over Gas line: $\phi$ 14.7 (1)  - cooling over Gas line: $\phi$	error protection, rload protection //2" ) nection  iit is lower ) 0 x 5 pcs  ew fixing type )
Drain pum Recomme R.A. (Lo nterconne P number Standard a Option pai	Refrigerant piping size Connecting method Attached length of pipi Insulation for piping Refrigerant line (one was possible to the content of	x Core number  x Core number  wred at the follower air temperature  WB  19°C	m m m A A A consists of the co	Liquid li  Max Hose  1.5mm  Mounting  ditions.  butdoor air t  DB  35°C  7°C  2°C	rotection, Serial s overload protection Liquid line:  Flare connection ine: 0.55 / Gas Neces  20 ( Outdoor une connectable ( V	ignal error prote on( High pressu 6.35 ( 1/4") on line : 0.48 ssary ( Both s Max nit is higher ) VP16 )  2 5 iding earth cable rgen clear filter x Interface kit ( 1) The pipe le	cettion, Indoor fan motor of are control.), Cooling over Gas line: $\phi$ 12.7 (1 Flare control.), Indoor Indoor Gas line: $\phi$ 12.7 (1 Flare control.), Indoor Gas line: $\phi$ 13.7 (1 Flare control.), Indoor Gas line: $\phi$ 14. Photocatalytic washable of SC-BIKN2-E.)  SC-BIKN2-E.)  Sength is 5m.  tandards	error protection, rload protection //2") nection  iit is lower) 0 x 5 pcs  ew fixing type)
Drain pum Recomme R.A. (Lo nterconne P number Standard a Option pai	Refrigerant piping size Connecting method Attached length of pipi Insulation for piping Refrigerant line (one was presented to be presented to	x Core number  x Core number  wred at the follower air temperature  WB  19°C  1 -  is manufactured	m m m A A A cing con	Liquid li  Max Hose  1.5mm  Mounting  ditions.  Dutdoor air t  DB  35°C  7°C  2°C  sted in confi	rotection, Serial s overload protection Liquid line:  Flare connection ine: 0.55 / Gas Neces  20 ( Outdoor une connectable (	ignal error prote on( High pressu 06.35 ( 1/4" ) on line : 0.48 ssary ( Both s Max nit is higher ) VP16 )  2 5 dding earth cable rgen clear filter x Interface kit ( 1) The pipe le S ISC ISC SO.	cection, Indoor fan motor of are control.), Cooling over Gas line: $\phi$ 12.7 (1)  Flare control.), Cooling over Gas line: $\phi$ 12.7 (1)  Flare control.  Gas line: $\phi$ 12.7 (1)  Flare control.  Flare control.  Augustian of the control of	error protection, rload protection //2" ) nection  iit is lower ) 0 x 5 pcs  ew fixing type )
oratin pum Recomme R.R.A. (Lo Interconne In number Standard a	Refrigerant piping size Connecting method Attached length of pipi Insulation for piping Refrigerant line (one was possible to the content of	x Core number  x Core number  wred at the follower air temperatures  WB  19°C  1-  is manufactured  es the value in all	m m m A A A cing con	Liquid li  Max Hose  1.5mm  Mounting  ditions.  Dutdoor air t  DB  35°C  7°C  2°C  sted in confi	rotection, Serial s overload protection Liquid line:  Flare connection ine: 0.55 / Gas Neces  20 ( Outdoor une connectable (	ignal error prote on( High pressu 06.35 ( 1/4" ) on line : 0.48 ssary ( Both s Max nit is higher ) VP16 )  2 5 dding earth cable rgen clear filter x Interface kit ( 1) The pipe le S ISC ISC SO.	cection, Indoor fan motor of are control.), Cooling over Gas line: $\phi$ 12.7 (1)  Flare control.), Cooling over Gas line: $\phi$ 12.7 (1)  Flare control.  Gas line: $\phi$ 12.7 (1)  Flare control.  Flare control.  Augustian of the control of	error protection, rload protection //2" ) nection  iit is lower ) 0 x 5 pcs  ew fixing type )

				Model	l		SRK60Z	ZSX-WB		
Item					Indoo	r unit SRK6	0ZSX-WB	Outdoor unit SF	RC60ZSX-W	
Power sou							se, 220 - 240V	, 50Hz / 220V, 60Hz		
	Nominal cooling	g capacity (ra	ange)	kW			6.1 ( 1.0(Min.)	- 6.9 (Max.))		
	Nominal heating	g capacity (r	ange)	kW			6.8 ( 0.8(Min.)	- 8.8 (Max.))		
	Heating capacit	ty (H2)		kW			_	-		
		Co	ooling				1.71 ( 0.1	9 - 2.50 )		
	Power consump	ption He	eating	kW			1.65 ( 0.2	0 - 2.86 )		
		He	eating (H2)	KVV	_					
	Max power con	sumption					2.9	90		
	Cooling				7	.9 / 7.5 / 7.2 (2	220/ 230/ 240V)			
	Running curren	iτ He	eating	Α				220/ 230/ 240V)		
Operation	Inrush current,	max current						Max. 15		
data			ooling	0.4			9			
	Power factor		eating	%			9			
	EER		ooling				3.			
			eating				4.			
	COP		eating (H2)				·	-		
		C	ooling			62		65		
	Sound power le		eating			63		64		
				dB(A)	LI: 40	Me: 41 Lo: 3	2 111 0: 22			
	Sound pressure	- IEVEI	ooling eating	ab(A)	Hi: 48	Me: 42 Lo: 3		52 53		
	Cilont made				□I. 4 <i>1</i>	IVIE. 42 LO. 3	+ ULU. Z3		Jacting: 42	
Eutorie - "	Silent mode sou	<u>.</u>		mm		205 v 200 : 2	100	Cooling:42 / F		
	mensions (Heigl	ni x vviatn x	peptn)	mm	F:	305 x 920 x 2		640 x 800(+		
	opearance					v (8.0Y 9.3/0.1)		Stucco v		
(Equivaler				<u> </u>	Black (4.	0PB 2.44/0.25)	, (RAL:9011)	Munsell : ( 4.2Y 7.5/	1.1), KAL:7044	
Net weight				kg		13		45		
	or type & Quant			1		-		RMT5111SWE3( Twin		
	or motor (Startin	,		kW	-			1.50 (Inverte	/	
	nt oil (Amount, ty			ł		-		0.45 ( DIAMOND F		
Refrigeran	nt (Type, amoun	it, pre-charge	e length)	kg	R3	2 1.30 in outdo	oor unit (Incl. th	ne amount for the pipir	ng of 15m )	
Heat exch	anger				Louver	fins & inner gro		M fins & inner gr		
Refrigeran	nt control					Capillar	y tubes + Elec	tronic expansion valve	)	
Fan type 8	& Quantity					Tangential fan	x 1	Propeller	fan x 1	
Fan motor	(Starting metho	od)		W		42 x1 (Direct d	rive)	34 x1 (Dire	ct drive)	
A ! £1		Co	ooling	3, .	Hi: 16.3	Me: 13.4 Lo: 8	3.9 ULo: 5.4	41.5	•	
Air flow		He	eating	m <sup>3</sup> /min	Hi: 17.8	Me: 13.7 Lo: 1	0.9 ULo: 6.2	39.0		
Available 6	external static pr			Pa		0		0		
Outside ai						Not possible	9			
	Quality / Quantity	,			Polypro	pylene net ( Wa				
	ibration absorbe					er sleeve (for fa		Rubber sleeve (for fan n	notor & compressor)	
Electric he		··			Trabb	-	arr motor)	-	ioto: a compressor,	
LICOLIIO IIC	Remote control				Wireless remote control					
Operation	Room temperat				Microcomputer thermostat					
control	Operation displ					DI INI: /				
	Operation displ	ay				RUN: Green , TIMER: Yellow , ECO: Blue				
Cofoty on	inmonto				Compressor overheat protection, Overcurrent protection, Frost protection, Serial signal error protection, Indoor fan motor error protectio					
Safety equ	aipineins					,		,		
	Dofricare + - '	na oi / O F	2.1	m	neatin			ure control), Cooling ove		
	Refrigerant pipi		J)	mm			φ6.35 ( 1/4" )	Gas line: $\phi$ 12.7 ( 1		
	Connecting me					Flare connect		Flare con	nection	
Installation	Attached length			m	Liquid	ine : 0.55 / Gas		-		
data	Insulation for pi					Nece		ides ), independent		
	Refrigerant line			m			Max			
	Vertical height dif	f. between O.l	U. and I.U.	m				/ Max.20 ( Outdoor un		
	Drain hose				Hos	e connectable (	(VP16)	Hole $\phi$ 20	x 5 pcs	
	ıp, max lift heigh			mm		-		-		
Recomme	nded breaker siz	ze		Α			2	0		
L.R.A. (Lo	cked rotor ampe			Α			5.	.0		
Interconne	ecting wires	Size x Co	re number		1.5mr	n <sup>2</sup> x 4 cores (Inc	luding earth cabl	e ) / Terminal block ( Scr	ew fixing type )	
IP number						IPX0		IPX	4	
Standard a	accessories			Mounting	kit, Clean filter ( All	ergen clear filter x	1, Photocatalytic washable of	deodorizing filter x 1 )		
Option parts							Interface kit (	SC-BIKN2-E)		
Notes (1) The data are measured at the follow				ing con	ditions.			ength is 5m.		
	Item Indoor air temperature				temperature					
			WB		DB	WB	l s	tandards		
	Cooling	27°C	19°C	$\neg$	35°C	24°C	IS	O5151-T1		
	Heating	20°C	-		7°C	6°C		D5151-H1		
	Heating (H2)	20°C	-	$\dashv$	2°C	1°C		D5151-H2		
	(2) This air-conditioner is manufactured			and to				00101112	I	
1								ues are somewhat		
ĺ	` '			ı anech	oic chamb	oper. יים	auon mese val	ues are sumewrial		
	-	to ambient co		the ==	n notice - I	stande =d				
1	(4) Select the b	reaker SIZE 8	ลบบบานแก๊ฐ เื่0	me ow	บ บลแบทสโ	sidiiudiu.				

			Model			SRK202	ZSX-WT			
Item				Indoo		20ZSX-WT	Outdoor unit S	RC20ZSX-W		
Power sou					1 Ph		<sup>7</sup> , 50Hz / 220V, 60Hz			
	Nominal cooling capac		kW				) - 3.4 (Max.))			
	Nominal heating capa	city (range)	kW			2.7 ( 0.8(Min.)	) - 5.5 (Max.))			
	Heating capacity (H2)		kW				_			
		Cooling	1		0.31 ( 0.16 - 0.76 )					
	Power consumption	Heating	kW	0.47 ( 0.14 - 1.36 )						
		Heating (H2)					-			
	Max power consumpti		Ь—		1.92					
	Running current	Cooling	1				220/ 230/ 240V)			
		Heating	Α				220/ 230/ 240V)			
Operation	Inrush current, max cu						Max. 9			
data	Power factor	Cooling	%			7	6			
		Heating	70			8	1			
	EER	Cooling				6.	45			
	СОР	Heating		5.74						
	001	Heating (H2)					_			
	Sound power level	Cooling			53		56			
	Souria power lever	Heating	]		55		58			
	Sound pressure level	Cooling	dB(A)	Hi: 38	Me: 31 Lo: 2	24 ULo: 19	43			
	Louina pressure level	Heating	]	Hi: 38	Me: 33 Lo: 2	25 ULo: 19	45			
	Silent mode sound pre	ssure level	L				Cooling:33 / H	leating:38		
Exterior di	imensions (Height x Wi	dth x Depth)	mm		305 x 920 x 2	220	640 x 800(+	71) x 290		
	ppearance			Titanium ar	ay(1.6Y 6.59/0.0	63), (RAL:7048)	Stucco v			
(Equivalen			1		.0PB 2.44/0.25)		Munsell: ( 4.2Y 7.5/			
Net weight			kg		13	,	43.0	, .		
Compress	sor type & Quantity				-		RMT5111SWE3( Twir	rotary type ) x 1		
	sor motor (Starting meth	od)	kW		-		0.75 ( Inverte			
	nt oil (Amount, type)		ł		-		0.35 ( DIAMOND F	REEZE MB75 )		
	nt (Type, amount, pre-c	harge length)	kg	R3	2 1.20 in outd	oor unit (Incl. th	ne amount for the pipir			
Heat exch		narge rerigini,	· · · · ·			ooved tubing				
Refrigeran							tronic expansion valve			
Fan type 8			_		Tangential far		Propeller 1			
, ,	r (Starting method)		W		42 x1 (Direct o		34 x1 (Dire			
i ali illotoi	(Starting method)	Cooling			,	6.0 ULo: 5.0	31.0	<u> </u>		
Air flow		Heating	m³/min			7.2 ULo: 5.4	31.0			
Available	external static pressure		Pa	ПI. IZ.Z	0	7.2 ULU. 5.4	0	)		
Outside ai			ı a		Not possib	lo	-			
			$\vdash$	Dolumro	pylene net (W					
	Quality / Quantity vibration absorber		├──		,		Dubbaralasus (far far a			
				Rubb	er sleeve (for	ran motor)	Rubber sleeve (for fan n	notor & compressor)		
Electric he						\\ <i>\(\)</i>				
Operation	Remote control		-		Wireless-remote control Microcomputer thermostat					
control	Room temperature con	itroi			DUN					
	Operation display		<b>├</b>				R: Yellow , ECO: Blue			
0.4.				_	Compressor overheat protection, Overcurrent protection,					
Safety equ	uipments						ection, Indoor fan motor e			
	1=	<u> </u>	Ь—	Heating			ure control ), Cooling ove			
	Refrigerant piping size	( O.D )	mm		<u> </u>	φ6.35 ( 1/4" )	Gas line: φ9.52 ( 3			
	Connecting method		<del> </del>		Flare connec		Flare conr	nection		
Installation	Attached length of pipi	ng	m	Liquid	ine : 0.55 / Ga					
data	Insulation for piping	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Ь—		Nec	• `	ides ), independent			
	Refrigerant line (one	77 0	m				x.25			
	Vertical height diff. betwe	en O.U. and I.U.	m				/ Max.15 ( Outdoor un			
	Drain hose		Ļ—	Hos	e connectable	( VP16 )	Hole	x 5 pcs		
	np, max lift height		mm		-		-			
Recomme	ended breaker size		Α				6			
	ocked rotor ampere)		Α		_		.5			
		x Core number		1.5mr		cluding earth cabl	e) / Terminal block (Scre			
IP number					IPX0		IPX4			
	accessories			Mounting	kit, Clean filter ( A	llergen clear filter x	1, Photocatalytic washable of	leodorizing filter x 1 )		
Option par						Interface kit (	SC-BIKN2-E)			
Notes	(1) The data are meas	ured at the follow	ing con	ditions.		The pipe le	ength is 5m.			
	Item Indoor air temperature Operation DB WB		; (	Outdoor air	temperature					
			$\neg$	DB	WB	]	tandards			
		C 19°C	$\neg$	35°C	24°C	IS	O5151-T1			
	Cooling 27°		-			IS	O5151-H1	1		
		O -	- 1	7°C	6°C	10	00.0			
	Cooling 27°0 Heating 20°0 Heating (H2) 20°0		+	2°C	6°C 1°C		O5151-H2			
	Heating 20°0 Heating (H2) 20°0	C -	and tes	2°C	1°C	IS				
	Heating 20°0 Heating (H2) 20°0 (2) This air-conditioned	c - r is manufactured		2°C sted in conf	1°C ormity with the	ISO.	O5151-H2			
	Heating 20°0 Heating (H2) 20°0	r is manufactured es the value in a		2°C sted in conf	1°C ormity with the	ISO.	O5151-H2			

				Model			SRK25	ZSX-WT		
Item					Indoo	r unit SRK2	5ZSX-WT	Outdoor unit SF	RC25ZSX-W	
Power sou						1 Pha		, 50Hz / 220V, 60Hz		
	Nominal cooling			kW			2.5 ( 0.9(Min.			
	Nominal heatin		ange)	kW			3.2 ( 0.8(Min.)	- 6.0 (Max.))		
	Heating capaci		a a lin a	kW			0.44./0.4	0.001)		
	Power consum		ooling eating				0.44 ( 0.1 0.59 ( 0.1			
	rower consum		eating (H2)	kW			0.59 ( 0.1	4 - 1.54 <i>)</i> -		
	Max power con		saling (112)				1	92		
		Co	ooling			2		220/ 230/ 240V)		
	Running currer		eating	Α				220/ 230/ 240V)		
Operation	Inrush current,						,	Max. 9		
data	Power factor		ooling	%	80					
			eating	70				5		
	EER		ooling					68		
	COP		eating		5.42					
			eating (H2)				_	-		
	Sound power le		ooling			55 56		57		
		C	eating	dB(A)	⊔i. 20	Me: 33 Lo: 2	5 III o: 10	58 44		
	Sound pressure		ooling eating	ab(A)		Me: 34 Lo: 2		44		
	Silent mode so				111.40	- LU. Z	JLU. 13	Cooling:35 / H	leating:39	
Exterior di	mensions (Heig			mm		305 x 920 x 2	20	640 x 800(+		
Exterior an		THOUT A	- ~~'''/		Titanium or	ay(1.6Y 6.59/0.6		Stucco v		
(Equivalen						.0PB 2.44/0.25),	, ,	Munsell: (4.2Y 7.5/		
Net weight				kg	2.2.2.(1)	13		43.0	<u> </u>	
Compress	or type & Quant					-		RMT5111SWE3( Twir	rotary type ) x 1	
Compress	or motor (Startir	ng method)		kW		-		0.75 (Inverte	er driven )	
Refrigeran	it oil (Amount, ty	/pe)		ł		-		0.35 ( DIAMOND F		
	it (Type, amour	nt, pre-charge	e length)	kg				e amount for the pipir		
Heat excha					Louver f	ins & inner gro		M fins & inner gr		
Refrigeran								tronic expansion valve		
Fan type 8				14/		Tangential fan		Propeller		
Fan motor	(Starting metho			W		12 x1 (Direct d		34 x1 (Dire		
Air flow			ooling	m <sup>3</sup> /min		Me: 10.0 Lo:		31.0		
Available	external static p		eating	Pa	HI: 12.8	Me: 11.0 Lo: 0	7.8 UL0: 5.4	31.0	)	
Outside ai		ressure		га		Not possible		-		
	Quality / Quantity	,			Polypror	ylene net ( Wa				
	ibration absorbe					er sleeve (for fa		Rubber sleeve (for fan n	notor & compressor)	
Electric he		21			TABB	-	an motor)	-	iotor a compressor)	
	Remote control	I				Wireless-remote control				
Operation	Room tempera				Microcomputer thermostat					
control	Operation displ	lay				RUN: Green , TIMER: Yellow , ECO: Blue				
								tion, Overcurrent protect	ion,	
Safety equ	uipments							ection, Indoor fan motor e	•	
					Heating			ure control), Cooling ove		
	Refrigerant pip		)	mm			φ6.35 ( 1/4" )	Gas line: φ9.52 ( 3		
	Connecting me				1	Flare connect		Flare conr	nection	
Installation	Attached length			m	Liquid li	ne: 0.55 / Gas		idaa \ indanandart		
data	Insulation for pi		enath	m		Nece		ides), independent <.25		
	Vertical height dif	\ ,		m	Mav	15 ( Outdoor )		ເ.∠ວ / Max.15 ( Outdoor un	it is lower )	
	Drain hose	501110011 0.0	J. G. G. 1.0.			connectable (		Hole $\phi$ 20		
Drain pum	p, max lift heigh	nt		mm	. 1000	-	,	515 \$20		
	nded breaker si			Α			1	6		
	cked rotor ampe			A				.0		
	ecting wires		re number		1.5mm	n <sup>2</sup> x 4 cores ( Incl	uding earth cabl	e ) / Terminal block ( Scr	ew fixing type )	
IP number						IPX0		IPX	1	
	accessories				Mounting	kit, Clean filter ( All	ergen clear filter x	1, Photocatalytic washable of	deodorizing filter x 1 )	
Option parts							Interface kit (			
Notes (1) The data are measured at the follow						The pipe le	ength is 5m.	İ		
	Item		temperature			temperature	S	tandards		
	Operation	DB	WB	_	DB	WB				
	Cooling	27°C	19°C		35°C	24°C		O5151-T1		
	Heating	20°C	+ -	+	7°C	6°C		O5151-H1		
	Heating (H2)	20°C	onufact	004+-	2°C	1°C		O5151-H2		
<ul><li>(2) This air-conditioner is manufactured</li><li>(3) Sound level indicates the value in ar</li></ul>						•		upe are compulat		
		to ambient co		anech	oic criambe	During open	anon mese val	ues are sumewhat		
	(4) Select the b			the ow	n national s	tandard				
	( ., Coloct the b	0120 0								

			Model	I		SRK35	ZSX-WT		
Item			Wiodei	Indoo	r unit SRK3	5ZSX-WT	Outdoor unit SI	RC35ZSX-W	
Power sou	ırce						, 50Hz / 220V, 60Hz		
	Nominal cooling car	pacity (range)	kW				) - 4.5 (Max.))		
	Nominal heating ca		kW			4.3 ( 0.8(Min.)	) - 6.8 (Max.))		
	Heating capacity (H		kW				- '/		
		Cooling		0.74 ( 0.16 - 1.27 )					
	Power consumption	Heating	14/4/			0.90 ( 0.1	4 - 1.87 )		
	'	Heating (H2)	kW			, -	-		
	Max power consum		1			1.	92		
	·	Cooling			3	7/3.5/3.4 (2	220/ 230/ 240 V)		
	Running current	Heating	Α	4.4 / 4.3 / 4.1 (220/ 230/ 240 V)					
Operation	Inrush current, max		1			· · · · · · · · · · · · · · · · · · ·	Max. 9		
data		Cooling				9			
data	Power factor	Heating	%				2		
	EER	Cooling					73		
		Heating	1				78		
	COP	Heating (H2)	1			-			
		Cooling			58		61		
	Sound power level	Heating	ł		58		62		
		Cooling	dB(A)	⊔i: 42	Me: 35 Lo: 2	6 III o: 10			
	Sound pressure lev	el Cooling Heating			Me: 35 Lo: 2		48 47		
	Silent mode sound		1	⊓ı. 4Z	ivie: 35 Lo: 2	J ULU. 18		Jesting: 42	
Exterior di			mm	-	305 x 920 x 2	20	Cooling:38 / I		
	mensions (Height x	main x Depth)	mm	Tito:-!			640 x 800(+		
Exterior ap	•				ay(1.6Y 6.59/0.6		Stucco		
(Equivalen			l.c	Black (4	OPB 2.44/0.25),	(KAL:9011)	Munsell: (4.2Y 7.5		
Net weight			kg		13		43.0		
	or type & Quantity	d D	1-10/				RMT5111SWE3( Twi		
	sor motor (Starting m	ethod)	kW		-		0.90 ( Invert		
	nt oil (Amount, type)		ł	Do	-	2. 7. 1. 41	0.35 ( DIAMOND F		
	nt (Type, amount, pro	e-charge length)	kg				ne amount for the pipi		
Heat exch				Louver	ins & inner gro		M fins & inner g		
Refrigeran							tronic expansion valve		
Fan type 8					Tangential fan		Propeller		
Fan motor	(Starting method)		W		12 x1 (Direct di		34 x1 (Dire	ct drive)	
Air flow		Cooling	m <sup>3</sup> /min		Me: 10.8 Lo:		36.0		
		Heating		Hi: 13.9	Me: 11.8 Lo:	8.6 ULo: 5.4	31.0	)	
Available 6	external static pressu	ire	Pa		0		0		
Outside ai					Not possible		-		
Air filter, Q	Quality / Quantity				ylene net (Wa		-		
Shock & v	ibration absorber			Rubb	er sleeve (for fa	an motor)	Rubber sleeve (for fan r	notor & compressor)	
Electric he	eater				-		-		
Operation	Remote control					Wireless-rei	mote control		
control	Room temperature	control			Microcomputer thermostat				
COTILIO	Operation display				RUN: (	Green , TIMER	R: Yellow , ECO: Blue		
					Compressor	overheat protect	tion, Overcurrent protect	ion,	
Safety equ	uipments			Frost p	rotection, Serial	signal error prote	ection, Indoor fan motor o	error protection,	
				Heating	overload protec	tion( High pressi	ure control), Cooling ove	rload protection	
	Refrigerant piping s	ize ( O.D )	mm		Liquid line:	φ6.35 ( 1/4" )	Gas line: φ9.52 (3	3/8" )	
	Connecting method				Flare connect	ion	Flare con	nection	
Inotellast	Attached length of p	piping	m	Liquid I	ne : 0.55 / Gas	line : 0.48	-		
Installation data	Insulation for piping				Nece	essary ( Both s	ides ), independent		
uala	Refrigerant line (on	e way) length	m				k.25		
	Vertical height diff. bet		m	Max	.15 ( Outdoor i	unit is higher)	/ Max.15 ( Outdoor ur	nit is lower)	
	Drain hose			i	connectable (		Hole $\phi$ 20		
Drain pum	p, max lift height		mm		-	,	-	•	
	nded breaker size		Α			1	6		
	cked rotor ampere)		Α				.3		
,		ize x Core number	1	1.5mm	12 x 4 cores ( Incl		e ) / Terminal block ( Scr	ew fixing type )	
IP number				1	IPX0	<u> </u>	IPX		
	accessories			Mounting		ergen clear filter x	Photocatalytic washable		
Option par						Interface kit (		- '	
Notes	(1) The data are me	asured at the follow	ina con	ditions			ength is 5m.		
Item Indoor air temperature					emperature			1	
	Operation DB WB Cooling 27°C 19°C		<del></del>	DB	WB	S	Standards		
			_	35°C	24°C	IS.	O5151-T1	1	
			_	7°C	6°C		O5151-H1	1	
	Heating 20°C - Heating (H2) 20°C -		_	2°C	1°C		O5151-H2	1	
1	(2) This air-condition		and to				00101112	ı	
	(3) Sound level indi				•		ues are comowhat		
	` '		anech	ioio oriallibe	During open	anon mese val	ues are sumewildt		
	•	nbient conditions.	th =	n nation - I	tondord				
	(4) Select the break	er size according to	trie ow	บ บลแบกสเ ร	ıanudiü.				

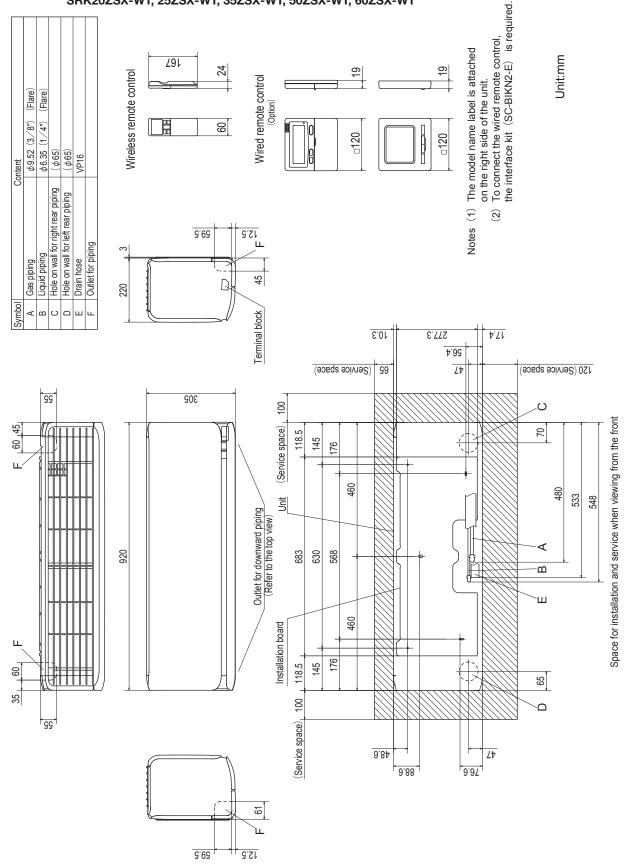
				Mode	1		SRK502	ZSX-WT		
Item					Indo		50ZSX-WT	Outdoor unit S	RC50ZSX-W	
Power sou			, .	,,,,,		1 Ph	,	/, 50Hz / 220V, 60Hz		
	Nominal coolin			kW				) - 6.2 (Max.))		
	Nominal heating	0 1 7	(range)	kW kW	<u> </u>		6.0 ( 0.8(Min.	) - 8.2 (Max.))		
	Heating capac	, ,	Cooling	KVV			1 24 / 0 1	0 100)		
	Power consum		Heating	ł		1.24 ( 0.19 - 1.90 )				
	l ower consum	iption	Heating (H2)	kW		1.36 ( 0.20 - 2.46 )				
	Max power cor	nsumption	ricating (112)	i			2.	90		
			Cooling				5.7 / 5.4 / 5.2 (2			
	Running currer	nt	Heating	Α			6.2 / 6.0 / 5.7 (2			
Operation	Inrush current,	max curre	nt				5.0	Max.15		
data	Power factor		Cooling	%		99				
			Heating	70				9		
	EER		Cooling					03		
	COP		Heating				4.	41		
			Heating (H2)		<u> </u>	50		- 62		
	Sound power I	evel	Cooling	1		59 62		63		
			Heating Cooling	dB(A)	Hi: 44		21 111 0: 22	<u>61</u> 51		
	Sound pressur	e level	Heating	GD(/ t)	Hi: 47	Me: 41 Lo: 3		49		
	Silent mode so	ound pressi		1	111.47	- LU. v	JU ULU. 20	Cooling:42 / H	Heating:43	
Exterior di	mensions (Heig			mm	†	305 x 920 x	220	640 x 800(+		
Exterior a	ppearance		. ,		Titanium a		63), (RAL:7048)	Stucco v		
(Equivaler						.0PB 2.44/0.25)		Munsell : ( 4.2Y 7.5/	1.1), RAL: 7044	
Net weigh	t			kg		13		45		
	or type & Quan					-		RMT5111SWE3( Twin		
	or motor (Starti		)	kW		-		1.50 (Inverte		
	nt oil (Amount, ty			· l				0.45 ( DIAMOND F		
	nt (Type, amour	nt, pre-cha	rge length)	kg				ne amount for the pipir	,	
Heat exch				_	Louver	fins & inner gr		M fins & inner gr		
Refrigerar Fan type 8						Tangential far		tronic expansion valve Propeller		
	(Starting methor	nd)		W		42 x1 (Direct of		34 x1 (Dire		
	(Starting metric		Cooling		Hi: 14 3	,	: 7.8 ULo: 5.4	34 X1 (Dile		
Air flow			Heating	m <sup>3</sup> /mir			9.8 ULo: 6.2	33.		
Available	external static p			Pa		0		0	-	
Outside ai	ir intake					Not possib	le	-		
Air filter, C	Quality / Quantity	У			Polypro	pylene net (W	ashable ) x 2	-		
Shock & v	ibration absorbe	er			Rubb	er sleeve (for	fan motor)	Rubber sleeve (for fan n	notor & compressor)	
Electric he						-		-		
Operation	Remote contro					Wireless remote control				
control	Room tempera		ol			DUN		er thermostat		
	Operation disp	iay				RUN: Green , TIMER: Yellow , ECO: Blue				
Safety equ	inmonto				Erect	Compressor overheat protection, Overcurrent protection, Frost protection, Serial signal error protection, Indoor fan motor error protectior				
Salety eqt	иритента							ure control), Cooling ove		
	Refrigerant pip	ing size ( (	O.D )	mm	i icaliii		$\phi$ 6.35 ( 1/4" )	Gas line: $\phi$ 12.7 ( 1		
	Connecting me		/		†	Flare connec		Flare conr		
land U.S.	Attached lengt			m	Liquid	line : 0.55 / Ga		-		
Installation data	Insulation for p							ides ), independent		
uaid	Refrigerant lin	<u> </u>	/) length	m				x.30		
	Vertical height di	ff. between	O.U. and I.U.	m				/ Max.20 ( Outdoor un		
	Drain hose				Hos	e connectable	( VP16 )	Hole ∮20	x 5 pcs	
	np, max lift heigh			mm		-		-		
	ended breaker s			A	1			0		
,	cked rotor ampo	<del></del>	Coro	Α	1 -	2 4 / 1		.0	and finding to the control of	
	ecting wires	Size X	Core number	_	1.5mi		ciuding earth cabl	e ) / Terminal block ( Scr IPX		
IP number	accessories				Mounting	IPX0	llergen clear filter v	1, Photocatalytic washable of		
Option pa				$\vdash$	Modridity	m, Olean IIIIei (P	Interface kit (	•	10000HZIIIG IIIGI X I )	
Notes		re measure	ed at the follow	ina co	nditions		,	ength is 5m.		
	Notes (1) The data are measured at the follow Item Indoor air temperature					temperature	T ii			
	Operation	DB	WB	$\dashv$	DB	WB	1 <sup>s</sup>	tandards		
	Cooling	27°C	19°C	$\dashv$	35°C	24°C	IS	O5151-T1		
	Heating	20°C	-	$\neg$	7°C	6°C		O5151-H1		
	Heating (H2) 20°C -			$\neg$	2°C	1°C		O5151-H2		
	(2) This air-cor	nditioner is	manufactured	and te	sted in con	formity with the	e ISO.		•	
	` '			n anec	hoic chamb	er. During ope	ration these val	ues are somewhat		
	-		conditions.							
(4) Select the breaker size according to the own national standard.										

				Model			SRK602	ZSX-WT	
Item					Indoo	r unit SRK6	0ZSX-WT	Outdoor unit SF	C60ZSX-W
Power sou						1 Pha		, 50Hz / 220V, 60Hz	
	Nominal cooling			kW			6.1 ( 1.0(Min.)		
	Nominal heating		ange)	kW			6.8 ( 0.8(Min.)	) - 8.8 (Max.))	
	Heating capacit			kW				_	
		_	oling				1.71 ( 0.1		
	Power consump		ating	kW			1.65 ( 0.2	20 - 2.86 )	
			ating (H2)					_	
	Max power con							90	
	Running curren		oling					220/ 230/ 240V)	
		He	ating	Α		7		220/ 230/ 240V)	
Operation	Inrush current,							Max. 15	
data	Power factor	Co	oling	%			9	9	
		He	ating	,,			9	9	
	EER	Co	oling				3.	57	
	COP		ating				4.	12	
	001	He	ating (H2)					_	
	Sound power le	Vol. Co	oling			62		65	
	Souria power le	He	ating			63		64	
	Sound pressure	Co	oling	dB(A)	Hi: 48	Me: 41 Lo: 3	3 ULo: 22	52	
			ating		Hi: 47	Me: 42 Lo: 3	4 ULo: 23	53	
	Silent mode sou	und pressure	level	L		-		Cooling:42 / F	leating:43
	mensions (Heigh	nt x Width x D	Depth)	mm		305 x 920 x 2	20	640 x 800(+7	
	ppearance				Titanium gra	ay(1.6Y 6.59/0.6	3), (RAL:7048)	Stucco v	vhite
(Equivaler				L		OPB 2.44/0.25),		Munsell : ( 4.2Y 7.5/	1.1), RAL:7044
Net weight				kg	,	13	,	45	
Compress	or type & Quanti	ty				-		RMT5111SWE3( Twir	rotary type ) x 1
	or motor (Startin			kW		-		1.50 (Inverte	
	nt oil (Amount, ty			ł		-		0.45 ( DIAMOND F	REEZE MB75 )
	nt (Type, amoun		lenath)	kg	R32	2 1.30 in outdo	oor unit (Incl. th	ne amount for the pipir	
Heat exch		71 3-	- 5 /			ins & inner gro		M fins & inner gr	
Refrigeran								tronic expansion valve	
Fan type 8						Tangential fan		Propeller t	
, ,	(Starting metho	d)		W		12 x1 (Direct d		34 x1 (Dire	
	(Otal in g mound	7	oling			Me: 13.4 Lo: 8		41.5	ot u 0)
Air flow		_	ating	m <sup>3</sup> /min		/le: 13.7 Lo: 1		39.0	
Available 6	external static pr		aurig	Pa	1111 1710 11	0	0.0 020. 0.2	0	
Outside ai		Coodic		·α		Not possible	2	-	
	Quality / Quantity				Polypror	ylene net ( Wa			
	ribration absorbe	r				er sleeve (for fa		Rubber sleeve (for fan m	notor & compressor
Electric he					TAUDDA	-	an motor)	- Trabber siceve (for fair fi	lotor & compressor,
LICOTIO IIC	Remote control						Wireless rer	moto control	
Operation	Room temperat	uro control			Wireless remote control  Microcomputer thermostat				
control	Operation displa								
	Operation displi	ау			RUN: Green , TIMER: Yellow , ECO: Blue Compressor overheat protection, Overcurrent protection,				
Sofoty og	inmente				Erect o			ection, Indoor fan motor e	
Safety equ	nhineili9							ure control ), Cooling ove	
	Dofricarent nini	00 cizo / O D	1.1	mm	rieaung		$\phi$ 6.35 ( 1/4" )		
	Refrigerant pipi		' )	111111			, ,	Gas line: \$\phi 12.7 (1	
	Connecting met			m	Liamia II	Flare connect		Flare conr	IECLIOII
Installation	Attached length			m	Liquid II	ne: 0.55 / Gas		idos ) indonordort	
data	Insulation for pi		nath	m		Nece		ides), independent	
	Refrigerant line	. ,		m	N 4 -	20 / 0:4-1		x.30	it in lower \
	Vertical height diff	. between U.U	. and I.U.	m				/ Max.20 ( Outdoor un	·
Desire	Drain hose			mm	HOSE	connectable (	VP10)	Hole $\phi$ 20	x o pcs
	np, max lift heigh			mm		-		-	
	ended breaker siz			A				0	
,	cked rotor ampe	<del>-                                    </del>		Α		2		.0	,
	ecting wires	Size X Col	re number		1.5mm		uding earth cabl	e ) / Terminal block ( Scre	
IP number				NA	IPX0		IPX4		
	accessories				Mounting	κιι, ∪iean tilter ( All	_	1, Photocatalytic washable o	evaorizing tilter x 1)
	Option parts				-1141 -		Interface kit (		
Option par	<del> </del>					ı ne pipe le	ength is 5m.		
	<u> </u>	Item Indoor air temperature		• (		temperature	S	tandards	
Option par	Item		Operation DB WB		DB	WB			
Option par	Item Operation	DB				114071	ı ISO	O5151-T1	
Option par	Operation Cooling	DB 27°C	19°C		35°C	24°C			
Option par	Operation Cooling Heating	DB 27°C 20°C			7°C	6°C	ISO	O5151-H1	
Option par	Operation Cooling Heating Heating (H2)	DB 27°C 20°C 20°C	19°C - -		7°C 2°C	6°C 1°C	IS0		
Option par	Operation Cooling Heating Heating (H2) (2) This air-cone	DB 27°C 20°C 20°C ditioner is ma	19°C - - anufactured		7°C 2°C sted in confe	6°C 1°C ormity with the	ISO.	O5151-H1 O5151-H2	
Option par	Operation Cooling Heating Heating (H2) (2) This air-cond (3) Sound level	DB 27°C 20°C 20°C ditioner is maindicates the	19°C anufactured value in ar		7°C 2°C sted in confe	6°C 1°C ormity with the	ISO.	O5151-H1	
Option par	Operation Cooling Heating Heating (H2) (2) This air-cond (3) Sound level	DB 27°C 20°C 20°C ditioner is maindicates the o ambient co	19°C	n anech	7°C 2°C sted in confo oic chambe	6°C 1°C ormity with the	ISO.	O5151-H1 O5151-H2	

## 2. EXTERIOR DIMENSIONS

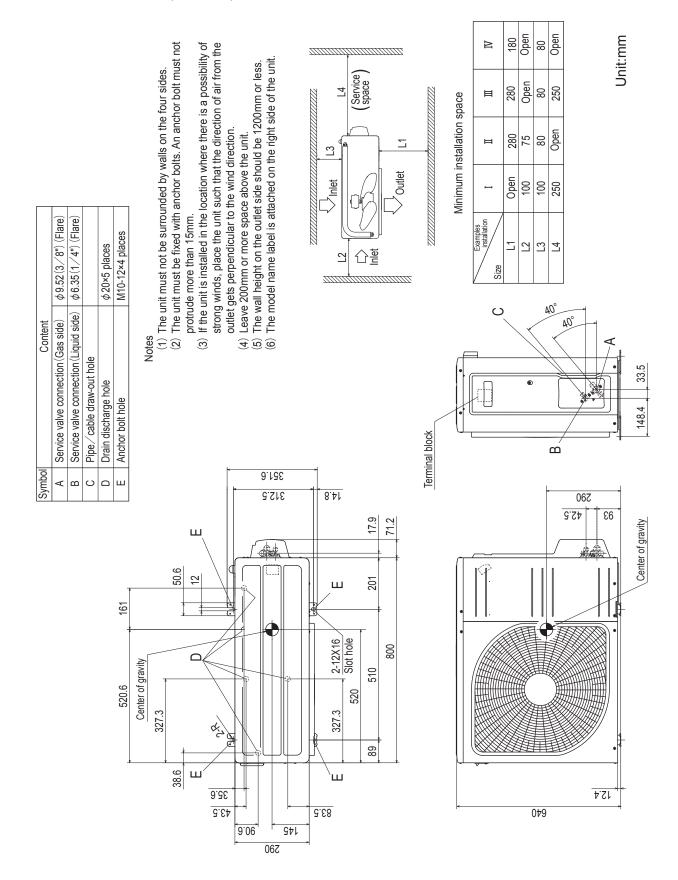
#### (1) Indoor units

Models SRK20ZSX-W, 25ZSX-W, 35ZSX-W, 50ZSX-W, 60ZSX-W SRK20ZSX-WB, 25ZSX-WB, 35ZSX-WB, 50ZSX-WB, 60ZSX-WB SRK20ZSX-WT, 25ZSX-WT, 35ZSX-WT, 50ZSX-WT, 60ZSX-WT



#### (2) Outdoor units

#### Models SRC20ZSX-W, 25ZSX-W, 35ZSX-W



Unit:mm

#### Models SRC50ZSX-W, 60ZSX-W

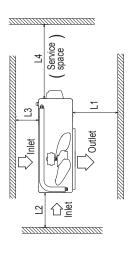
Content
Service valve connection (gas side)  $\phi$  12.7 (1/2") (Flare)
Service valve connection (fiquid side)  $\phi$  6.35 (1/4") (Flare)
Pipe/cable draw-out hole  $\phi$  20×5 places
Anchor bolt hole M10-12×4 places

ے ای

(1) The unit must not be surrounded by walls on the four sides.
(2) The unit must be fixed with anchor bolts. An anchor bolt must not protrude more than 15mm.

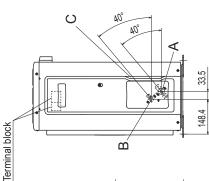
(3) If the unit is installed in the location where there is a possibility of strong winds, place the unit such that the direction of air from the outlet gets perpendicular to the wind direction.

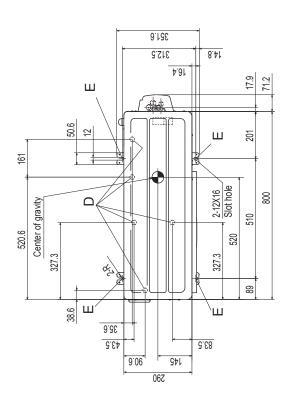
(4) Leave 200mm or more space above the unit.
(5) The wall height on the outlet side should be 1200mm or less.
(6) The model name label is attached on the front side of the unit.

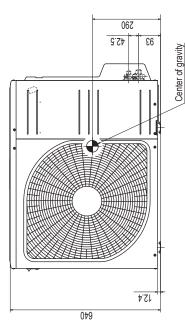


Ν	180	Open	80	Open
Ħ	280	Open	80	250
п	280	75	80	Open
I	Open	100	100	250
Examples installation Size	7	L2	F3	L4

Minimum installation space



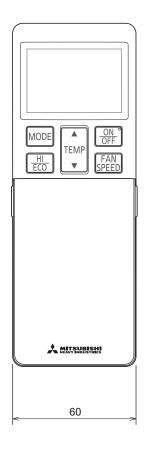


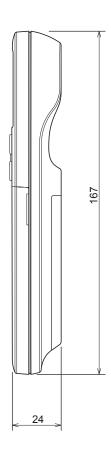


#### (3) Remote control

#### (a) Wireless remote control

Unit: mm

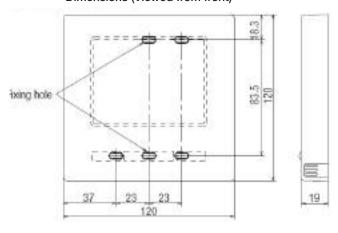




#### (b) Wired remote control (option parts)

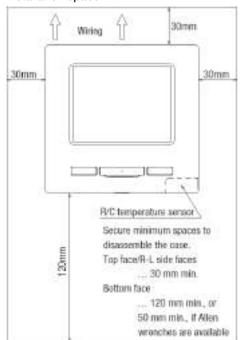
Interface kit (SC-BIKN2-E) is required to use the wired remote control.

# Model RC-EX3 Dimensions (Viewed from front)



Exterior appearance	Pearl white
(Munsell color)	(N8.5) near equivalent

### Installation space



#### Cautions for selecting installation place

- Installation surface must be flat and sufficiently strong.
   R/C case must not be deformed.
- (2) Where the R/C can detect room temperatures accurately. This is a must when detecting room temperatures with the temperature sensor of R/C.
  - Install the R/C where it can detect the average temperature in the room.
  - · Install the R/C sufficiently separated from a heat source.
  - Install the R/C where it will not be influenced by the turbulence of air when the door is opened or closed.

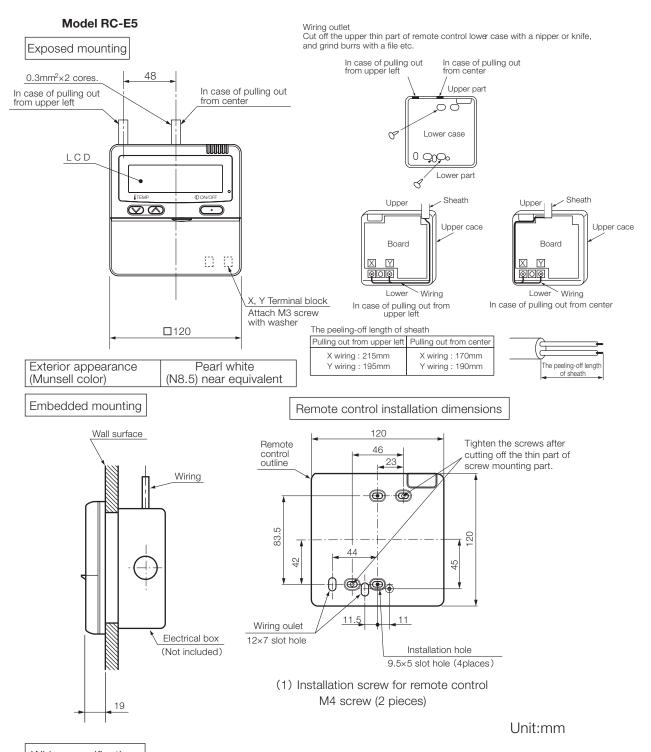
Select a place where the R/C is not exposed to direct sunlight or blown by winds from the air-conditioner or temperatures on the wall surface will not deviate largely from indoor air temperatures.

#### R/C cable: 0.3mm<sup>2</sup> × 2 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<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> × 2 cores
< 300 m	0.75 mm <sup>2</sup> × 2 cores
< 400 m	1.25 mm <sup>2</sup> × 2 cores
< 600 m	2.0 mm <sup>2</sup> × 2 cores

Adapted to **RoHS** directive



#### 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.

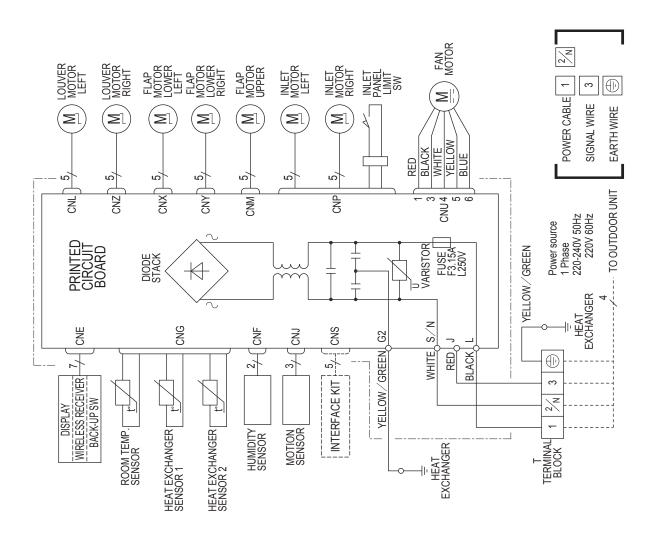
Length	Wiring thickness
100 to 200m	0.5mm <sup>2</sup> ×2 cores
Under 300m	0.75mm <sup>2</sup> ×2 cores
Under 400m	1.25mm <sup>2</sup> ×2 cores
Under 600m	2.0mm <sup>2</sup> ×2 cores

# 3. ELECTRICAL WIRING

#### (1) Indoor units

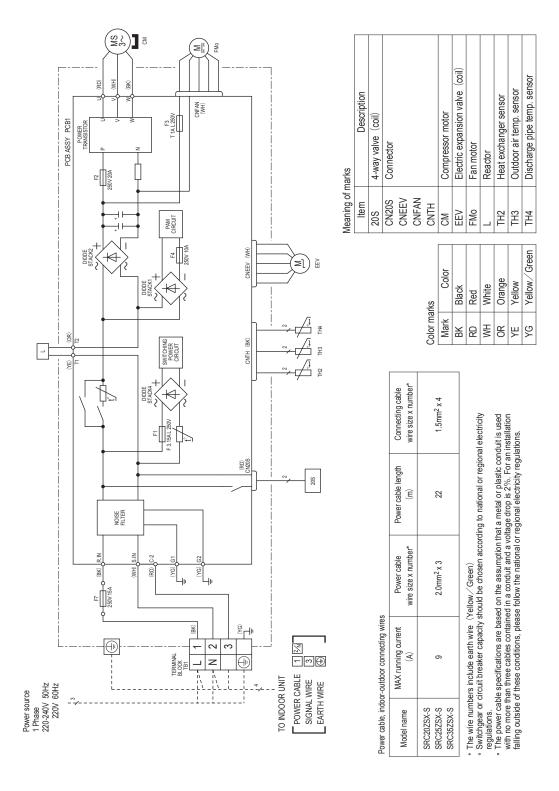
Models SRK20ZSX-W, 25ZSX-W, 35ZSX-W, 50ZSX-W, 60ZSX-W SRK20ZSX-WB, 25ZSX-WB, 35ZSX-WB, 50ZSX-WB, 60ZSX-WB SRK20ZSX-WT, 25ZSX-WT, 35ZSX-WT, 50ZSX-WT, 60ZSX-WT

Description	Connector											
Item	CNE	CNF	CNG	CNO	CN	CNM	CNP	CNS	CNC	CNX	CN≺	CNZ

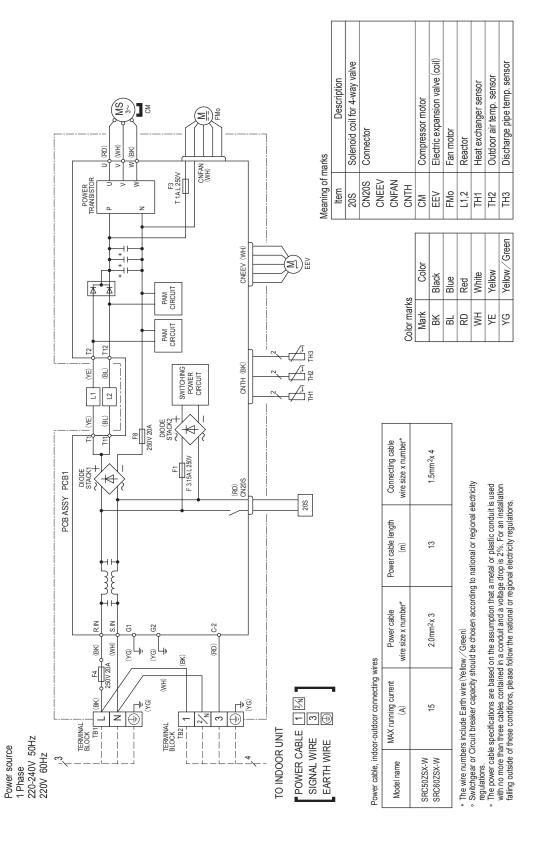


#### (2) Outdoor units

#### Models SRC20ZSX-W, 25ZSX-W, 35ZSX-W



#### Models SRC50ZSX-W, 60ZSX-W



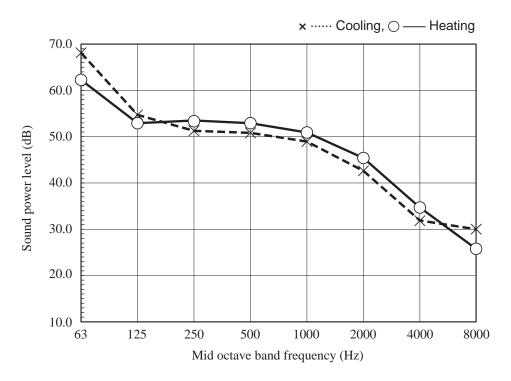
# 4. NOISE LEVEL

# (1) Sound power level Model SRK20ZSX-W, -WB, -WT

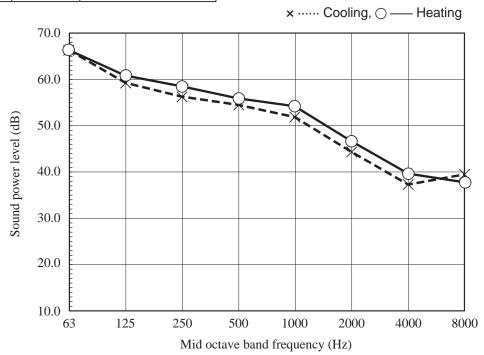
(Indoor Unit)

(1110001 0	(massi sint)										
Model	SRK20	ZSX-W, -WB, -WT									
Noise	Cooling	53 dB(A)									
Level	Heating	55 dB(A)									

Condition	ISO5151 T1/H1
MODE	Rated capacity value (Hi)



Model	SRC20ZSX-W	
Noise	Cooling	56 dB(A)
Level	Heating	58 dB(A)

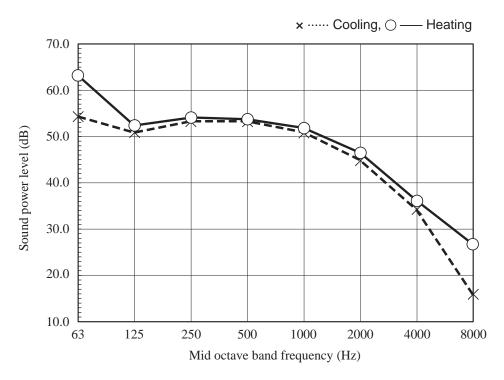


#### Model SRK25ZSX-W, -WB, -WT

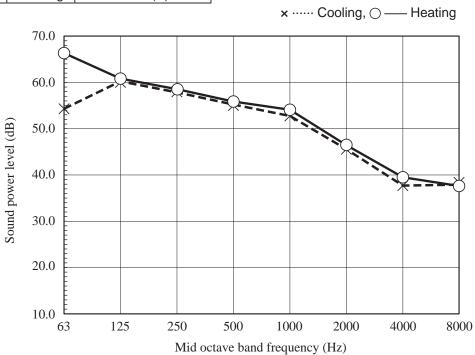
(Indoor Unit)

(		
Model	SRK25ZSX-W, -WB, -WT	
Noise	Cooling	55 dB(A)
Level	Heating	56 dB(A)

Condition	ISO5151 T1/H1
MODE	Rated capacity value (Hi)



Model	SRC25ZSX-W	
Noise	Cooling	57 dB(A)
Level	Heating	58 dB(A)

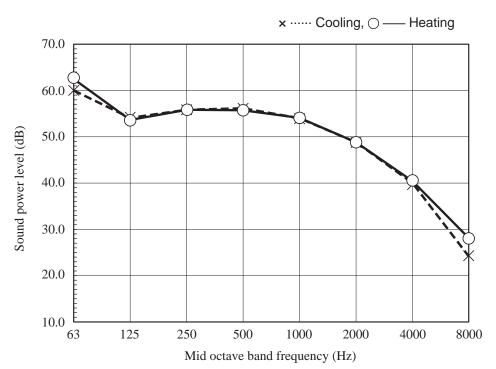


#### Model SRK35ZSX-W, -WB, -WT

(Indoor Unit)

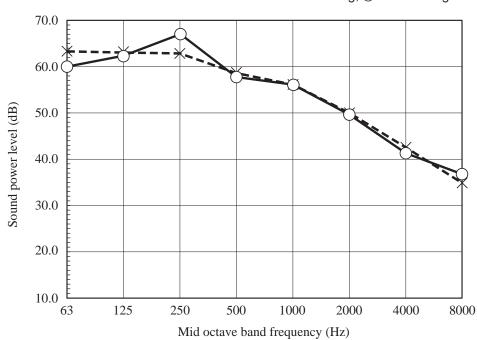
Model	SRK35ZSX-W, -WB, -WT		
Noise	Cooling	58 dB(A)	
Level	Heating	58 dB(A)	

Condition	ISO5151 T1/H1	
MODE	Rated capacity value (Hi)	



(		
Model	SRC35ZSX-W	
Noise	Cooling	61 dB(A)
Level	Heating	62 dB(A)



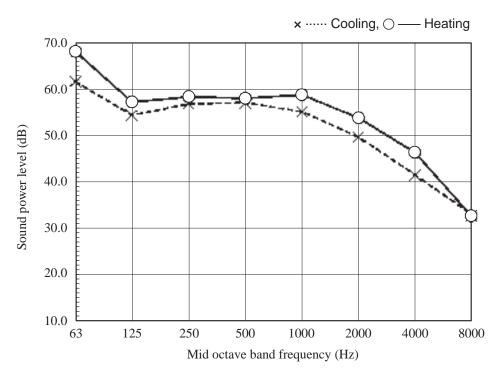


#### Model SRK50ZSX-W, -WB, -WT

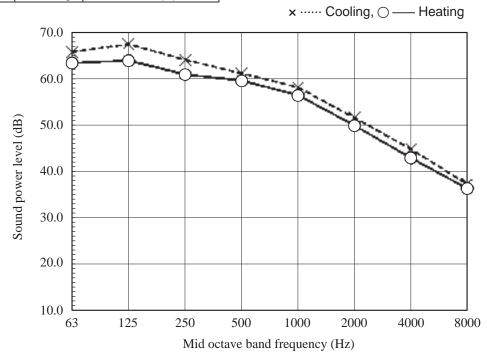
(Indoor Unit)

(**************************************			
Model	SRK50ZSX-W, -WB, -WT		
Noise	Cooling	59 dB(A)	
Level	Heating	62 dB(A)	

Condition	ISO5151 T1/H1	
MODE	Rated capacity value (Hi)	



Model	SRC50ZSX-W	
Noise	Cooling	63 dB(A)
Level	Heating	61 dB(A)



#### Model SRK60ZSX-W, -WB, -WT

#### (Indoor Unit)

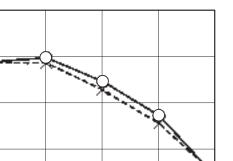
Model	SRK60ZSX-W, -WB, -WT	
Noise	Cooling	62 dB(A)
Level	Heating	63 dB(A)

70.0

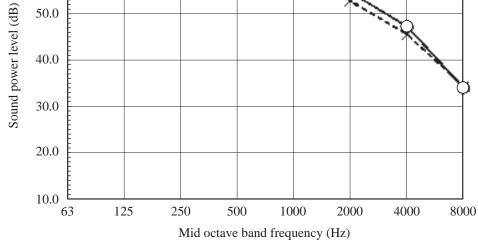
60.0

50.0

Condition	ISO5151 T1/H1	
MODE	Rated capacity value (Hi)	

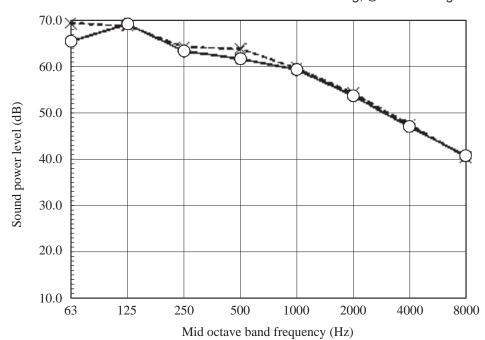


× ····· Cooling,  $\bigcirc$  — Heating



Model	SRC60ZSX-W	
Noise	Cooling	65 dB(A)
Level	Heating	64 dB(A)





#### (2) Sound pressure level

#### (a) Rated capacity value

#### Model SRK20ZSX-W, -WB, -WT

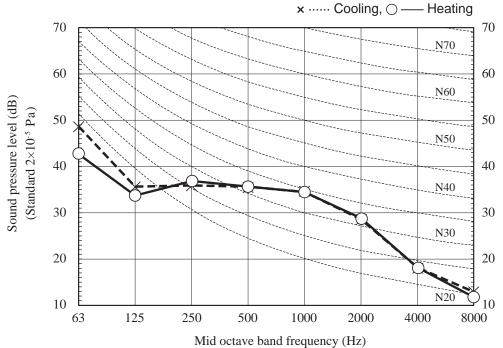
(Indoor Unit)

,		
Model	SRK20ZSX-W, -WB, -WT	
Noise	Cooling	38 dB(A)
Level	Heating	38 dB(A)

Condition	ISO5151 T1/H1	
MODE	Rated capacity value (Hi)	

#### ■Mike position

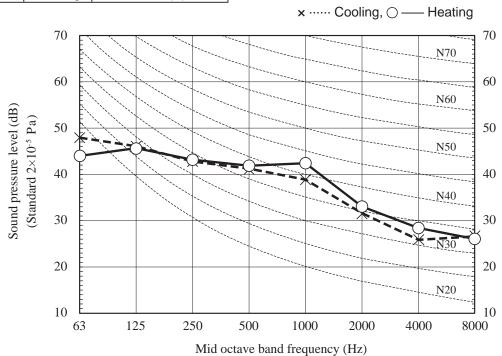




(Outdoor Unit)

(	/	
Model	SRC20ZSX-W	
Noise	Cooling	43 dB(A)
Level	Heating	45 dB(A)

●Mike position: at highest noise level in position as mentioned below Distance from front side 1m



#### Model SRK25ZSX-W, -WB, -WT

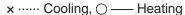
(Indoor Unit)

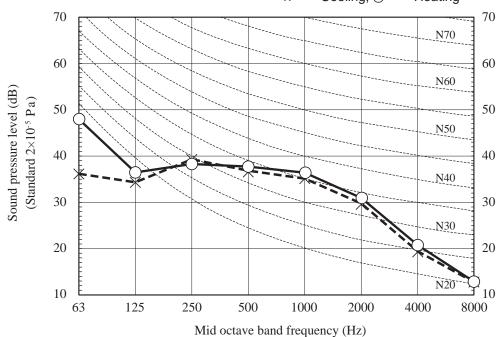
Model	SRK25ZSX-W, -WB, -WT	
Noise	Cooling	39 dB(A)
Level	Heating	40 dB(A)

Condition	ISO5151 T1/H1	
MODE	Rated capacity value (Hi)	

#### Mike position





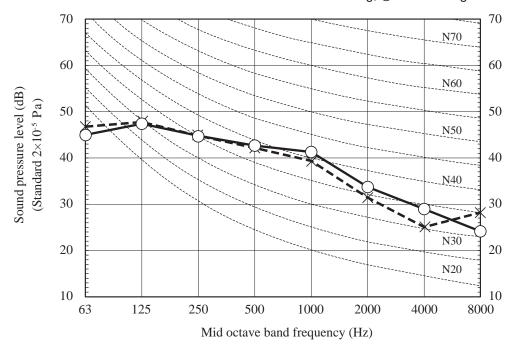


#### (Outdoor Unit)

(	/	
Model	SRC25ZSX-W	
Noise	Cooling	44 dB(A)
Level	Heating	45 dB(A)

●Mike position: at highest noise level in position as mentioned below Distance from front side 1m





#### Model SRK35ZSX-W, -WB, -WT

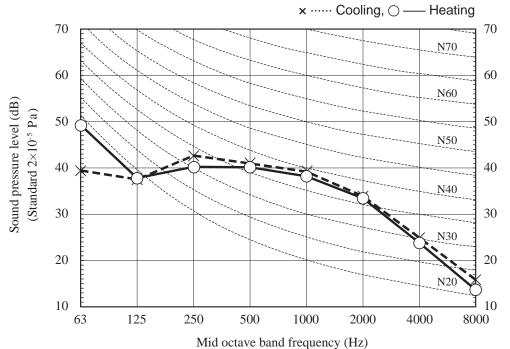
(Indoor Unit)

Model	SRK35ZSX-W, -WB, -WT	
Noise	Cooling	43 dB(A)
Level	Heating	42 dB(A)

Condition	ISO5151 T1/H1	
MODE	Rated capacity value (Hi)	

#### Mike position

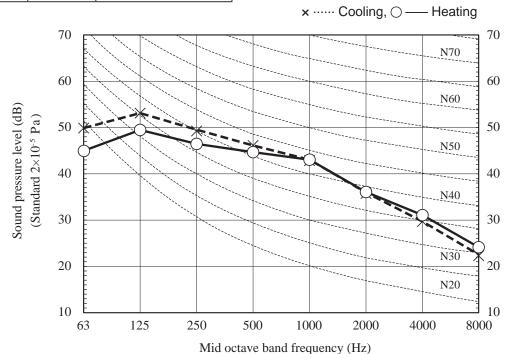




#### (Outdoor Unit)

,		
Model	S	RC35ZSX-W
Noise	Cooling	48 dB(A)
Level	Heating	47 dB(A)

 Mike position: at highest noise level in position as mentioned below Distance from front side 1m



# Model SRK50ZSX-W, -WB, -WT

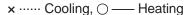
(Indoor Unit)

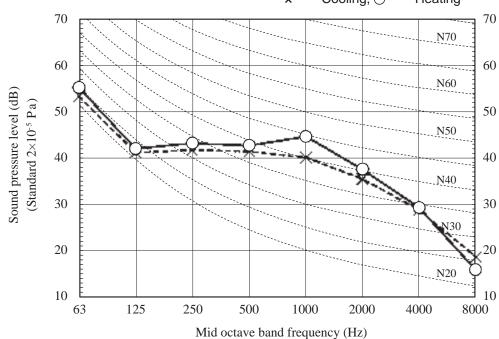
Model	SRK50	ZSX-W, -WB, -WT
Noise	Cooling	44 dB(A)
Level	Heating	47 dB(A)

Condition	ISO5151 T1/H1
MODE	Rated capacity value (Hi)

# ■Mike position

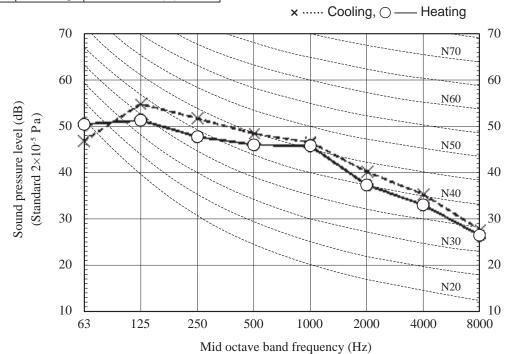






# (Outdoor Unit)

`	,	
Model	S	RC50ZSX-W
Noise	Cooling	51 dB(A)
Level	Heating	49 dB(A)



# Model SRK60ZSX-W, -WB, -WT

(Indoor Unit)

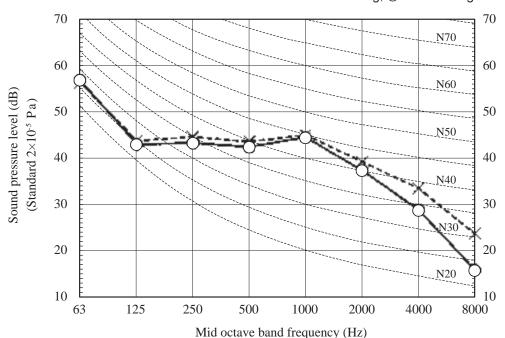
Model	SRK60	ZSX-W, -WB, -WT
Noise	Cooling	48 dB(A)
Level	Heating	47 dB(A)

Condition	ISO5151 T1/H1
MODE	Rated capacity value (Hi)

Mike position

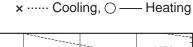


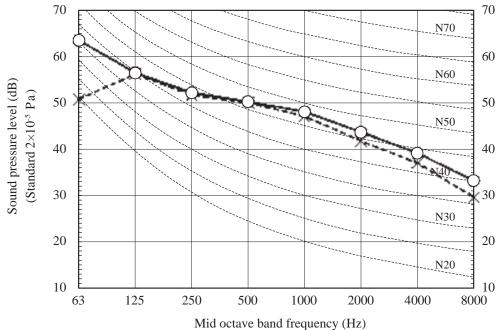
x ..... Cooling, O — Heating



# (Outdoor Unit)

Model	S	RC60ZSX-W
Noise	Cooling	52 dB(A)
Level	Heating	53 dB(A)





# (b) Each fan speed mode Condition ISO5151 T1/H1 (Indoor Unit) **MODE** Me Model SRK20ZSX-W, -WB, -WT Noise Cooling 31 dB(A) Mike position Level Heating 33 dB(A) Mike position (Center & low points) × ····· Cooling, O — Heating 70 70 N70 60 60 N60 Sound pressure level (dB) (Standard 2×10-5 Pa) 50 50 N50 40 40 N40 30 30 N30 20 20 10 O 10 125 250 500 1000 2000 4000 8000 63 Mid octave band frequency (Hz) (Indoor Unit) **MODE** Lo Model SRK20ZSX-W, -WB, -WT ■Mike position Cooling 24 dB(A) Noise Level Heating 25 dB(A) Mike position (Center & low points) Heating 70 70 N70 60 60 N60 Sound pressure level (dB) (Standard 2×10-5 Pa) 50 50 N50 40 40 N40 30 30 N30 20 20 N20

- 37 -

Mid octave band frequency (Hz)

500

1000

2000

4000

8000

10

63

125

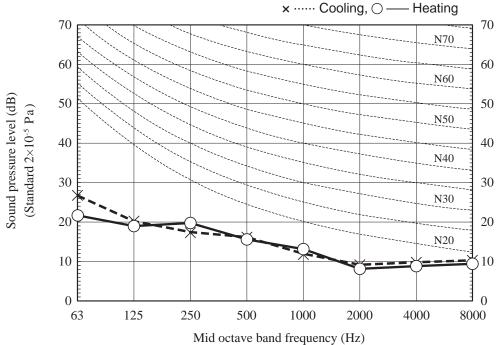
250

Model	SRK20	ZSX-W, -WB, -WT
Noise	Cooling	19 dB(A)
Level	Heating	19 dB(A)

Condition	ISO5151 T1/H1
MODE	ULo

# ■Mike position

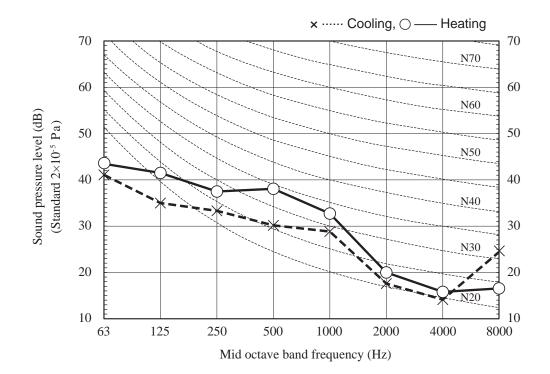


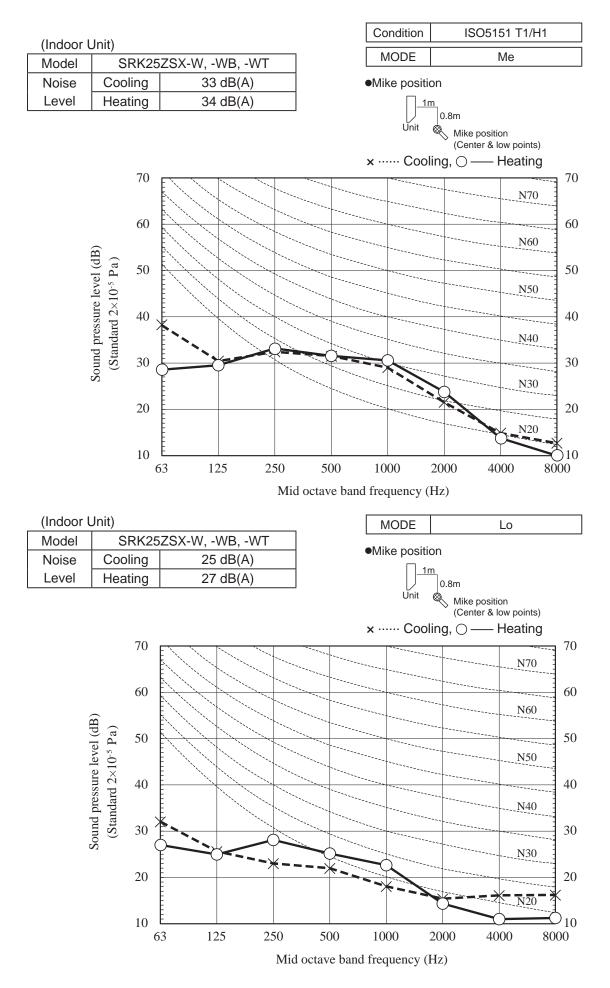


# (Outdoor Unit)

(00.000	· · · · · · · ·	
Model	S	RC20ZSX-W
Noise	Cooling	33 dB(A)
Level	Heating	38 dB(A)

MODE	Silent



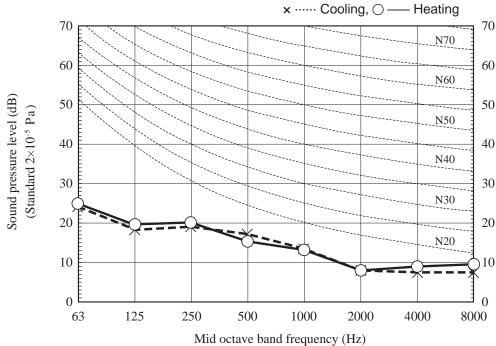


Model	SRK25	ZSX-W, -WB, -WT
Noise	Cooling	19 dB(A)
Level	Heating	19 dB(A)

Condition	ISO5151 T1/H1
MODE	ULo

# ■Mike position

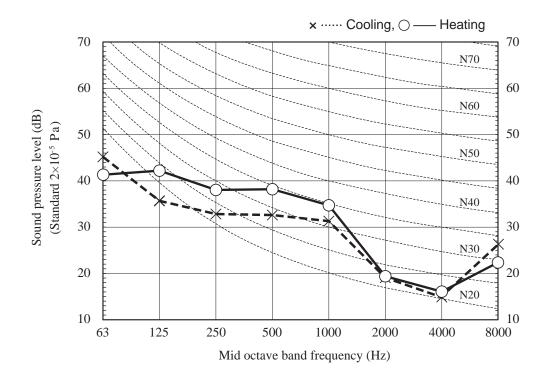


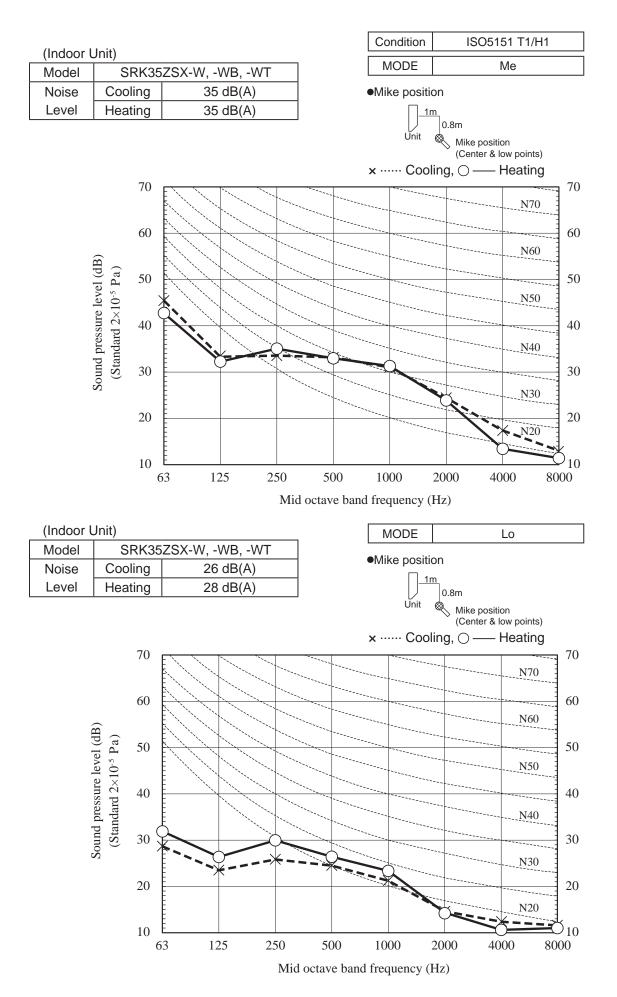


# (Outdoor Unit)

(00.000	· · · · · · · ·	
Model	S	RC25ZSX-W
Noise	Cooling	35 dB(A)
Level	Heating	39 dB(A)

MODE	Silent



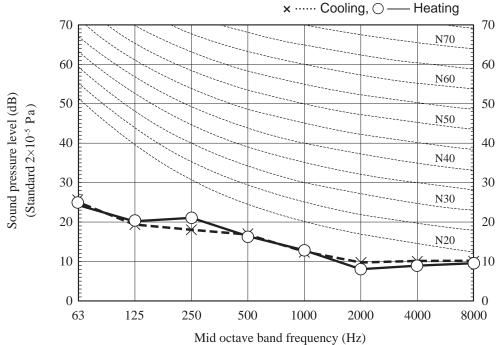


Model	SRK35	ZSX-W, -WB, -WT
Noise	Cooling	19 dB(A)
Level	Heating	19 dB(A)

Condition	ISO5151 T1/H1
MODE	ULo

# ■Mike position

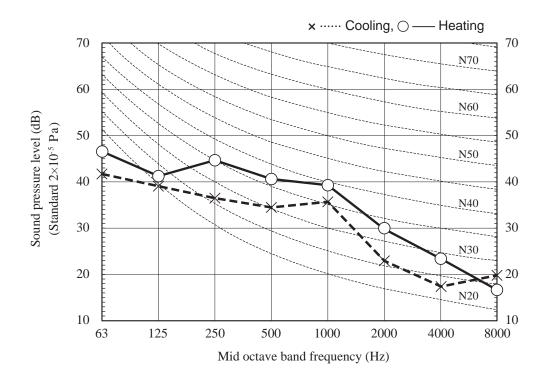


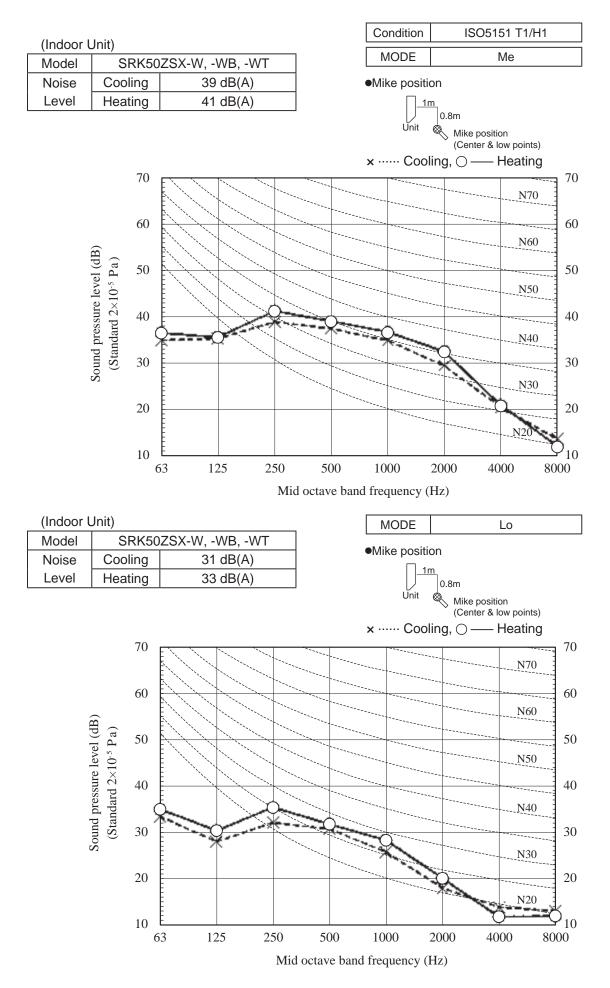


# (Outdoor Unit)

(00.000	· · · · · · · ·	
Model	S	RC35ZSX-W
Noise	Cooling	38 dB(A)
Level	Heating	43 dB(A)

MODE	Silent



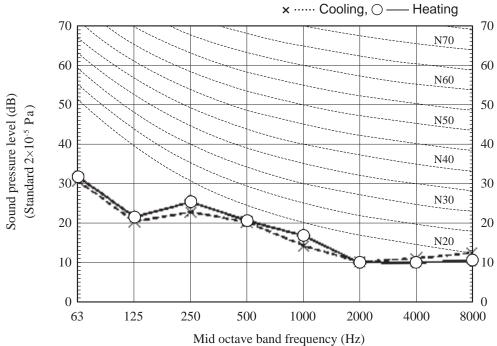


Model	SRK50	ZSX-W, -WB, -WT
Noise	Cooling	22 dB(A)
Level	Heating	23 dB(A)

Condition	ISO5151 T1/H1
MODE	ULo

# ■Mike position

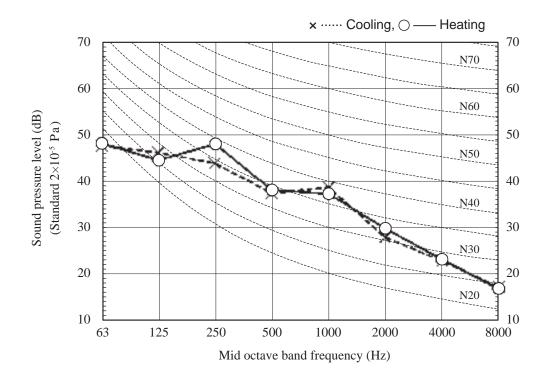


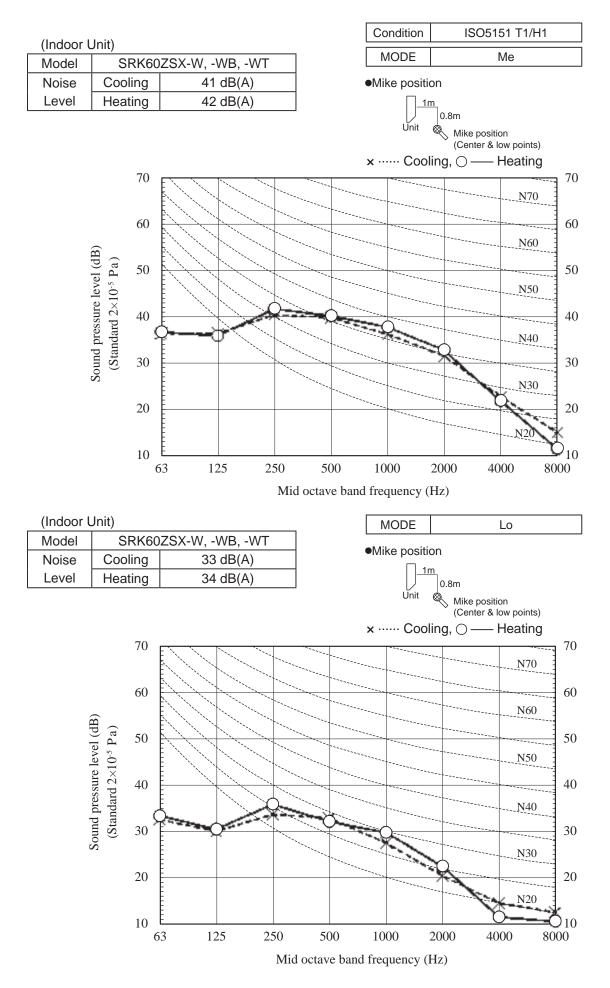


# (Outdoor Unit)

(00.000	· · · · · · · ·	
Model	S	RC50ZSX-W
Noise	Cooling	42 dB(A)
Level	Heating	43 dB(A)

MODE	Silent



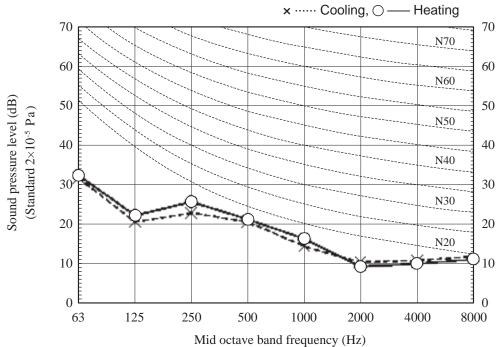


Model	SRK60	ZSX-W, -WB, -WT
Noise	Cooling	22 dB(A)
Level	Heating	23 dB(A)

Condition	ISO5151 T1/H1
MODE	ULo

# ■Mike position

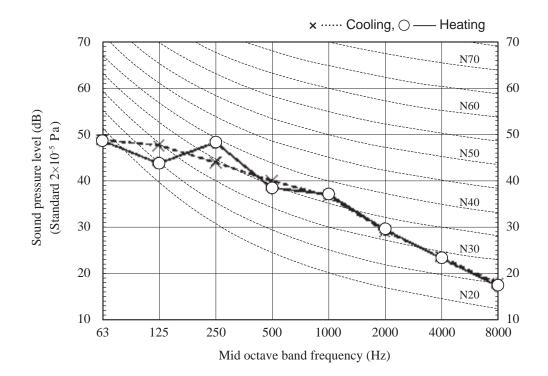




# (Outdoor Unit)

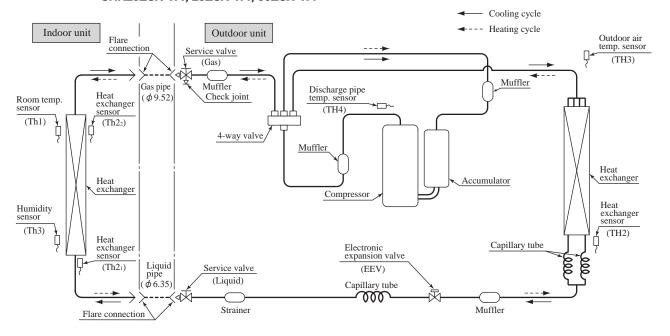
(00.000	· · · · · · · ·						
Model	SRC60ZSX-W						
Noise	Cooling	42 dB(A)					
Level	Heating	43 dB(A)					

MODE	Silent

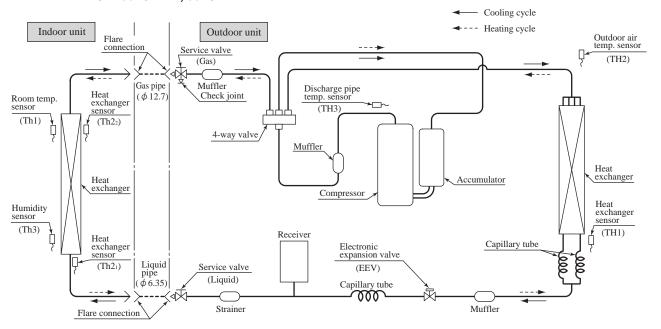


# 5. PIPING SYSTEM

Models SRK20ZSX-W, 25ZSX-W, 35ZSX-W SRK20ZSX-WB, 25ZSX-WB, 35ZSX-WB SRK20ZSX-WT, 25ZSX-WT, 35ZSX-WT



# Models SRK50ZSX-W,60ZSX-W SRK50ZSX-WB, 60ZSX-WB SRK50ZSX-WT, 60ZSX-WT



# 6. RANGE OF USAGE & LIMITATIONS

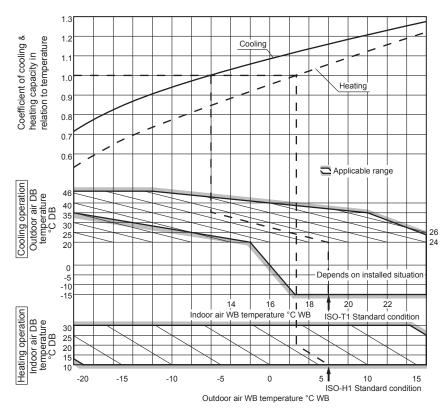
Model	SRK20, 25, 35ZSX-W SRK20, 25, 35ZSX-WB SRK20, 25, 35ZSX-WT	SRK50, 60ZSX-W SRK50, 60ZSX-WB SRK50, 60ZSX-WT				
Indoor return air temperature (Upper, lower limits)	Cooling operation : Appro Heating operation : Appro (Refer to the selection cha	eximately 10 to 30°C DB				
Outdoor air temperature (Upper, lower limits)	Cooling operation : Approximately -15 to 46°C DB Heating operation : Approximately -20 to 24°C DB (Refer to the selection chart)					
Refrigerant line (one way) length	Max. 25m	Max. 30m				
Vertical height difference between outdoor unit and indoor unit	Max. 15m (Outdoor unit is higher) Max. 15m (Outdoor unit is lower)	Max. 20m (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)					
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	30
Cooling	1.0	0.99	0.975	0.965	0.95	0.935
Heating	1.0	1.0	1.0	1.0	1.0	1.0

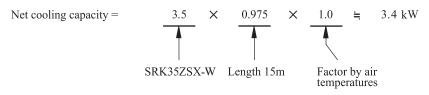
# (3) Correction relative to frosting on outdoor heat exchanger during heating

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	-20	-15	-10	-9	-7	-5	-3	-1	1	3	5 or more
Adjustment coefficient	0.95	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 SRK35ZSX-W with the piping length of 15m, indoor wet-bulb temperature at  $19.0^{\circ}$ C and outdoor dry-bulb temperature  $35^{\circ}$ C is



# 7. CAPACITY TABLES

# Model SRK20ZSX-W, -WB, -WT

Cooling mode

(kW)

(kW)

	Heating mode (H	HC)				(k\					
Air flow	Outdoor air		Indoor air temperature								
	temperature	16°CDB	18°CDB	20°CDB	22°CDB	24°CDB					
	-20°CWB	1.44	1.40	1.35	1.32	1.28					
	-15°CWB	1.66	1.63	1.59	1.55	1.52					
	-10°CWB	1.88	1.85	1.82	1.78	1.74					
l <sub>Hi</sub>	-5°CWB	2.04	2.01	1.97	1.94	1.91					
12.2	0°CWB	2.13	2.10	2.07	2.04	2.01					
(m³/min)	5°CWB	2.72	2.69	2.67	2.62	2.58					
(111 /111111)	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					
	20°CWB	3.43	3.41	3.39	3.35	3.32					

		Indoor air temperature									$\neg$				
	Outdoor	21°0	- DD	00%	DB	00%	DDB		empera CDB		DDB	0.1%	CDB	00%	- DD
Air flow	air			_		-		_		_		_		_	CDB
	temperature		WB	_	WB	_	WB		WB	20°C		_	CWB	_	WB
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
	10	2.25	2.12	2.36	2.09	2.45	2.19	2.49	2.17	2.53	2.14	2.60	2.26	2.67	2.21
	12	2.21	2.10	2.32	2.07	2.41	2.18	2.45	2.16	2.50	2.14	2.58	2.26	2.65	2.20
	14	2.17	2.06	2.28	2.05	2.38	2.17	2.42	2.15	2.47	2.12	2.55	2.24	2.62	2.20
	16	2.13	2.02	2.24	2.03	2.34	2.15	2.39	2.13	2.43	2.11	2.52	2.23	2.59	2.17
	18	2.08	1.98	2.19	2.01	2.30	2.14	2.35	2.12	2.40	2.10	2.49	2.22	2.56	2.16
	20	2.04	1.94	2.15	2.00	2.26	2.13	2.31	2.11	2.36	2.09	2.45	2.20	2.53	2.15
	22	1.99	1.89	2.10	1.97	2.22	2.11	2.28	2.10	2.32	2.08	2.42	2.19	2.50	2.14
	24	1.94	1.85	2.05	1.95	2.18	2.07	2.24	2.09	2.28	2.07	2.38	2.18	2.47	2.14
	26	1.90	1.80	2.01	1.91	2.14	2.03	2.20	2.07	2.24	2.05	2.35	2.17	2.43	2.13
	28	1.85	1.75	1.96	1.86	2.09	1.99	2.15	2.05	2.20	2.04	2.31	2.16	2.40	2.12
Hi	30	1.79	1.70	1.90	1.81	2.05	1.94	2.11	2.01	2.16	2.02	2.27	2.15	2.36	2.11
11.3	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	2.10
(m³/min)	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	2.09
(III /min)	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	2.08
	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	2.08
	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	2.07
	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	2.06
	40	1.52	1.44	1.63	1.55	1.80	1.71	1.88	1.79	1.93	1.83	2.06	1.96	2.16	2.05
	41	1.49	1.42	1.60	1.52	1.77	1.69	1.86	1.76	1.90	1.81	2.04	1.94	2.14	2.03
	42	1.46	1.39	1.57	1.49	1.75	1.66	1.83	1.74	1.88	1.78	2.02	1.92	2.11	2.01
	43	1.43	1.36	1.54	1.46	1.72	1.64	1.81	1.72	1.85	1.76	1.99	1.89	2.09	1.99
	44	1.40	1.33	1.51	1.43	1.69	1.61	1.78	1.69	1.83	1.74	1.97	1.87	2.07	1.96
	45	1.37	1.30	1.48	1.40	1.67	1.58	1.76	1.67	1.80	1.71	1.95	1.85	2.04	1.94
	46	1.34	1.27	1.44	1.37	1.64	1.56	1.73	1.64	1.77	1.69	1.92	1.83	2.02	1.92

# Model SRK25ZSX-W, -WB, -WT

Cooling mode

Heating	mode	(HC)

(kW)

							Indo	or air t	empera	ature					
Air flow	Outdoor air	21°C	DB	23°C	CDB	26°0	CDB	27°0	DB	28°0	DDB	31°0	CDB	33°C	CDB
All llow	temperature	14°CWB		16°CWB		18°CWB		19°CWB		20°CWB		22°CWB		24°CWB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
	10	2.82	2.65	2.95	2.61	3.06	2.75	3.11	2.72	3.16	2.69	3.26	2.83	3.34	2.77
	12	2.77	2.62	2.90	2.58	3.01	2.73	3.07	2.71	3.12	2.68	3.22	2.82	3.31	2.76
	14	2.71	2.58	2.85	2.56	2.97	2.72	3.03	2.69	3.08	2.67	3.18	2.81	3.28	2.74
	16	2.66	2.53	2.80	2.54	2.92	2.70	2.98	2.68	3.04	2.65	3.15	2.80	3.24	2.73
	18	2.60	2.47	2.74	2.52	2.88	2.68	2.94	2.66	2.99	2.64	3.11	2.78	3.20	2.72
	20	2.55	2.42	2.68	2.49	2.83	2.66	2.89	2.64	2.95	2.62	3.07	2.76	3.17	2.71
	22	2.49	2.37	2.63	2.47	2.78	2.64	2.84	2.62	2.90	2.60	3.02	2.75	3.13	2.68
	24	2.43	2.31	2.57	2.44	2.72	2.59	2.80	2.61	2.85	2.58	2.98	2.74	3.08	2.66
	26	2.37	2.25	2.51	2.38	2.67	2.54	2.74	2.59	2.80	2.57	2.93	2.73	3.04	2.65
	28	2.31	2.19	2.44	2.32	2.61	2.48	2.69	2.56	2.75	2.55	2.89	2.69	3.00	2.64
Hi	30	2.24	2.13	2.38	2.26	2.56	2.43	2.64	2.51	2.70	2.53	2.84	2.68	2.95	2.63
12.2	32	2.18	2.07	2.31	2.20	2.50	2.37	2.58	2.46	2.64	2.51	2.79	2.65	2.90	2.61
(m³/min)	34	2.11	2.00	2.25	2.13	2.44	2.32	2.53	2.40	2.59	2.46	2.74	2.60	2.85	2.60
(111711111)	35	2.08	1.97	2.21	2.10	2.41	2.29	2.50	2.38	2.56	2.43	2.71	2.58	2.83	2.59
	36	2.04	1.94	2.18	2.07	2.38	2.26	2.47	2.35	2.53	2.40	2.69	2.55	2.80	2.59
	38	1.97	1.87	2.11	2.00	2.32	2.20	2.41	2.29	2.47	2.35	2.63	2.50	2.75	2.57
	39	1.94	1.84	2.07	1.97	2.28	2.17	2.38	2.26	2.44	2.32	2.61	2.48	2.72	2.57
	40	1.90	1.81	2.03	1.93	2.25	2.14	2.35	2.23	2.41	2.29	2.58	2.45	2.70	2.56
	41	1.86	1.77	2.00	1.90	2.22	2.11	2.32	2.20	2.38	2.26	2.55	2.42	2.67	2.54
	42	1.83	1.74	1.96	1.86	2.19	2.08	2.29	2.18	2.35	2.23	2.52	2.40	2.64	2.51
	43	1.79	1.70	1.92	1.83	2.15	2.04	2.26	2.15	2.32	2.20	2.49	2.37	2.61	2.48
	44	1.75	1.67	1.88	1.79	2.12	2.01	2.23	2.12	2.28	2.17	2.46	2.34	2.58	2.46
	45	1.71	1.63	1.84	1.75	2.08	1.98	2.19	2.08	2.25	2.14	2.43	2.31	2.56	2.43
	46	1.68	1.59	1.81	1.72	2.05	1.95	2.16	2.05	2.22	2.11	2.40	2.28	2.53	2.40

3 (	- /				(144)					
Outdoor air	Indoor air temperature									
temperature	16°CDB	18°CDB	20°CDB	22°CDB	24°CDB					
-20°CWB	1.70	1.66	1.60	1.57	1.52					
-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					
0°CWB	2.53	2.49	2.45	2.42	2.38					
5°CWB	3.22	3.19	3.17	3.10	3.06					
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					
	Outdoor air temperature -20'CWB -10'CWB -5'CWB 6'CWB 10'CWB 15'CWB 15'CWB 15'CWB 15'CWB 15'CWB	Outdoor air 16°CDB 16°CDB 1.70 1.5°CWB 1.97 1.70 2.23 1.5°CWB 2.41 0°CWB 2.53 5°CWB 3.22 6°CWB 3.48 15°CWB 3.79	Outdoor air         Indoor           temperature         16°CDB         18°CDB           -20°CWB         1.70         1.66           -15°CWB         1.97         1.93           -10°CWB         2.23         2.19           -5°CWB         2.41         2.38           0°CWB         2.53         2.49           5°CWB         3.22         3.19           6°CWB         3.27         3.24           10°CWB         3.48         3.45           15°CWB         3.79         3.75	Outdoor air temper air temperature air temperature         16°CDB         18°CDB         20°CDB           -20°CWB         1.70         1.66         1.60           -15°CWB         1.97         1.93         1.88           -10°CWB         2.23         2.19         2.16           -5°CWB         2.41         2.38         2.33           0°CWB         2.53         2.49         2.45           5°CWB         3.22         3.19         3.17           6°CWB         3.27         3.24         3.20           10°CWB         3.48         3.45         3.42           15°CWB         3.79         3.75         3.73	16°CDB   18°CDB   20°CDB   22°CDB   22°CDB   22°CDB   22°CDB   22°CDB   22°CDB   22°CDB   22°CDB   21°CDB   2					

# Model SRK35ZSX-W, -WB, -WT

air temperatur

Cooling mode

11°C № 23°C № 26°C № 28°C № 31°C № 33°C № 33°C № 14°C № 16°C № 18°C № 19°C № 20°C № 22°C № 22°C № 24°C № 16°C № 18°C № 19°C № 10°C № 12°C № 22°C № 24°C № 10°C № 1

	12	3.87	3.45	4.06	3.39	4.22	3.58	4.29	3.54	4.37	3.50	4.51	3.65	4.63	3.56
	14	3.80	3.41	3.99	3.36	4.16	3.55	4.24	3.51	4.31	3.48	4.46	3.63	4.59	3.54
	16	3.72	3.38	3.91	3.33	4.09	3.52	4.18	3.49	4.25	3.45	4.40	3.61	4.54	3.53
	18	3.65	3.34	3.84	3.30	4.03	3.49	4.11	3.46	4.19	3.43	4.35	3.59	4.49	3.51
	20	3.57	3.31	3.76	3.26	3.96	3.47	4.05	3.44	4.13	3.40	4.29	3.57	4.43	3.49
	22	3.49	3.27	3.68	3.23	3.89	3.44	3.98	3.41	4.06	3.38	4.23	3.55	4.38	3.48
	24	3.40	3.22	3.59	3.20	3.81	3.41	3.91	3.39	3.99	3.35	4.17	3.53	4.32	3.46
	26	3.32	3.15	3.51	3.16	3.74	3.38	3.84	3.36	3.92	3.33	4.11	3.51	4.26	3.44
	28	3.23	3.07	3.42	3.12	3.66	3.35	3.77	3.33	3.85	3.30	4.04	3.49	4.20	3.42
Hi	30	3.14	2.98	3.33	3.08	3.58	3.32	3.70	3.30	3.78	3.28	3.98	3.47	4.13	3.40
13.1	32	3.05	2.90	3.24	3.04	3.50	3.29	3.62	3.28	3.70	3.25	3.91	3.45	4.06	3.38
I	34	2.95	2.81	3.14	2.99	3.41	3.24	3.54	3.25	3.62	3.22	3.84	3.42	4.00	3.36
(m³/min)	35	2.91	2.76	3.10	2.94	3.37	3.20	3.50	3.23	3.58	3.21	3.80	3.41	3.96	3.35
	36	2.86	2.72	3.05	2.90	3.33	3.16	3.46	3.22	3.54	3.19	3.76	3.40	3.92	3.34
	38	2.76	2.62	2.95	2.80	3.24	3.08	3.38	3.19	3.46	3.16	3.69	3.38	3.85	3.32
	39	2.71	2.57	2.90	2.75	3.20	3.04	3.33	3.17	3.42	3.15	3.65	3.36	3.81	3.31
	40	2.66	2.66	2.61	2.48	2.89	2.74	3.29	3.13	3.37	3.13	3.61	3.35	3.78	3.30
	41	2.61	2.61	2.56	2.43	2.85	2.70	3.25	3.09	3.33	3.12	3.57	3.34	3.74	3.29
	42	2.56	2.56	2.51	2.39	2.80	2.66	3.21	3.05	3.29	3.10	3.53	3.33	3.70	3.27
	43	2.51	2.51	2.47	2.34	2.76	2.62	3.16	3.00	3.24	3.08	3.49	3.31	3.66	3.26
	44	2.45	2.45	2.42	2.30	2.72	2.58	3.12	2.96	3.20	3.04	3.45	3.28	3.62	3.25
	45	2.40	2.40	2.37	2.25	2.67	2.54	3.07	2.92	3.15	2.99	3.41	3.24	3.58	3.24
	46	2.35	2.35	2.32	2.20	2.63	2.50	3.03	2.88	3.11	2.95	3.36	3.20	3.54	3.23

Heating	mode	(HC)

(kW)

Air flow	Outdoor air	Indoor air temperature						
İ	temperature	16°CDB	18°CDB	20°CDB	22°CDB	24°CDB		
	-20°CWB	2.29	2.23	2.16	2.11	2.05		
	-15°CWB	2.65	2.59	2.53	2.48	2.42		
	-10°CWB	2.99	2.94	2.90	2.83	2.77		
Hi	-5°CWB	3.24	3.20	3.13	3.10	3.05		
13.9	0°CWB	3.40	3.35	3.29	3.25	3.20		
(m³/m in)	5°CWB	4.33	4.28	4.26	4.17	4.11		
(111 /111 111)	6°CWB	4.40	4.35	4.30	4.25	4.19		
	10°CWB	4.68	4.63	4.60	4.54	4.49		
	15°CWB	5.09	5.04	5.01	4.95	4.91		
	20°CWB	5.47	5.42	5.40	5.34	5.29		

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)

# Model SRK50ZSX-W, -WB, -WT

Cooling mode

(kW)

(kW)

			Indoor air temperature												
Air flow	Outdoor air	21°0	DB	23°0	CDB	26°0	DB	27°C	DB	28°0	DB	31°0	DB	33°C	CDB
All llow	temperature	14°C	WB	16°C	CWB	18°C	CWB	19°C	CWB	20°C	CWB	22°C	CWB	24°C	CWB
	. ,	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
	10	5.63	4.44	5.90	4.37	6.11	4.53	6.22	4.47	6.32	4.41	6.51	4.55	6.69	4.42
	12	5.53	4.39	5.80	4.32	6.03	4.49	6.14	4.44	6.25	4.38	6.44	4.52	6.62	4.39
	14	5.43	4.34	5.70	4.27	5.94	4.45	6.05	4.40	6.16	4.35	6.37	4.50	6.55	4.37
	16	5.32	4.28	5.59	4.23	5.85	4.42	5.96	4.37	6.08	4.32	6.29	4.47	6.48	4.35
	18	5.21	4.23	5.48	4.17	5.75	4.38	5.88	4.33	5.99	4.28	6.21	4.44	6.41	4.32
	20	5.10	4.17	5.37	4.12	5.65	4.33	5.78	4.29	5.90	4.24	6.13	4.41	6.33	4.29
	22	4.98	4.12	5.25	4.07	5.55	4.29	5.69	4.25	5.80	4.20	6.05	4.38	6.25	4.27
	24	4.86	4.06	5.14	4.02	5.45	4.24	5.59	4.21	5.71	4.17	5.96	4.35	6.17	4.24
	26	4.74	4.00	5.01	3.96	5.34	4.20	5.49	4.17	5.61	4.13	5.87	4.31	6.08	4.21
	28	4.61	3.94	4.89	3.90	5.23	4.15	5.39	4.13	5.50	4.09	5.78	4.28	5.99	4.18
Hi	30	4.49	3.88	4.76	3.84	5.11	4.11	5.28	4.09	5.40	4.05	5.68	4.25	5.90	4.16
14.3	32	4.35	3.82	4.63	3.79	5.00	4.05	5.17	4.04	5.29	4.01	5.58	4.21	5.81	4.12
(m³/min)	34	4.22	3.75	4.49	3.73	4.88	4.00	5.06	3.99	5.18	3.94	5.48	4.17	5.71	4.08
(111 /111111)	35	4.15	3.72	4.42	3.70	4.82	3.97	5.00	3.96	5.12	3.92	5.43	4.15	5.66	4.07
	36	4.08	3.68	4.35	3.67	4.76	3.94	4.94	3.94	5.06	3.90	5.37	4.13	5.61	4.05
	38	3.94	3.62	4.21	3.60	4.63	3.89	4.82	3.89	4.94	3.86	5.27	4.10	5.50	4.02
	39	3.87	3.59	4.14	3.57	4.57	3.86	4.76	3.87	4.88	3.83	5.21	4.08	5.45	4.00
	40	3.80	3.56	4.07	3.54	4.50	3.84	4.70	3.84	4.82	3.81	5.16	4.06	5.39	3.99
	41	3.73	3.52	3.99	3.51	4.44	3.81	4.64	3.82	4.76	3.79	5.10	4.04	5.34	3.97
	42	3.65	3.49	3.92	3.48	4.37	3.79	4.58	3.80	4.70	3.77	5.04	4.02	5.28	3.95
	43	3.58	3.46	3.84	3.44	4.30	3.76	4.52	3.77	4.63	3.74	4.98	4.00	5.23	3.93
	44	3.51	3.42	3.77	3.41	4.24	3.73	4.45	3.75	4.57	3.72	4.93	3.98	5.17	3.92
	45	3.43	3.39	3.69	3.38	4.17	3.71	4.39	3.72	4.50	3.70	4.87	3.96	5.11	3.90
	46	3.35	3.35	3.61	3.35	4.10	3.68	4.32	3.70	4.44	3.67	4.81	3.94	5.05	3.88

Heating mode (HC)							
Air flow	Outdoor air		Indoor air temperature				
	temperature	16°CDB	18°CDB	20°CDB	22°CDB	24°CDB	
	-20°CWB	3.19	3.11	3.01	2.94	2.85	
	-15°CWB	3.69	3.61	3.53	3.45	3.38	
	-10°CWB	4.18	4.10	4.05	3.95	3.86	
	-5°CWB	4.52	4.46	4.37	4.32	4.25	
Hi 17.3	0°CWB	4.74	4.67	4.59	4.54	4.47	
(m³/min)	5°CWB	6.04	5.97	5.94	5.82	5.74	
(111 /111111)	6°CWB	6.14	6.07	6.00	5.92	5.85	
	10°CWB	6.52	6.46	6.42	6.34	6.27	
	15°CWB	7.10	7.04	6.99	6.91	6.85	
	20°CWB	7.63	7.57	7.53	7.45	7.39	

# Model SRK60ZSX-W, -WB, -WT

Cooling mode

							Indo	or air t	empera	ature					
Air flow	Outdoor air	21°0	DB	23°0	DB	26°0	DB	27°0	DB	28°0	DB	31°C	CDB	33°C	CDB
All llow	temperature	14°C	CWB	16°C	CWB	18°0	CWB	19°C	WB	20°C	WB	22°C	CWB	24°C	CWB
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
	10	6.87	5.31	7.19	5.22	7.46	5.39	7.58	5.32	7.72	5.25	7.94	5.40	8.16	5.22
	12	6.75	5.24	7.07	5.16	7.35	5.35	7.48	5.28	7.62	5.21	7.86	5.37	8.08	5.20
	14	6.62	5.17	6.95	5.09	7.24	5.30	7.38	5.24	7.52	5.17	7.77	5.33	8.00	5.17
	16	6.49	5.11	6.82	5.03	7.13	5.25	7.28	5.19	7.42	5.13	7.68	5.29	7.91	5.14
	18	6.36	5.04	6.69	4.97	7.02	5.20	7.17	5.15	7.31	5.09	7.58	5.26	7.82	5.11
	20	6.22	4.97	6.55	4.90	6.89	5.15	7.06	5.10	7.20	5.04	7.48	5.22	7.73	5.08
	22	6.08	4.90	6.41	4.84	6.77	5.09	6.94	5.04	7.08	4.99	7.38	5.18	7.63	5.05
	24	5.93	4.83	6.27	4.77	6.64	5.03	6.82	5.00	6.96	4.94	7.27	5.15	7.53	5.02
	26	5.78	4.76	6.12	4.71	6.51	4.98	6.70	4.95	6.84	4.89	7.16	5.11	7.42	4.97
	28	5.63	4.68	5.96	4.64	6.38	4.92	6.57	4.90	6.71	4.84	7.05	5.06	7.31	4.94
Hi	30	5.47	4.60	5.81	4.57	6.24	4.86	6.44	4.84	6.58	4.80	6.93	5.01	7.20	4.90
16.3	32	5.31	4.52	5.65	4.49	6.10	4.80	6.31	4.79	6.45	4.74	6.81	4.97	7.08	4.86
(m³/min)	34	5.15	4.45	5.48	4.41	5.95	4.74	6.17	4.73	6.31	4.68	6.68	4.93	6.96	4.82
(111 /111111)	35	5.07	4.41	5.40	4.38	5.88	4.71	6.10	4.70	6.24	4.66	6.62	4.91	6.90	4.80
	36	4.98	4.37	5.31	4.34	5.80	4.68	6.03	4.67	6.17	4.63	6.56	4.88	6.84	4.78
	38	4.81	4.29	5.14	4.27	5.65	4.61	5.89	4.61	6.03	4.58	6.42	4.84	6.71	4.74
	39	4.72	4.25	5.05	4.23	5.57	4.58	5.81	4.59	5.95	4.55	6.36	4.81	6.65	4.69
	40	4.64	4.20	4.96	4.19	5.49	4.55	5.74	4.56	5.88	4.52	6.29	4.79	6.58	4.67
	41	4.55	4.16	4.87	4.15	5.41	4.52	5.66	4.53	5.80	4.49	6.22	4.74	6.51	4.65
	42	4.46	4.12	4.78	4.11	5.33	4.48	5.59	4.50	5.73	4.46	6.15	4.72	6.45	4.63
	43	4.37	4.08	4.69	4.06	5.25	4.45	5.51	4.47	5.65	4.43	6.08	4.69	6.38	4.61
	44	4.28	4.04	4.60	4.03	5.17	4.41	5.43	4.44	5.57	4.41	6.01	4.67	6.31	4.59
	45	4.13	3.94	4.44	3.93	5.02	4.32	5.28	4.34	5.42	4.31	5.86	4.58	6.15	4.50
	46	3.85	3.72	4.15	3.71	4.71	4.09	4.96	4.11	5.09	4.08	5.52	4.35	5.80	4.27

Heating mode (HC)								
Air flow	Outdoor air		Indoor air temperature					
	temperature	16°CDB	18°CDB	20°CDB	22°CDB	24°CDB		
	-20°CWB	3.61	3.52	3.41	3.33	3.23		
	-15°CWB	4.18	4.09	4.00	3.92	3.83		
	-10°CWB	4.73	4.65	4.59	4.47	4.38		
Hi	-5°CWB	5.13	5.05	4.95	4.90	4.82		
17.8	0°CWB	5.38	5.30	5.20	5.14	5.07		
(m³/min)	5°CWB	6.85	6.77	6.73	6.60	6.51		
(111 /111111)	6°CWB	6.96	6.88	6.80	6.71	6.63		
	10°CWB	7.39	7.32	7.28	7.18	7.11		
	15°CWB	8.05	7.98	7.92	7.83	7.76		
	20°CWB	8.65	8.58	8.54	8.44	8.37		

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)

# 8. APPLICATION DATA

# (1) Installation of indoor unit

RLF012A202B

Model SRK20,25,35,50,60ZSX R32/R410A REFRIGERANT USED

- 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 work in order to protect yourself.
   The precautionary items mentioned below are distinguished into two levels, [AWARNING] and [ACAUTION].
   Be sure to confirm no operation problem on the equipment after completing the installation. If unusual noise can be heard during the test run, consult the dealer.
   Be sure to explain the operating methods as well as the maintenance methods of this equipment to the
- ⚠ WARNING Indicates a potentially hazardous situation which, if not avoided, can result in serious consequences such as death or severe injury.
   ⚠ CAUTION Indicates a potentially hazardous situation which, if not avoided, can result in personal injury or property damage.
   Both mention the important items to protect your health and safety. Therefore, strictly follow them by any means.

# **⚠ 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, etc., it can malfunction.

- Installation must be carried out by the qualified installer completely in accor
  - dance 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.
- when installing the unit in small rooms, make sure that refrigerant density does not exceed the limit (Reference: ISOS149) 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

- Install the unit in a location where unit will remain stable, norizontal and free of any vibration transmission.

  Unsuitable installation location can cause the unit to fall resulting in material damage and personal injury. 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.

- entrapment, burn of electric Snock.

  This unit is designed specifically for R32 or R410A.

  Using any other refrigerant can cause unit failure and personal injury.

  Do not vent R32 or R410A into atmosphere.

  R32 is a fluorinated greenhouse gas with a Global Warming Potential(GWP)=675.

  R410A is a fluorinated greenhouse gas with a Global Warming Potential(GWP)=2088.

  Make sure that no air enters the refrigerant circuit when the unit is installed and reproved.
- wake sure that no air enters the refrigerant circuit when the unit is installed and removed.

  If air enters the refrigerant circuit, the pressure in the refrigerant 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-

- Be sure to commerce both induited and gas commercing pipes properly.

  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 resulting 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.

- 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-
- ing in burst or 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.
- Electrical work must be carried out by the qualified electrician, strictly in accordance 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-
- pacities are installed.

  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, 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 cables 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 plugs.

  Improper power cable or power plug can cause fire or electric shock due to poor connection, insufficient 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.

- Improper installation can cause electric shock or fire due to intrusion of outs or 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 circuit 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.

- 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.

# **⚠** CAUTION

- 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 can inhabit.
- Insects and small animals can enter the electrical parts and cause damage resulting in fire 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.

  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 performance degradation, corrosion and damage of component bispose 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.

  Do not put anything on the outdoor unit.

  Object anything on the outdoor unit.

  Object anything on the outdoor unit.
- gases (like suipnice gas, cinionite
- Equipment such as inverters, standby generators, medical high frequency equipments and telecommunication 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.

  Chemical substances like ammonia (organic fertilizer), calcium chloride (snow melting agent) and
- oracid (sulfurous 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. Height above sea level is more than 1000m.

- It can cause performance degradation, corrosion and damage of components, unit malfunction and fire.

- Do not put anything on the outdoor unit.
   Object may fall causing property damage or personal injury.

- Do not touch any refrigerant pipe with your hands when the system is in operation. During operation the refrigerant pipes become extremely hot or extremely cold depending on the operating condition. Touching pipes can cause personal injury like burn (hot/cold). Install isolator or disconnect switch on the power source wiring in accordance with the local codes and regulations.

  The isolator should be locked in OFF state in accordance with EN60204-1.

# 1. ACCESSORIES AND TOOLS Standard accessories (Supplied with indoor unit) 1pc (5) Wood screws (for remote control holder ø3.5 X 16mm) (1) Installation board 2pcs (6) Batteries [R03 (AAA, Micro) 1.5V] Wireless remote control 1pc (7) Air-cleaning filters (4) Tapping screws (for installation board ø4 X 25mm) 5pcs (8) Insulation (#486 50 X 100 t3)

	Locally procured parts									
(a)	Sleeve (1pc)									
(b)	Sealing plate (1pc)									
(c)	c) Inclination plate (1pc)									
(d)	Putty									
(e)	Connecting cable									
(f)	Drain hose (extension hose)									
(g)	Piping cover (for insulation of connection piping)									
(h)	Clamp and screw (for finishing work)									
(i)	Electrical tape									

Tools for installation work							
Plus headed driver	Pipe cutter						
Knife	Hole core drill (65mm in diameter)						
Saw	Wrench key (Hexagon) [4mm]						
Tape measure	Flaring tool set*						
Torque wrench	Gas leak detector*						
(14.0-62.0N·m (1.4-6.2kgf·m))	Pipe bender						
Plier	Flare adjustment gauge						
* Designed specifically for R32 or R410A							

# 2. SELECTING INSTALLATION LOCATION

After getting customer's approval, select installation location according to following guidelines.

# 1. Indoor unit

- Where there is no obstruction to the airflow and where the cooled and heated air can be evenly distributed.

- evenly distributed.

  A solid place where the unit or the wall will not vibrate.

  A place where there will be enough space for servicing.

  (Where space mentioned on the right side can be secured.)

  Where it is easy to conduct wiring and piping work.

  A place where unit is not directly exposed to sunlight or street light.

  A place where it can be easily drained.

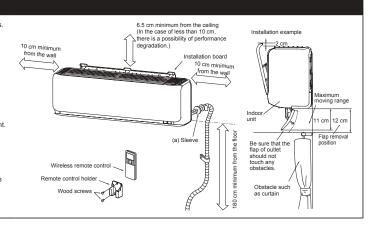
  A place separated at least 1m away from the television or the radio.

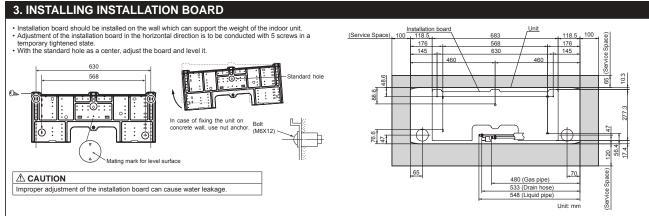
  (To prevent interference to images and sounds.)

- (10 prevent intererence to images and sounds.)
  A place where this unit is not affected by the high frequency equipment or electric equipment.
  Avoid installing this unit in place where there is much oil mist.
  A place where there is no electric equipment or household.
  Install the indoor unit on the wall where the height from the floor to the bottom of the unit is more than 180 cm.

# 2. Wireless remote control

- A place where the air-conditioner can receive the signal surely during operating the wireless remote control.
- A place where it is not affected by the TV, radio etc.
  Do not place where it is exposed to direct sunlight or near heat devices such as a stove.





# 4. DRILLING HOLE AND FIXTURE OF SLEEVE

When drilling the wall that contains a metal lath, wire lath or metal plate, be sure to use sealing plate, sleeve and inclination plate (Locally procured parts).

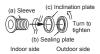


(1) Drill a hole with hole



(2) Cut sleeve to adjust to wall thickness. In case of rear piping draw out, cut off the lower and the right side portions of the sleeve collar

Cut



(3) Fix sealing plate, sleeve and inclination plate.



(4) After piping work, seal the hole in the wall with putty.

# **⚠ WARNING**

Completely seal the hole in the wall with putty. If not sealed properly, dust, insects, small animals, and highly humid air may enter the room from out-side, which could result in fire or other hazards.

# **⚠** CAUTION

Completely seal the hole in the wall with putty If not sealed properly, furniture and other fixtures may be damaged by water leakage or condensation.

# 5. ELECTRICAL WIRING WORK

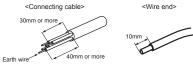
- Before installation, make sure that the power source complies with the air-conditioner's power specification Carry out electrical wiring work according to following guidelines.

# 1. Preparing cable

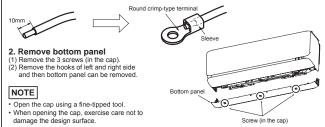
(1) Selecting cable
Select the connecting cable in accordance with the specifications mentioned below.
4-core\* 1.5mm² conformed with 60245 IEC57
\* 1 Earth wire is included (Yellow/Green).

(2) Arrange each wire length as shown below.

Make sure that each wire is stripped 10mm from the end.



(3) Attach round crimp-type terminal to each wire as shown in the below.
Select the size of round crimp-type terminal after considering the specifications of terminal block and wire diameter.

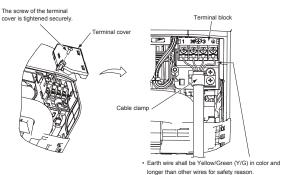


# 3. Connecting cable

- (2) Remove the cable clamp.
  (3) Connect the connecting wires to the terminal block.
  (4) Fix the connecting cable by cable clamp.
  (5) Fix the terminal cover.

# NOTE

Take care not to confuse the terminal numbers for indoor and outdoor connections.

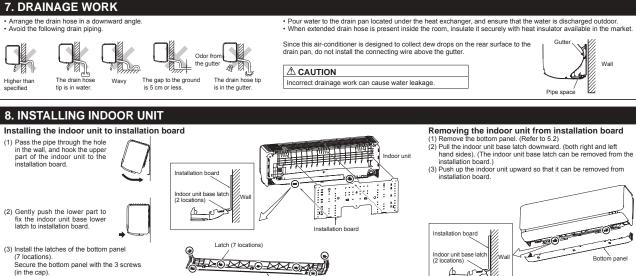


**⚠ WARNING** 

Incorrect wiring connection can cause malfunction or fire.

# 6. FORMING PIPING AND DRAIN HOSE 1. Forming piping Piping is possible in the right, rear, downward, left, left rear or left downward direction Taping of the exterior Tape only the portion that goes through the wall. Always tape the wiring Forming of pipings • Hold the bottom of the NOTE piping and fix direction before stretching it Sufficient care must be taken not to damage the panels when connecting pipes. and shaping it. with the piping. 2. Drain change procedures Remove the screw and drain nose. Remove the drain cap by hand or pilers. Insert the drain cap which was removed at procedure (2) securely using a hexagonal wrench etc. Install the drain hose and screw securely. Left dov (1) (2) (3) Left hand side piping Right hand side piping Piping in the left rear direction Piping in the right rear direction **⚠** CAUTION

Piping in the right di



# 9. CONNECTING PIPING WORK

# 1. Preparation of connecting pipe

Piping in the left direction

1.1. Selecting connecting pipe
Select connecting pipe according to the following table.

0	•	•
	Model SRK20/25/35	Model SRK50/60
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 O-type (Phosphorus deoxidized seamless copper pipe ICS 23.040.15, ICS 77.150.30).

# 1.2. 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.

# 2. Piping work

# 2.1. Flaring pipe

- 2.1. Haring pipe
  (1) Take out flare nuts from the service valves of indoor unit and engage them onto connecting pipes.
  (2) 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 measurement of protrusion B with a flare adjustment page.

	55-		
	Copper pipe outer diameter	A_0.4	
l i II	ø6.35	9.1	
	ø9.52	13.2	
1   11	ø12.7	16.6	



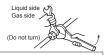
	Copper pipe	Rigid (clutch) type				
	outer diameter	R32 or R410A	Conventional			
	ø6.35					
2	ø9.52	0-0.5	1.0-1.5			
	ø12.7					

# 2.2 Connecting pipes

Connecting pipes
 Onnect pipes on both liquid and gas sides.
 Tighten nuts to specified torque shown in the table below

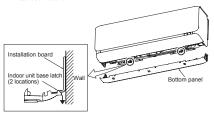
Service valve size (mm) Tightening torque (N·m)





# **⚠** 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



 Heating and condensation prevention
 Dress the connecting pipes (both liquid and gas pipes) with insulation to prevent it from heating and Use the heat insulating material which can withstand 120°C or higher temperature. Make sure that insu-

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.

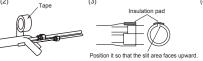
(2) Wrap the refrigerant pipings of indoor unit with indoor unit heat insulation using tape.

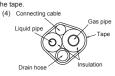
(3) Cover the flare-connected joints (indoor side) with the indoor unit heat insulation and wrap it with an insulation gad (standard accessory provided with indoor unit).

(4) Wrap the connecting pipes, connecting cable and drain hose with the tape.

(2) (3)

Incorrect installation of drain hose and cap can cause water leakage





ã√O

Pipe assembly

# NOTE

Locations where relative humidity exceeds 70%, both liquid and gas pipes need to be dressed with 20mm or thicker heat insulation materials.

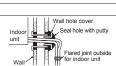
# **⚠** CAUTION

Improper insulation can cause condensate(water) formation during cooling operation. 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.

(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.

(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 is not installed properly, resulting in unit malfunction and failure.



# **⚠ WARNING** (only for R32) To avoid the risk of fire or explosion, the flared connection

must/shall be installed outdoors.

Reusable mechanical connectors and flared joints are not allowed indoors.

# **⚠** CAUTION

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.

# 10. HOW TO OPEN, CLOSE, REMOVE AND INSTALL THE AIR INLET PANEL

1. Open
Pull the air inlet panel at both ends of lower part and release latches, then pull up the panel until

you feel resistance. (The panel stops at approx. 60° open position)

2. Close
Hold the panel at both ends of lower part, lower it downward slowly, then push it slightly until the latch works.

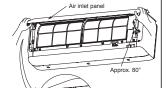
3. Removing
Open the panel by 80° (as shown in the right illustration) and then pull it forward.

# 4. Installing

Insert the panel arm into the slot on the front panel from the position shown in right illustration, hold the panel at both ends of lower part, lower it downward slowly, then push it slightly until the latch works.

# NOTE

When carrying out maintenance, handle the air inlet panel with care.



# 13. 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 wireless remote control.

# Setting one wireless remote control

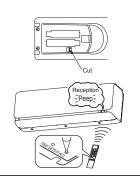
- (1) Slide and take out the cover and batt (2) Cut the switching line next to the battery with wire cutters
- (3) Set the batteries and cover again.

# Setting one indoor unit

- (1) Turn off the power source and turn it on after 1 minute.
- minute.
  (2) Send the signal by pressing the ACL switch on the wireless remote control that was set according to the procedure described on the above side.
  (3) Check that the reception buzzer sound "Peep" is emitted from the indoor unit. Since the signal is sent about 6 seconds after the ACL switch is pressed, point the wireless remote control to the indoor unit for a while.



If no reception buzzer is emitted, restart the setting from the beginning.

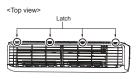


# 11. HOW TO REMOVE AND INSTALL THE SIDE AND FRONT PANEL

# 1. Side panel (R/L)

- 1.1. Removing
  (1) Remove the 2 screws
- (1) Remove the 2 screws.
  (2) Remove the 3 latches and then side panel can be removed.
  1.2. Installing
  (1) Cover the unit with the side panel and fix 3

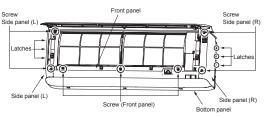
- latches.
  (2) Secure the side panel with the 2 screws.



# 2. Front panel

- 2. From panel
  2. 1. Removing
  (1) Remove the side panel (R/L), the air inlet panel, the air filters and the bottom panel.
  (2) Remove the 3 screws.
  (3) Remove the 4 upper latches and then front panel can be removed.

- 2.2. Installing(1) Cover the unit with the front panel and fix 4 upper latches.
- (2) Secure the front panel with the 3 screws.
  (3) Install the bottom panel, the side panel
  (R/L), the air inlet panel and the air filters.



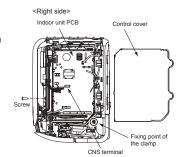
# 14. TERMINAL CONNECTION FOR AN INTERFACE

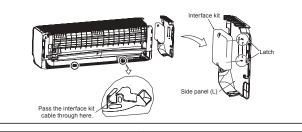
To install wired remote control, superlink etc., interface kit is needed.

- (1) Remove the air inlet panel, bottom panel and side panel (R).(2) Remove the control cover. (Remove the
- screw.)
  (3) There is a terminal (respectively marked with CNS) for the indoor control board. While connecting an interface, connect to the respective terminal securely with the connection harness supplied with an option "Interface kit SC-BIKN-E and SC-BIKN2-E" and fasten

the connection harness onto the indoor control box with the clamp and screw supplied with the kit.
(4) Hook to fix the interface kit to the 2

latches on side panel (L).
For more details, refer to the user's manual of "Interface kit SC-BIKN-E and SC-BIKN2-F"





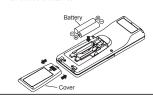
# 12. INSTALLING WIRELESS REMOTE CONTROL

# Mount the batteries

- (1) Slide and take out the cover of backside.
  (2) Mount the batteries [R03 (AAA, Micro),
  ×2 pieces] in the body properly.
  (Fit he poles with the indication marks + & -)
  (3) Set the cover again.

NOTE

- Do not use new and old batteries together.
   In case the unit is not operated for a long time take out the batteries



# Wood screws ø3.5 X 16

Installing remote control holder
(1) Select the place where the unit can receive

(2) Fix the holder to pillar or wall with wood

# 15. PUMP DOWN WORK

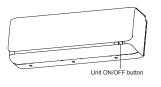
For the environmental protection, be sure to pump down when relocating or disposing of the unit. Pump down is the method of recovering refrigerant from the indoor unit to the outdoor unit before the connecting pipes are removed from the unit. When pump down is carried out, forced cooling operation is needed.

# Forced cooling operation

- (1) Turn off the power source and turn it on again after 1 minute. The air inlet panel
- and flap open and close.

  (2) After the air inlet panel closes, press the ON/OFF button continuously for at least 5 seconds. Then operation will start.

For the detail of pump down, refer to the installation manual of outdoor unit.



# 16. INSTALLATION CHECK AND TEST RUN

After finishing the installation work, check the following points again before turning on the power. Conduct a test run and ensure that the unit operates properly. At the same time, explain to the customer how to use the unit and how to take care of the unit following the user's manual.

# Before test run

ck following points

before test full, effect following points.	
Power source voltage complies with the rated voltage of air-conditioner.	
Earth leakage breaker and circuit breaker are installed.	
Power cable and connecting cable are securely fixed to the terminal block.	
Both liquid and gas service valves are fully open.	
No gas leaks from the joints of the service valves.	
Indoor and outdoor side pipe joints have been insulated.	
Hole on the wall is completely sealed with putty.	
Drain hose and cap are installed properly.	
Screw of the terminal cover is tightened securely.	

# Test run

heck following points during test run.

Indoor unit receives signal of wireless remote control.	
Air-conditioning operation is normal.	
There is no abnormal noise.	
Water drains out smoothly.	
Display of wireless remote control is normal.	

ator toot run	
Explain the operating and maintenance methods to the user according to the user's manual.	
Keep this installation manual together with user's manual.	

During restart or change in operation mode, the unit will not start operating for approximately 3 minutes. This is to protect the unit and it is not malfunction.

# (2) Installation of outoor unit

RWC012A063B ⚠

Model SRC20.25.35.40.50.60ZSX-W SRC20.25.35ZSX-WA R32 REFRIGERANT USED

• This installation manual deals with an outdoor unit installation only. For an indoor unit installation, refer to page 52.

# SAFETY PRECAUTIONS

# **⚠ WARNING**

- etc., it can malfunction.

- and removed.

  If air enters the refrigerant circuit, the pressure in the refrigerant circuit will become too high, which •
- Be sure to connect both liquid and gas connecting pipes properly before op-
- Be sure to connect both liquid and gas connecting pipes properly before operating the compressor.

  Do not open the liquid and gas operation valves before completing piping work, and evacuation.

  If the compressor is operated when connecting pipes are not connected and operation valves are open, air can be sucked into the refrigerant circuit which can cause anomalous high pressure resulting in burst or personal injury.

  Be sure to tighten the flare nuts to specified torque using the torque wench.

  Tightaping flare nuts with everse bronus can cause burst and refrigerant leakage after a long period.
- Tightening flare nuts with excess torque can cause burst and refrigerant leakage after a long period

- tion work in order to protect yourself.

  The precautionary items mentioned below are distinguished into two levels, AWARNING and AWARNING Indicates a potentially hazardous situation which, if not avoided, can result in personal injury or property damage.

  Be sure to confirm no operation problem on the equipment after completing the installation. If unusual noise can be heard during the test run, consult the dealer.

  Be sure to explain the operating methods as well as the maintenance methods of this equipment to the user annual.

  Be sure to explain the operating methods as well as the maintenance methods of this equipment to the user annual.

  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.

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

- 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 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.
- sonal 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

- Install the unit in a location where unit will remain stable, nonzontal and free of any vibration transmission.

  Unsuitable installation location can cause the unit to fall resulting in material damage and personal injury.

  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.

- entrapment, our or electric snock.

  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
- an 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.

- - 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 resulting in burst or personal injury.

    In the event of refrigerant leakage during installation, be sure to ventilate the working area properly.
- working area properly.

  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 accordance 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-
- pacities are installed.

  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, mainte-
- Be sure to switch off the power source in the event of installation, maintenance 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 cables 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 plugs.

  Improper power cable or power plug can cause fire or electric shock due to poor connection, insufficient insulation or over-current.

  Do not perform any change in protective device or its setup condition yourself.

- 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.
   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 circuit 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.

- 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.

# ♠ CAUTION

- 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
- 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 falling from the height.

  Do not install the unit near the location where neighbours are bothered by
- 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.
  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.
- 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.
  Chemical substances like ammonia (organic fertilizer), calcium chloride (snow melting agent) and acid (sulfurous 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.
  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.

- Do not put anything on the outdoor unit.

  Object may fall causing property damage or personal injury.
- Do not touch the aluminum fin of the outdoor unit.

  Aluminium fin temperature is high during heating operation. Touching fin can cause burn.
- Do not touch any refrigerant pipe with your hands when the system is in operation. During operation the refrigerant pipes become extremely hot or extremely cold depending on the operating condition. Touching pipes can cause personal injury like burn (hot/cold). Install isolator or disconnect switch on the power source wiring in accordance with the local codes and regulations.

  The isolator should be locked in OFF state in accordance with EN60204-1.

# 1. ACCESSORIES AND TOOLS Tools for installation work Q'ty Locally procured parts (Supplied with outdoor unit) Anchor bolt(M10-M12)×4 pcs 4 Plus headed driver Spanner wrench /acuum pump (1) Drain grommet @ Putty Knife Torque wrench [14.0-62.0N•m(1.4-6.2kgf•m) Sauge manifold (2) Drain elbow (c) Electrical tape Wrench key (Hexagon) [4mm] Saw harge hose ' Not included for SRC20, 25, or 35ZSX-WA (d) Connecting pipe /acuum pump adapte Flaring tool set \* Tape measure Connecting cable Anti-reverse flow type) Flare adjustment gauge (f) Power cable Gas leak detecto (g) Clamp and screw (for finishing work) Designed specifically for R32 or R410A

# 2. OUTDOOR UNIT INSTALLATION

# Note as a unit designed for R32

- 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

- 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 heavier

A person carrying the right hand side must take care of this fact. A person 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.



# **⚠** CAUTION

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 suitable 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.

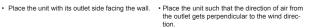
  No TV set or radio receiver is placed within 1m.

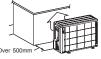
  Unit is not affected by electromagnetic waves and/or high-harmonic waves generated by other equip-
- ments.
- Strong wind does not blow against the unit outlet.
   Heavy snowfalls do not occur (If installed, provide proper protection to avoid snow accumulation).

# 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

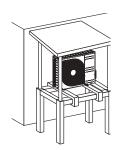






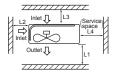
# (2) Location of snow accumulation

- 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



# 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.



IV
180
pen
80
pen

# NOTE

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 accessories 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.

<SRC20/25/35/40/50/60ZSX-W>



Do not put a grommet on this hole. This is a supplementary drain hole to discharge drain water, when a large amount of it is gathered.

# **⚠** 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.)

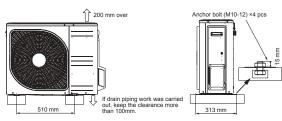
<SRC20/25/35ZSX-WA



Do not block the drain holes when installing the outdoor unit.

# 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.



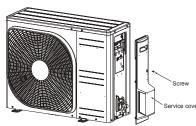
# **△** CAUTION

- 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

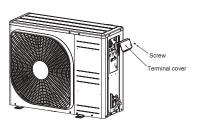
# Removing service cover

w. Slide service cover downwards and remove it.



# 2. Removing terminal cover

and take out terminal cover



# 4. CONNECTING PIPING WORK

# 1. Restrictions on unit installation

Abide by the following restrictions on unit installation

Improper installation can cause compressor failure or performance degradation

	Dimensional restrictions	
	Model SRC20/25/35	Model SRC40/50/60
Connecting pipe length(L)	25m or less	30m or less
Elevation difference between indoor and outdoor units(H)*	15m or less	20m or less



\* 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

Ociect connecting pipe according to the following table.		
	Model SRC20/25/35	Model SRC40/50/60
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 O-type (Phosphorus deoxidized seamless copper pipe ICS 23.040.15, ICS 77.150.30).

# NOTE

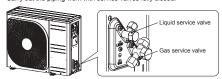
If it is required to reuse the existing connecting pipe system, refer to 5. UTILIZATION OF EXISTING PIPE.

# 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.



16.6

3.1. Haring pipe

(1) Take out flare nuts from the service valves of outdoor unit and engage them one can

(2) 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 measurement of protrusion B with a flare adjustment gauge.

naring tools can also be used by adjusting t			
	Copper pipe outer diameter	A _0.4	
	ø6.35	9.1	
lil l	ø9.52	13.2	"
1 ; 11	40.7	40.0	1

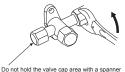


Co	Copper pipe	Rigid (clutch) type	
	er diameter	R32 or R410A	Conventional
	ø6.35		
	ø9.52	0-0.5	1.0-1.5
	ø12.7		

3.2. Connecting pipes(1) Connect pipes on both liquid and gas sides.(2) Tighten nuts to specified torque shown in the table below.

ø12.7

( ) 3		
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	
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

- (1) Connect vacuum pump to gauge manifold. Connect charge hose of gauge manifold to service port of outdoor unit.
- or outdoor unit.

  (2) Run the vacuum pump for at least one hour after the vacuum gauge shows -0.1MPa (-76cm 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 severe heave.

- (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
- valve.

  Close it after 5 seconds, and check for gas leakage.

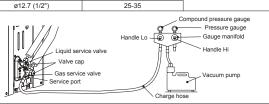
  Using soapy water, check for gas leakage from indoor unit's flare and outdoor unit's flare and valve rods.

  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) Tighten service valve caps and service port cap to the specified torque shown in the table below.

, <b>3</b>			
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		



# **⚠** 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

**5.1 Calculating additional refrigerant charge**Additional refrigerant charge can be calculated using the formula given below.
Additional refrigerant charge (g) = { Connecting pipe length (m) – Factory charged length 15 (m) } x 20 (g/m)

# 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.
- The maximum refrigerant charge amount is designed as shown in the table below.

	Model SRC 20/25/35	Model SRC40/50/60
The factory refrigerant charge amount(kg)	1.20	1.30
The maximum refrigerant charge amount(kg)	1.40	1.60

- 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.

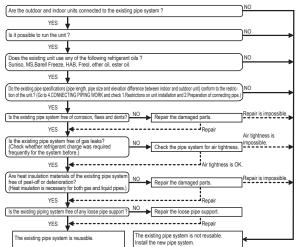
  (3) Write the additional refrigerant charge calculated from the connecting pipe length on the label attached on the service cover.

# **⚠** 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

# 5. UTILIZATION OF EXISTING PIPE

(1) Check whether an existing pipe system is reusable or not by using the following flow chart.



# NOTE

- · Consult with our distributor in the area, if you need to recover refrigerant and charge it again.
- Consult with our distributor in the area, if you need to recover refrigerant 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' 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 carry out pump 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 pipe system or install a new 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.

# **⚠** CAUTION

- 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. (SRC40,50 and 60 only)

<Table of pipe size restrictions

Additional charge volume per meter of pipe		0.054kg/m
Pipe size	Liquid pipe	ø9.52
	Gas pipe	ø12.7
Maximum one-way pipe length		10
Length covered 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)

#