Manual No. '22 • SRK-T-358



TECHNICAL MANUAL

INVERTER WALL MOUNTED TYPE RESIDENTIAL AIR-CONDITIONERS

Wi-Fi model

(Split system, air to air heat pump type)

SRK20ZSX-WF, -WFB, -WFT/SRC20ZSX-W SRK25ZSX-WF, -WFB, -WFT/SRC25ZSX-W SRK35ZSX-WF, -WFB, -WFT/SRC35ZSX-W SRK50ZSX-WF, -WFB, -WFT/SRC50ZSX-W, -W1, -W2 SRK60ZSX-WF, -WFB, -WFT/SRC60ZSX-W, -W1

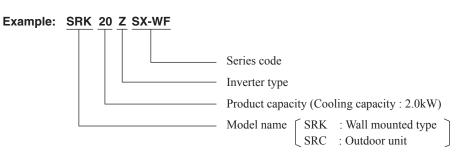
MITSUBISHI HEAVY INDUSTRIES THERMAL SYSTEMS, LTD.

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How to read the model name



Note(1) In -WFB, -WFT, all except for the color is the same specification as all -WF.

1. SPECIFICATIONS

			_	Model	<u> </u>		SRK202	
Item					Inc	door unit SRK2		Outdoor unit SRC20ZSX-W
Power sourc	1			<u> </u>	ļ	1	,	/, 50Hz / 220V, 60Hz
	Nominal cooling cap	acity (range)		kW			2.0 (0.9(Min.) - 3.4 (Max.))
	Nominal heating cap	acity (range)		kW			2.7 (0.8(Min.)) - 5.5 (Max.))
	Heating capacity (H2	2)		kW			-	-
			Cooling				0.31 (0.1	6 - 0.76)
	Power consumption	F	Heating	1			0.47 (0.1	,
		H	Heating (H2)	kW				-
	Max nower concurry		riedding (riz)				1.9	-
	Max power consump		0 1					
	Running current	Ļ	Cooling				1.9 / 1.8 / 1.7 (2	,
	· · · · · · · · · · · · · · · · · · ·		Heating	A			2.6 / 2.5 / 2.4 (2	20/ 230/ 240 V)
Operation	Inrush current, max	current					2.5 N	lax. 9
lata			Cooling				7	6
	Power factor	ŀ	Heating	%			8	1
	EER		Cooling		1		6.4	
	COP	ŀ	Heating				5.	74
			Heating (H2)				-	-
	Sound power level		Cooling			53		56
			Heating			55		58
			Cooling	dB(A)	Hi: 3	8 Me: 31 Lo: 2	24 ULo: 19	43
	Sound pressure leve	9	Heating			8 Me: 33 Lo: 2		45
	Silent mode sound p		0	ł				Cooling:33 / Heating:38
vtorior dim	ensions (Height x Widt		•	mm		305 x 920 x	220	640 x 800(+71) x 290
		u v Dehili)		mm				
Exterior app					N.A	Fine snov		Stucco white
Equivalent of	color)			<u> </u>	Munsel	I: (8.0Y 9.3/0.1), KAL : 9003	Munsell : (4.2Y 7.5/1.1), RAL : 7004
let weight				kg		13		43.0
Compressor	r type & Quantity					-		RMT5111SWE3(Twin rotary type) x 1
Compressor	motor (Starting metho	od)		kW		-		0.75 (Inverter driven)
Refrigerant of	pil (Amount, type)			L		_		0.35 (DIAMOND FREEZE MB75)
0	Type, amount, pre-cha	arae lenath)		kg		B32 1 20 in ou	itdoor unit (Incl. th	e amount for the piping of 15m)
		arge length)		Ng	Louise			
leat exchar	·				Louve	er fins & inner gro		M fins & inner grooved tubing
Refrigerant o								tronic expansion valve
an type & C	Quantity					Tangential far		Propeller fan x 1
an motor (S	Starting method)			W		42 x1 (Direct of	drive)	34 x1 (Direct drive)
			Cooling	3	Hi: 11.3	8 Me: 9.1 Lo:	6.0 ULo: 5.0	31.0
Air flow		ľ	Heating	m³/min	Hi: 12.2	2 Me: 10.3 Lo:	72 Ulo:54	31.0
wailable ex	ternal static pressure	1		Pa		0		0
				1 a		-	le.	
Dutside air i						Not possib		_
	ality / Quantity					ropylene net (W	,	
Shock & vib	ration absorber				Rul	bber sleeve (for	fan motor)	Rubber sleeve (for fan motor & compress
Electric heat	ter					-		-
	Remote control						Wireless ren	note control
Operation	Room temperature of	control					Microcomput	er thermostat
controlt	Operation display					BI		: Yellow , ECO: Blue
	Operation display						,	,
Safety equip	oments					tion, Overcurrent protection, action, Indoor fan motor error protection, ure control), Cooling overload protection		
					i	iquid line: + 6.2		ie control), cooming cronoda protocian
	Refrigerant piping si	ze (O.D)		mm		iquiu iirie. m n n	5 (1/4")	<i>"</i> , ° 1
	Refrigerant piping size	ze (O.D)		mm	L	1 1	5(1/4") tion	Gas line: <i>φ</i> 9.52 (3/8")
	Connecting method	. ,				Flare connec	tion	Gas line: ϕ 9.52 (3/8") Flare connection
nstallation	Connecting method Attached length of p	. ,		mm m		Flare connec d line : 0.55 / Ga	tion as line : 0.48	Gas line: φ 9.52 (3/8") Flare connection -
	Connecting method Attached length of p Insulation for piping	iping		m		Flare connec d line : 0.55 / Ga	tion as line : 0.48 Jecessary (Both s	Gas line: ϕ 9.52 (3/8") Flare connection ides), independent
	Connecting method Attached length of p Insulation for piping Refrigerant line (one	iping way) length				Flare connec d line : 0.55 / Ga N	tion as line : 0.48 Necessary (Both s Max	Gas line: ϕ 9.52 (3/8") Flare connection ides), independent c.25
	Connecting method Attached length of p Insulation for piping	iping way) length	and I/U	m		Flare connec d line : 0.55 / Ga N	tion as line : 0.48 Necessary (Both s Max	Gas line: ϕ 9.52 (3/8") Flare connection ides), independent
	Connecting method Attached length of p Insulation for piping Refrigerant line (one	iping way) length	and I/U	m m	Liqui	Flare connec d line : 0.55 / Ga N	tion as line : 0.48 Jecessary (Both s Max por unit is higher)	Gas line: ϕ 9.52 (3/8") Flare connection ides), independent c.25
lata	Connecting method Attached length of p Insulation for piping Refrigerant line (one Vertical height diff. b	iping way) length	and I/U	m m	Liqui	Flare connec d line : 0.55 / Ga Max.15 (Outdo	tion as line : 0.48 Jecessary (Both s Max por unit is higher)	Gas line: ϕ 9.52 (3/8") Flare connection
lata Drain pump,	Connecting method Attached length of p Insulation for piping Refrigerant line (one Vertical height diff. b Drain hose max lift height	iping way) length	and I/U	m m m m	Liqui	Flare connec d line : 0.55 / Ga Max.15 (Outdo pse connectable	tion as line : 0.48 Vecessary (Both s Max por unit is higher) (VP 16)	Gas line: ϕ 9.52 (3/8") Flare connection
lata Drain pump, Recommenc	Connecting method Attached length of p Insulation for piping Refrigerant line (one Vertical height diff. b Drain hose max lift height ded breaker size	iping way) length	and I/U	m m m m Mm	Liqui	Flare connec d line : 0.55 / Ga Max.15 (Outdo pse connectable	tion as line : 0.48 Vecessary (Both s Max por unit is higher) a (VP 16) 1	Gas line: ϕ 9.52 (3/8") Flare connection
lata Drain pump, Recommend R.A. (Lock	Connecting method Attached length of p Insulation for piping Refrigerant line (one Vertical height diff. b Drain hose max lift height ded breaker size ed rotor ampere)	iping way) length ietween O/U		m m m m	Liqui	Flare connec d line : 0.55 / Ga Max.15 (Outdo ose connectable —	tion as line : 0.48 Vecessary (Both s Max por unit is higher) a (VP 16) 1 2	Gas line: ϕ 9.52 (3/8") Flare connection
Prain pump, Recommend R.A. (Lock hterconnect	Connecting method Attached length of p Insulation for piping Refrigerant line (one Vertical height diff. b Drain hose max lift height ded breaker size ed rotor ampere)	iping way) length		m m m m Mm	Liqui	Flare connec d line : 0.55 / Ga Max.15 (Outdo ose connectable — m ² x 4 cores (In	tion as line : 0.48 Vecessary (Both s Max por unit is higher) a (VP 16) 1 2	Gas line: ϕ 9.52 (3/8") Flare connection
ata Prain pump, lecommeno .R.A. (Lock hterconnect P number	Connecting method Attached length of p Insulation for piping Refrigerant line (one Vertical height diff. b Drain hose max lift height ded breaker size ed rotor ampere) ting wires	iping way) length ietween O/U		m m m m Mm	Liqui	Flare connec d line : 0.55 / Ga Max.15 (Outdo ose connectable — m ² x 4 cores (In IPX0	tion as line : 0.48 Vecessary (Both s May por unit is higher) (VP 16) 1 2 ucluding earth cabl	Gas line: ϕ 9.52 (3/8") Flare connection
Prain pump, Recommend .R.A. (Lock hterconnect P number	Connecting method Attached length of p Insulation for piping Refrigerant line (one Vertical height diff. b Drain hose max lift height ded breaker size ed rotor ampere)	iping way) length ietween O/U		m m m m Mm	Liqui	Flare connec d line : 0.55 / Ga Max.15 (Outdo ose connectable — m ² x 4 cores (In IPX0 Standard equip	tion as line : 0.48 Vecessary (Both s Max por unit is higher) (VP 16) 1 (VP 16) 1 2. ucluding earth cabl poment	Gas line: ϕ 9.52 (3/8") Flare connection
Prain pump, Recommend .R.A. (Lock nterconnect P number Vireless LAI	Connecting method Attached length of p Insulation for piping Refrigerant line (one Vertical height diff. b Drain hose max lift height ded breaker size ed rotor ampere) ting wires Size	iping way) length ietween O/U		m m m m Mm	Liqui	Flare connec d line : 0.55 / Ga Max.15 (Outdo ose connectable — m ² x 4 cores (In IPX0 Standard equip	tion as line : 0.48 Vecessary (Both s Max por unit is higher) (VP 16) 1 (VP 16) 1 2. ucluding earth cabl poment	Gas line: ϕ 9.52 (3/8") Flare connection
Drain pump, Recommenc R.A. (Lock nterconnect P number Vireless LAI Standard ac	Connecting method Attached length of p Insulation for piping Refrigerant line (one Vertical height diff. b Drain hose max lift height ded breaker size ed rotor ampere) ting wires Size N connecting cessories	iping way) length ietween O/U		m m m m Mm	Liqui Ha 1.5m Mounting	Flare connec d line : 0.55 / Ga Max.15 (Outdo ose connectable — m ² x 4 cores (In IPX0 Standard equip	tion as line : 0.48 Necessary (Both s Max bor unit is higher) (VP 16) 1 2. cluding earth cabl coment llergen clear filter x 1 BIKN2-E)	Gas line: ϕ 9.52 (3/8") Flare connection
Recommend R.A. (Lock nterconnect P number Wireless LAR Standard ac Dption parts	Connecting method Attached length of p Insulation for piping Refrigerant line (one Vertical height diff. b Drain hose max lift height ded breaker size ed rotor ampere) ting wires Size N connecting cessories	iping way) length retween O/U	iber	m m m A A	Liqui Ha 1.5m Mounting	Flare connect d line : 0.55 / Ga Max.15 (Outdo ose connectable — m ² x 4 cores (Im IPX0 Standard equip kit, Clean filter (A terface kit (SC-F	tion as line : 0.48 Necessary (Both s Max bor unit is higher) (VP 16) 1 2. cluding earth cabl coment llergen clear filter x 1 BIKN2-E)	Gas line: ϕ 9.52 (3/8") Flare connection
Prain pump, Recommenc .R.A. (Lock hterconnect P number Vireless LAP tandard ac Option parts	Connecting method Attached length of p Insulation for piping Refrigerant line (one Vertical height diff. b Drain hose max lift height ded breaker size ed rotor ampere) ting wires Size N connecting cessories	iping way) length etween O/U e x Core num	iber	m m m A A A	Liqui Ha 1.5m Mounting	Flare connect d line : 0.55 / Ga Max.15 (Outdo ose connectable 	tion as line : 0.48 Necessary (Both s Max por unit is higher) (VP 16) 1 2. Including earth cabl poment Ilergen clear filter x 1 BIKN2-E) Wireless LAN) The pipe let	Gas line: ϕ 9.52 (3/8") Flare connection
Iata Drain pump, Recommenc R.A. (Lock nterconnect P number Vireless LAI Standard ac Option parts Notes (1) T	Connecting method Attached length of p Insulation for piping Refrigerant line (one Vertical height diff. b Drain hose max lift height Jed breaker size ed rotor ampere) ting wires Size N connecting cessories he data are measured	iping way) length etween O/U e x Core num	iber wing condition	m m m A A A	Liqui Ho 1.5m Mounting Int (Canno	Flare connect d line : 0.55 / Ga Max.15 (Outdo ose connectable 	tion as line : 0.48 Vecessary (Both s Max por unit is higher) (VP 16) 1 2 cluding earth cabl poment llergen clear filter x 1 BIKN2-E) Wireless LAN)	Gas line: ϕ 9.52 (3/8") Flare connection
Iata Drain pump, Recommenc R.A. (Lock nterconnect P number Vireless LAI Standard ac Option parts Notes (1) T	Connecting method Attached length of p Insulation for piping Refrigerant line (one Vertical height diff. b Drain hose max lift height ded breaker size ed rotor ampere) ting wires Size N connecting cessories he data are measured litem	iping way) length netween O/U e x Core num d at the follo Indoor air DB	wing condition temperature WB	m m m A A A	Liqui Liqui Hounting Mounting Int (Canno Dutdoor air t DB	Flare connect d line : 0.55 / Ga Max.15 (Outdo ose connectable m ² x 4 cores (In IPX0 Standard equip kit, Clean filter (A terface kit (SC-F ot be used with V emperature WB	tion as line : 0.48 Vecessary (Both s Max bor unit is higher) (VP 16) 1 (VP 16) 1 2 cluding earth cabl bornent lilergen clear filter x 1 3IKN2-E) Wireless LAN) The pipe lear Standards	Gas line: ϕ 9.52 (3/8") Flare connection
data Drain pump, Recommenc R.A. (Lock nterconnect P number Vireless LAI Standard ac Dption parts Notes (1) T	Connecting method Attached length of p Insulation for piping Refrigerant line (one Vertical height diff. b Drain hose max lift height ded breaker size ed rotor ampere) ting wires Size N connecting cessories he data are measured Item Cooling	iping way) length netween O/U a x Core num d at the follo Indoor air DB 27°C	wing condition temperature WB 19°C	m m m A A A	Liqui Liqui Ha 1.5m Mounting Int (Canno Dutdoor air t DB 35°C	Flare connect d line : 0.55 / Ga Max.15 (Outdo ose connectable — m ² x 4 cores (In IPX0 Standard equip kit, Clean filter (A standard equip kit, Clean filter (A emperature WB 24°C	tion as line : 0.48 Vecessary (Both s Max bor unit is higher) (VP 16) 1 2 cluding earth cabl bornent llergen clear filter x 1 BIKN2-E) Wireless LAN) The pipe ler Standards ISO5151-T	Gas line: ϕ 9.52 (3/8") Flare connection — ides), independent (.25 / Max.15 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. — 6 5 e) / Terminal block (Screw fixing type) IPX4 — , Photocatalytic washable deodorizing filter x — ngth is 5m. 3 1
Iata Drain pump, Recommenc R.A. (Lock nterconnect P number Vireless LAI Standard ac Option parts Notes (1) T	Connecting method Attached length of p Insulation for piping Refrigerant line (one Vertical height diff. b Drain hose max lift height ded breaker size ed rotor ampere) ting wires Size N connecting cessories he data are measured litem	iping way) length netween O/U e x Core num d at the follo Indoor air DB	wing condition temperature WB	m m m A A A	Liqui Liqui Hounting Mounting Int (Canno Dutdoor air t DB	Flare connect d line : 0.55 / Ga Max.15 (Outdo ose connectable m ² x 4 cores (In IPX0 Standard equip kit, Clean filter (A terface kit (SC-F ot be used with V emperature WB	tion as line : 0.48 Vecessary (Both s Max bor unit is higher) (VP 16) 1 (VP 16) 1 2 cluding earth cabl bornent lilergen clear filter x 1 3IKN2-E) Wireless LAN) The pipe lear Standards	Gas line: ϕ 9.52 (3/8") Flare connection

				Model			SRK252	
Item					In	door unit SRK2		Outdoor unit SRC25ZSX-W
Power sourc	,					1		/, 50Hz / 220V, 60Hz
	Nominal cooling ca	pacity (rang	ge)	kW			2.5 (0.9(Min.) - 3.8 (Max.))
	Nominal heating ca	pacity (rang	ge)	kW			3.2 (0.8(Min.) - 6.0 (Max.))
	Heating capacity (H	12)		kW			-	-
			Cooling				0.44 (0.1	6 - 0.91)
	Power consumption	n	Heating	1			0.59 (0.1	4 - 1.54)
			Heating (H2)	kW			-	_
	Max power consum	notion	J	1			1.9	92
			Cooling				2.5 / 2.4 / 2.3 (2	
	Running current		Heating	A			3.2 / 3.0 / 2.9 (2	
	Inruch ourront may	ourropt	Treating	1 ^				ax. 9
Operation lata	Inrush current, max	current						
lala	Power factor		Cooling	%				0
			Heating	ļ				5
	EER		Cooling	1				68
	COP		Heating				5.	42
	001		Heating (H2)				-	-
			Cooling			55		57
	Sound power level		Heating	1		56		58
			Cooling	dB(A)	Hi: 3	39 Me: 33 Lo:	25 ULo: 19	44
	Sound pressure lev	el	Heating		Hi: 4	0 Me: 34 Lo:	27 ULo: 19	45
	Silent mode sound	pressure le		1		_		Cooling:35 / Heating:39
xterior dim	ensions (Height x Wic	·		mm		305 x 920 x	220	640 x 800(+71) x 290
xterior app			,			Fine snov	-	Stucco white
Equivalent of					Munse	II: (8.0Y 9.3/0.		Munsell : (4.2Y 7.5/1.1), RAL : 7004
Vet weight				kg	11101130	13	,,	43.0
	type & Quantity			ĸġ		-		RMT5111SWE3(Twin rotary type) x 1
		a al)		kW				0.75 (Inverter driven)
	motor (Starting meth	00)				-		
~	oil (Amount, type)			L		-		0.35 (DIAMOND FREEZE MB75)
Refrigerant (Type, amount, pre-ch	arge length)	kg		R32 1.20 in o	utdoor unit (Incl. th	e amount for the piping of 15m)
leat exchan	iger				Louv	er fins & inner gr	ooved tubing	M fins & inner grooved tubing
Refrigerant o	control					Cap	oillary tubes + Elec	tronic expansion valve
an type & C	Quantity					Tangential fa	n x 1	Propeller fan x 1
an motor (S	Starting method)			W		42 x1 (Direct	drive)	34 x1 (Direct drive)
			Cooling	2	Hi: 12.	2 Me: 10.0 Lo	: 6.7 ULo: 5.0	31.0
ir flow			Heating	m³/min	Hi [.] 12	8 Me: 11.0 Lo	·78 ULO:54	31.0
vailable ext	ternal static pressure		Trouting	Pa		0	0201011	0
Outside air ir	· · · · · · · · · · · · · · · · · · ·			1 4		Not possik		
					Dolum	I		
	ality / Quantity					propylene net (V	,	-
	ration absorber				Ru Ru	bber sleeve (for	fan motor)	Rubber sleeve (for fan motor & compress
Electric heat						-		-
Operation	Remote control						Wireless rer	note control
ontrolt	Room temperature	control					Microcomput	er thermostat
ontion	Operation display					R	UN: Green , TIMEF	: Yellow , ECO: Blue
Safety equip	oments					protection, Seria	tion, Overcurrent protection, ection, Indoor fan motor error protection,	
	T			ļ		<u> </u>		ure control), Cooling overload protection
	Refrigerant piping s			mm	L	iquid line: ϕ 6.3	()	Gas line: <i>φ</i> 9.52 (3/8")
	Connecting method	ł				Flare connec	ction	Flare connection
a at all at!	Attached length of	piping		m	Liqu	id line : 0.55 / G	as line : 0.48	-
nstallation	Insulation for piping]				-	Necessary (Both s	ides), independent
ata	Refrigerant line (one		th	m	l		Max	
	Vertical height diff.			m		Max.15 (Outd		/ Max.15 (Outdoor unit is lower)
	Drain hose			1	н	ose connectable	σ,	Hole size ϕ 20 x 5 pcs.
)rain pump	max lift height			mm				-
1 11	ded breaker size			A			4	6
	ed rotor ampere)			A			3	
(/			<u> </u>	4.5	2	-	
nterconnect	ing wires Siz	e x Core ni	linber		1.5m	,	iciuding earth cabl	e) / Terminal block (Screw fixing type)
^o number						IPX0		IPX4
	N connecting					Standard equi		_
tandard ac					In	terface kit (SC-	BIKN2-E)	, Photocatalytic washable deodorizing filter x
· ·	he data are measure	d at the fo	llowing conditi		(Cann	ot be used with	,	
10185 (I) II							The pipe le	ngm is 5m.
	Item		air temperature	C		temperature	Standards	
Ope	eration	DB	WB		DB	WB		
	Cooling	27°C	19°C		35°C	24°C	ISO5151-T	1
		0000	_		7°C	0°0		H
	Heating	20°C			70	6°C	ISO5151-H	
	Heating Heating (H2)	20°C	-		2°C	60 1°C	ISO5151-H	

RWA000Z271 🛕

ltom				Model	,	door welt OF		ZSX-WF
Item					l Iu	door unit SRI		Outdoor unit SRC35ZSX-W
Power sourc				<u> </u>			,	V, 50Hz / 220V, 60Hz
	Nominal cooling c		,	kW				.) - 4.5 (Max.))
	Nominal heating c		e)	kW			4.3 (0.8(Min	.) - 6.8 (Max.))
	Heating capacity (H2)		kW				_
			Cooling	-				16 - 1.27)
	Power consumption	'n	Heating	kW			0.90(0.	14 - 1.87)
			Heating (H2)	-				-
	Max power consu	mption						.92
	Running current		Cooling				,	220/ 230/ 240 V)
			Heating	A			4.4 / 4.3 / 4.1 (2	220/ 230/ 240 V)
Operation	Inrush current, ma	x current					4.3 M	Max. 9
lata	Power factor		Cooling	- %			ç	91
	Power lactor		Heating	70			ç	92
	EER		Cooling				4	.73
	0.00		Heating	1			4	.78
	COP		Heating (H2)	1				_
			Cooling	1		58		61
	Sound power leve	1	Heating	1		58		62
			Cooling	dB(A)	Hi: 4		o: 26 ULo: 19	48
	Sound pressure le	vel	Heating				o: 28 ULo: 19	47
	Silent mode sound	nressure lou		1				Cooling:38 / Heating:43
xterior dim	ensions (Height x Wi			mm			x 220	640 x 800(+71) x 290
				<u> </u>				Stucco white
Exterior app Equivalent o					Munee	Fine sr	10W 0.1), RAL : 9003	Stucco white Munsell : (4.2Y 7.5/1.1), RAL : 7004
Vet weight				kg	- iviuiise	13	5.1 J, TAL . 3000	43.0
	type & Quantity			<u> </u>		-		RMT5111SWE3(Twin rotary type) x 1
	motor (Starting met			1.14/				0.90 (Inverter driven)
	· · · · ·	100)		kW				
•	pil (Amount, type)			L				0.35 (DIAMOND FREEZE MB75)
<u> </u>	Type, amount, pre-c	narge length)		kg				ne amount for the piping of 15m)
leat exchan	~			<u> </u>	Louv		grooved tubing	M fins & inner grooved tubing
Refrigerant o								tronic expansion valve
an type & C						Tangential	fan x 1	Propeller fan x 1
an motor (S	Starting method)			W		42 x1 (Dire	ct drive)	34 x1 (Direct drive)
Nir flow			Cooling	m³/min	Hi: 13.	1 Me: 10.8	Lo: 7.3 ULo: 5.0	36.0
Air flow			Heating	1	Hi: 13.	9 Me: 11.8	Lo: 8.6 ULo: 5.4	31.0
Available ext	ternal static pressure)		Pa		0		0
Outside air i	ntake			1		Not pos	sible	_
Air filter, Qua	ality / Quantity				Poly	propylene net	(Washable) x 2	_
	ration absorber			1		ubber sleeve (f	, ,	Rubber sleeve (for fan motor & compress
Electric heat				1		_		_
	Remote control						Wireless re	mote control
Operation	Room temperature	control						ter thermostat
controlt	Operation display			┼───			1	R: Yellow , ECO: Blue
	Operation display					-		
Safety equip	oments					protection, Se	erial signal error prot	ction, Overcurrent protection, ection, Indoor fan motor error protection, ure control), Cooling overload protection
	Refrigerant piping	, ,		mm	I	_iquid line: ϕ (()	Gas line: <i>φ</i> 9.52 (3/8")
	Connecting metho	d				Flare conr	nection	Flare connection
antolle ¹ ···	Attached length of	piping		m	Liqu	id line : 0.55 /	Gas line : 0.48	-
nstallation lata	Insulation for pipin	g					Necessary (Both	sides), independent
iala	Refrigerant line (or	ie way) length	1	m			Ma	x.25
	Vertical height diff.	., .		m		Max.15 (Ou	Itdoor unit is higher)	/ Max.15 (Outdoor unit is lower)
	Drain hose			1	H	lose connecta	, s	Hole size ϕ 20 x 5 pcs.
Drain pump.	max lift height			mm		_	. /	-
1 1 ?	led breaker size			A	1			16
	ed rotor ampere)			A				1.3
nterconnect	. ,	ize x Core nur	nher	<u> </u>	1.5n	$m^2 \times 4$ cores		le) / Terminal block (Screw fixing type)
P number				<u> </u>	1.30	IPX		IPX4
	V connecting			<u> </u>		Standard ec		IFA4 —
				───	Mountin			
					lr	nterface kit (S		1, Photocatalytic washable deodorizing filter x
		ed at the foll	owing condition	uns.			,	length is 5m.
Standard ac Option parts Notes (1) T	he data are measur				Outdoor air	temperature		
Option parts		Indoor ai	r temperature				— Standard	6
Dption parts Notes (1) T	he data are measur Item eration		r temperature WB	-	DB	WB	Stariuaru	5
Option parts Notes (1) T	Item	DB	WB		DB 35°C	WB 24°C		
Option parts Notes (1) T	eration Ltem Cooling	DB 27°C			35°C	24°C	ISO5151-	Г1
Dption parts Notes (1) T	Item	DB	WB 19°C					F1

				Model			SRK502	ZSX-WF
Item					Inc	door unit SRK		Outdoor unit SRC50ZSX-W(-W1,-W2)
Power sourc								/, 50Hz / 220V, 60Hz
	Nominal cooling capa		,	kW	L		5.0 (1.0(Min.	
	Nominal heating capa		e)	kW			6.0 (0.8(Min.) - 8.2 (Max.))
	Heating capacity (H2))		kW				-
	D		Cooling				1.24 (0.1	,
	Power consumption		Heating	kW			1.36 (0.2	20 - 2.46)
	Maxima		Heating (H2)				- 2.9	-
	Max power consump	tion	Casling				5.7 / 5.4 / 5.2 (2	
	Running current		Cooling Heating	A			6.2 / 6.0 / 5.7 (2	,
Dearation	Inrush current, max c		rieating				5.0 M	/
Operation lata	minusin current, max c		Cooling				9	
ata	Power factor		Heating	%			9	
	EER		Cooling				4.0	
			Heating				4.4	
	COP		Heating (H2)					
			Cooling			59	·,	63
	Sound power level		Heating	1		62		61
			Cooling	dB(A)	Hi: 4	4 Me: 39 Lo:	31 ULo: 22	51
	Sound pressure level	l.	Heating		Hi: 4	7 Me: 41 Lo:	33 ULo: 23	49
	Silent mode sound p	ressure lev						Cooling:42 / Heating:43
xterior dim	ensions (Height x Width			mm	[305 x 920 >	(220	640 x 800(+71) x 290
Exterior app		. ,			[Fine sno		Stucco white
Equivalent of					Munsel	II:(8.0Y 9.3/0	.1), RAL:9003	Munsell : (4.2Y 7.5/1.1), RAL : 7004
Vet weight				kg		13		45
	r type & Quantity					-		RMT5113SWE11(Twin rotary type) x
	r motor (Starting metho	d)		kW		-		1.50 (Inverter driven)
-	oil (Amount, type)			L	L	-		0.45 (DIAMOND FREEZE MB75)
	(Type, amount, pre-char	rge length)		kg	L			e amount for the piping of 15m)
leat exchar	·				Louve	er fins & inner g	÷	M fins & inner grooved tubing
Refrigerant o					ļ			tronic expansion valve
an type & C					L	Tangential fa		Propeller fan x 1
an motor (S	Starting method)			W	L	42 x1 (Direct	,	34 x1 (Direct drive)
Air flow			Cooling	m³/min			o: 7.8 ULo: 5.4	39.0
-			Heating		Hi: 17.3		o: 9.8 ULo: 6.2	33.0
	ternal static pressure			Pa		0		0
Dutside air i	0			ļļ		Not possi		—
	ality / Quantity					ropylene net (\	,	—
	ration absorber				Rut	bber sleeve (fo	r fan motor)	Rubber sleeve (for fan motor & compress
Electric heat							Wireless ren	
Operation	Remote control Room temperature co	ontrol	-					
ontrol4	Operation display	Shtroi						er thermostat R: Yellow , ECO: Blue
JUNITOIT			-	───┤	l			. Tellow, 200. Dide
					Heatin	protection, Ser	ial signal error prote tection(High pressu	tion, Overcurrent protection, action, Indoor fan motor error protection, ure control), Cooling overload protection
	ments Refrigerant piping siz	ie (O.D)		mm	Heatin	protection, Sering overload protection, Sering overload protection $\frac{1}{2}$	ial signal error prote tection(High pressu 35 (1/4")	ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 12.7 (1/2")
	Refrigerant piping siz Connecting method				Heatin	protection, Sering overload pro iquid line: ϕ 6. Flare conne	ial signal error prote tection(High pressu 35 (1/4") ection	ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 12.7 (1/2") Flare connection
Safety equip	Refrigerant piping siz Connecting method Attached length of pi			mm m	Heatin	protection, Ser ng overload pro iquid line: ϕ 6. Flare conne id line : 0.55 / G	ial signal error prote tection(High press 35 (1/4") ection Gas line : 0.48	ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 12.7 (1/2") Flare connection
Safety equip	Refrigerant piping siz Connecting method Attached length of pi Insulation for piping	iping		m	Heatin	protection, Ser ng overload pro iquid line: ϕ 6. Flare conne id line : 0.55 / G	ial signal error prote tection(High press 35 (1/4") ection Gas line : 0.48 Necessary (Both s	ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 12.7 (1/2") Flare connection — ides), independent
Safety equip	Refrigerant piping siz Connecting method Attached length of pi Insulation for piping Refrigerant line (one v	iping way) length		m m	Heatin	protection, Ser ng overload pro iquid line: ϕ 6. Flare conne id line : 0.55 / C	ial signal error prote tection(High press 35 (1/4") ection Bas line : 0.48 Necessary (Both s Max	ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 12.7 (1/2") Flare connection — ides), independent <.30
Safety equip	Refrigerant piping siz Connecting method Attached length of pi Insulation for piping Refrigerant line (one v Vertical height diff. be	iping way) length		m	Heatin Li Liquid	protection, Ser ng overload pro iquid line: ϕ 6. Flare conne id line : 0.55 / C Max.20 (Outo	ial signal error prote tection(High press 35 (1/4") ection Bas line : 0.48 Necessary (Both s Max door unit is higher)	ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 12.7 (1/2") Flare connection ————————————————————————————————————
afety equip	Refrigerant piping siz Connecting method Attached length of pi Insulation for piping Refrigerant line (one v Vertical height diff. be Drain hose	iping way) length		m m m	Heatin Li Liquid	protection, Ser ng overload pro iquid line: ϕ 6. Flare conne id line : 0.55 / C Max.20 (Out ose connectab	ial signal error prote tection(High press 35 (1/4") ection Bas line : 0.48 Necessary (Both s Max door unit is higher)	ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 12.7 (1/2") Flare connection ————————————————————————————————————
afety equip nstallation lata Drain pump,	Refrigerant piping siz Connecting method Attached length of pi Insulation for piping Refrigerant line (one v Vertical height diff. be Drain hose , max lift height	iping way) length		m m m m	Heatin Li Liquid	protection, Ser ng overload pro iquid line: ϕ 6. Flare conne id line : 0.55 / C Max.20 (Outo	ial signal error prote tection(High pressu 35 (1/4") ection Bas line : 0.48 Necessary (Both s Max door unit is higher) le (VP 16)	ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 12.7 (1/2") Flare connection — ides), independent c.30 / Max.20 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. —
Safety equip Installation lata Drain pump, Recommend	Refrigerant piping siz Connecting method Attached length of pi Insulation for piping Refrigerant line (one v Vertical height diff. be Drain hose , max lift height ded breaker size	iping way) length		m m m m mm A	Heatin Li Liquid	protection, Ser ng overload pro iquid line: ϕ 6. Flare conne id line : 0.55 / C Max.20 (Out ose connectab	ial signal error prote tection(High pressu 35 (1/4") ection Bas line : 0.48 Necessary (Both s Max door unit is higher) le (VP 16) 2	ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 12.7 (1/2") Flare connection — ides), independent <.30 / Max.20 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. — 0
Safety equip Installation lata Drain pump, Recommend R.A. (Lock	Refrigerant piping siz Connecting method Attached length of pi Insulation for piping Refrigerant line (one v Vertical height diff. be Drain hose , max lift height ded breaker size red rotor ampere)	iping way) length etween O/L	U and I/U	m m m m	Heatin Li Liquid	protection, Ser ng overload pro iquid line: ϕ 6. Flare conne id line : 0.55 / C Max.20 (Outo ose connectabl	ial signal error prote tection(High pressu 35 (1/4") ection Bas line : 0.48 Necessary (Both s Max door unit is higher) le (VP 16) 2 5	ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 12.7 (1/2") Flare connection — ides), independent k.30 / Max.20 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. — 0 .0
afety equip nstallation ata Prain pump, Recommend .R.A. (Lock nterconnec	Refrigerant piping siz Connecting method Attached length of pi Insulation for piping Refrigerant line (one v Vertical height diff. be Drain hose , max lift height ded breaker size red rotor ampere)	iping way) length	U and I/U	m m m m mm A	Heatin Li Liquid	protection, Ser ng overload pro iquid line: ϕ 6. Flare conne id line : 0.55 / C Max.20 (Outo ose connectab 	ial signal error prote tection(High pressu 35 (1/4") ection Bas line : 0.48 Necessary (Both s Max door unit is higher) le (VP 16) 2 5	ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 12.7 (1/2") Flare connection — ides), independent (.30 / Max.20 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. — 0 0 0 e) / Terminal block (Screw fixing type)
afety equip nstallation ata Prain pump, Recommend .R.A. (Lock nterconnect P number	Refrigerant piping siz Connecting method Attached length of pi Insulation for piping Refrigerant line (one v Vertical height diff. be Drain hose , max lift height ded breaker size ted rotor ampere) ting wires Size	iping way) length etween O/L	U and I/U	m m m m mm A	Heatin Li Liquid	protection, Ser ng overload pro iquid line: ϕ 6. Flare conne id line : 0.55 / C Max.20 (Outo ose connectab 	ial signal error prote tection(High press 35 (1/4") ection Bas line : 0.48 Necessary (Both s Max door unit is higher) le (VP 16) 2 5. Including earth cabl	ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 12.7 (1/2") Flare connection — ides), independent (.30) / Max.20 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. — 0 0 0 e) / Terminal block (Screw fixing type) IPX4
Bafety equip Installation lata Drain pump, Recommend R.A. (Lock Interconnect P number Vireless LAI	Refrigerant piping siz Connecting method Attached length of pi Insulation for piping Refrigerant light diff. be Drain hose max lift height ded breaker size ted rotor ampere) ting wires N connecting	iping way) length etween O/L	U and I/U	m m m m mm A	Heatin Liquid Liquid Ho 1.5m	protection, Ser ng overload pro iquid line: ϕ 6. Flare conne id line : 0.55 / C Max.20 (Outo ose connectab 	ial signal error prote tection(High press 35 (1/4") ection Bas line : 0.48 Necessary (Both s Max door unit is higher) le (VP 16) 2 5. Including earth cabl	ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 12.7 (1/2") Flare connection — ides), independent (.30 / Max.20 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. — 0 0 0 e) / Terminal block (Screw fixing type) IPX4 —
Safety equip Installation Jata Drain pump, Recomment R.A. (Lock Interconnec) P number Vireless LAI Standard ac	Refrigerant piping siz Connecting method Attached length of pi Insulation for piping Refrigerant line (one v Vertical height diff. be Drain hose , max lift height ded toror ampere) ting wires Size N connecting :ccessories	iping way) length etween O/L	U and I/U	m m m m mm A	Heatin Liquid Hounting I Mounting I	protection, Ser ng overload pro- iquid line: ϕ 6. Flare conner- id line: 0.55 / C Max.20 (Outro- ose connectable m ² x 4 cores (1 IPX0 Standard equivit, Clean filter (/ terface kit (SC	ial signal error prote tection(High press 35 (1/4") ection as line : 0.48 Necessary (Both s Maz door unit is higher) le (VP 16) 2 5 Including earth cabl ipment Allergen clear filter x 1 -BIKN2-E)	ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 12.7 (1/2") Flare connection — ides), independent (.30 / Max.20 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. — 0 0 0 e) / Terminal block (Screw fixing type) IPX4
Safety equip nstallation data Drain pump, Recommend R.A. (Lock nterconnect P number Wireless LAI Standard ac Option parts	Refrigerant piping siz Connecting method Attached length of pi Insulation for piping Refrigerant line (one v Vertical height diff. be Drain hose , max lift height ded toror ampere) ting wires Size N connecting :ccessories	iping way) length etween O/L	U and I/U	m m m A A	Heatin Liquid Hounting I Mounting I	protection, Ser ng overload pro- iquid line: ϕ 6. Flare conner- id line: 0.55 / C Max.20 (Outro- ose connectable m ² x 4 cores (1 IPX0 Standard equivit, Clean filter (/ terface kit (SC	ial signal error prote tection(High press 35 (1/4") ection Gas line : 0.48 Necessary (Both s Max door unit is higher) le (VP 16) 2 5. Including earth cabl ipment Allergen clear filter x 1	ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 12.7 (1/2") Flare connection — ides), independent (.30 / Max.20 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. — 0 .0 e) / Terminal block (Screw fixing type) IPX4 — , Photocatalytic washable deodorizing filter x —
Safety equip Installation lata Drain pump, Recommend R.A. (Lock Interconnect P number Vireless LAI Standard act Option parts	Refrigerant piping siz Connecting method Attached length of pil Insulation for piping Refrigerant line (one voltation for piping Vertical height diff. be Drain hose max lift height ded breaker size ted rotor ampere) ting wires Size	way) length etween O/L x Core nur	U and I/U	m m m A A A	Heatin Liquid Hourting I Mounting I Int (Canno	protection, Ser ng overload pro- iquid line: ϕ 6. Flare conner- id line: 0.55 / C Max.20 (Outro- ose connectable m ² x 4 cores (1 IPX0 Standard equivit, Clean filter (/ terface kit (SC	ial signal error prote tection(High press 35 (1/4") ection as line : 0.48 Necessary (Both s Maz door unit is higher) le (VP 16) 2 5. Including earth cabl 	ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: φ 12.7 (1/2") Flare connection — ides), independent (.30 / Max.20 (Outdoor unit is lower) Hole size φ 20 x 5 pcs. — 0 0 0 (0 e) / Terminal block (Screw fixing type) IPX4 — , Photocatalytic washable deodorizing filter x — ngth is 5m.
Safety equip nstallation data Drain pump, Recommend R.A. (Lock nterconnect P number Wireless LAI Standard ac Dytion parts Notes (1) T	Refrigerant piping siz Connecting method Attached length of pi Insulation for piping Refrigerant line (one N Vertical height diff. be Drain hose , max lift height ded breaker size ting wires Size N connecting ccessories he data are measured	way) length etween O/L x Core nur	U and I/U mber	m m m A A A	Heatin Liquid Hourting I Mounting I Int (Canno	protection, Ser 19 overload pro 19 iquid line: ϕ 6. Flare conne 10 d line: 0.55 / C Max.20 (Outo 10 ose connectable 10 m ² x 4 cores (1 10 PX0 Standard equ kit, Clean filter (, 1 terface kit (SC ot be used with	ial signal error prote tection(High press 35 (1/4") ection Bas line : 0.48 Necessary (Both s Max door unit is higher) le (VP 16) 2 5. Including earth cabl ipment Allergen clear filter x 1 -BIKN2-E) wireless LAN)	ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: φ 12.7 (1/2") Flare connection — ides), independent (.30 / Max.20 (Outdoor unit is lower) Hole size φ 20 x 5 pcs. — 0 0 0 (0 e) / Terminal block (Screw fixing type) IPX4 — , Photocatalytic washable deodorizing filter x — ngth is 5m.
Safety equip nstallation data Drain pump, Recommend R.A. (Lock nterconnect P number Wireless LAI Standard ac Dytion parts Notes (1) T	Refrigerant piping siz Connecting method Attached length of pi Insulation for piping Refrigerant line (one v Vertical height diff. be Drain hose max lift height ded breaker size ted rotor ampere) ting wires Size N connecting xcessories s 'he data are measured Item	way) length etween O/U x Core nut	U and I/U mber owing condition ir temperature	m m m A A A ons.	Heatin Liquid Liquid Hounting I Mounting I Int (Canno	protection, Ser ng overload pro iquid line: ϕ 6. Flare conne id line: 0.55 / C Max.20 (Outo ose connectab m ² x 4 cores (1 IPX0 Standard equ kit, Clean filter (, terface kit (SC ot be used with temperature	ial signal error prote tection(High press 35 (1/4") ection as line : 0.48 Necessary (Both s Maz door unit is higher) le (VP 16) 2 5. Including earth cabl 	ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: φ 12.7 (1/2") Flare connection — ides), independent (.30 / Max.20 (Outdoor unit is lower) Hole size φ 20 x 5 pcs. — 0 0 0 e) / Terminal block (Screw fixing type) IPX4 — , Photocatalytic washable deodorizing filter x — ngth is 5m.
Recommend R.A. (Lock nterconneci P number Wireless LAI Standard ac Option parts Notes (1) T	Refrigerant piping siz Connecting method Attached length of piling Insulation for piping Refrigerant line (one voltation for piping Refrigerant line (one voltation for piping Vertical height diff. be Drain hose , max lift height ded breaker size ted rotor ampere) ting wires Size N connecting xcessories s 'he data are measured Item	way) length etween O/L x Core nut at the foll Indoor ai DB	U and I/U mber owing condition ir temperature WB	m m m A A A ons.	Heatin Liquid Hounting I Mounting I Int (Canno Dutdoor air t DB	protection, Ser ng overload pro iquid line: ϕ 6. Flare conne id line : 0.55 / C Max.20 (Outo ose connectable m ² x 4 cores (1 IPX0 Standard equ kit, Clean filter (/ terface kit (SC ot be used with temperature WB	ial signal error prote tection(High press 35 (1/4") ection Gas line : 0.48 Necessary (Both s Max door unit is higher) le (VP 16) 22 5. Including earth cabl ipment Allergen clear filter x 1 -BIKN2-E) Wireless LAN) The pipe let Standards	ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: φ 12.7 (1/2") Flare connection — ides), independent (.30 / Max.20 (Outdoor unit is lower) Hole size φ 20 x 5 pcs. — 0 0 0 e) / Terminal block (Screw fixing type) IPX4 — , Photocatalytic washable deodorizing filter x — ngth is 5m. 3 1

RWA000Z271 🛕

Item				Model	1	door unit o	DKCOT		ZSX-WF
-				1	l Iu	door unit S			Outdoor unit SRC60ZSX-W(-W1)
Power sourc			-)	134/			I PI		/, 50Hz / 220V, 60Hz
	Nominal cooling ca		,	kW) - 6.9 (Max.))
	Nominal heating ca	1 1 0	e)	kW				6.8 (0.8(Min.	.) - 8.8 (Max.))
	Heating capacity (H	12)		kW				-	-
			Cooling	-					9 - 2.50)
	Power consumptio	n	Heating	kW					20 - 2.86)
			Heating (H2)						-
	Max power consun	nption							90
	Running current		Cooling					(220/ 230/ 240 V)
			Heating	A					220/ 230/ 240 V)
Operation	Inrush current, max	k current						5.0 M	ax. 15
data	Power factor		Cooling	%				9	9
	Power lactor		Heating	70				9	9
	EER		Cooling					3.	57
			Heating	1				4.	12
	COP		Heating (H2)	1				-	_
			Cooling			6	62		65
	Sound power level		Heating	1					64
			Cooling	dB(A)	Hi: 4	8 Me: 41		111 0: 22	52
	Sound pressure lev	/el	Heating			7 Me: 42			53
	Silent mode sound	Dropouro los		1	HI. 4	11 1115.42		010.20	Cooling:42 / Heating:43
Tytorior direct						205 - 0		0	· · · · ·
	ensions (Height x Wi	un x Deptn)		mm		305 x 9		U	640 x 800(+71) x 290
Exterior appe					Muna		snow	RAL: 9003	Stucco white
Equivalent c				 k=	iviunse		.3/0.1), 13	NAL . 9003	Munsell : (4.2Y 7.5/1.1), RAL : 7004 45
Net weight				kg			-		
	type & Quantity						-		RMT5113SWE11(Twin rotary type) x
	motor (Starting meth	nod)		kW			-		1.50 (Inverter driven)
Refrigerant c	oil (Amount, type)			L			_		0.45 (DIAMOND FREEZE MB75)
Refrigerant (Type, amount, pre-ch	narge length)		kg		R32 1.30	in outo	loor unit (Incl. th	e amount for the piping of 15m)
leat exchan	iger				Louv	er fins & inn	ier groo	ved tubing	M fins & inner grooved tubing
Refrigerant c	control			1			Capill	ary tubes + Elec	tronic expansion valve
an type & C	Quantity					Tangent	ial fan >	:1	Propeller fan x 1
	Starting method)			W		42 x1 (Di			34 x1 (Direct drive)
	<u> </u>		Cooling		Hi: 16.3	Me: 13.4		,	41.5
Air flow			Heating	m³/min).9 ULo: 6.2	39.0
	ernal static pressure		Tieating	Pa	111. 17.0		0		0
Outside air ir	· · · · · · · · · · · · · · · · · · ·			1 4			ossible		-
					Dahar			h = h =) = = 0	
	ality / Quantity					propylene ne		,	-
	ration absorber				Ru	ibber sleeve	e (for fa	n motor)	Rubber sleeve (for fan motor & compress
Electric heat	-						_		
Operation	Remote control								note control
controlt	Room temperature	control						Microcomput	ter thermostat
Jonaton	Operation display						RUN	I: Green , TIMEF	R: Yellow , ECO: Blue
Safety equip	ments				Compressor overheat protection, O Frost protection, Serial signal error protection, Heating overload protection(High pressure con				ection, Indoor fan motor error protection,
	Refrigerant piping	size (O.D)		mm	L	iquid line:	<u>'</u>	,	Gas line: <i>φ</i> 12.7 (1/2")
	Connecting method	d				Flare co	onnectio	on	Flare connection
	Attached length of	piping		m	Liqu	id line : 0.58	5 / Gas	line : 0.48	-
nstallation	Insulation for piping	g					Ne	cessary (Both s	ides), independent
lata	Refrigerant line (on	e way) length	h	m				Ma	x.30
	Vertical height diff.	,, 0		m	l	Max.20 (Outdoo		/ Max.20 (Outdoor unit is lower)
	Drain hose				н	ose connec			Hole size ϕ 20 x 5 pcs.
				mm	· · ·		_	/	-
Drain pump	led breaker size			A				0	20
	ICU DIEdrei SIZE			A					.0
Recommend	ed rotor amporol		mbor	~	4 5	2 x 4 =	oo (lm c l	-	
Recommend R.A. (Locke	ed rotor ampere)	TO V COMO M		ļ	nc.i			uuing earth cabl	le) / Terminal block (Screw fixing type)
Recommend R.A. (Locke nterconnect	· · · ·	ze x Core nu	IIIDei	1			•X0		IPX4
Recommend R.A. (Locken nterconnect P number	ing wires Siz	ze x Core nu	mber			Standard	equipm	ient	
Recommend R.A. (Locken nterconnect P number Vireless LAN	ing wires Siz	ze x Core nu							
Recommend R.A. (Locken nterconnect P number Vireless LAN	ing wires Siz	ze x Core nu	IIIDei		- · ·	kit, Clean filt	ter (Alle	•	, Photocatalytic washable deodorizing filter x
L.R.A. (Locke Interconnect IP number	ing wires Siz	ze x Core nu			In	kit, Clean filt terface kit (ter (Alle SC-BI	•	, Photocatalytic washable deodorizing filter x
Recommend L.R.A. (Locke Interconnect IP number Wireless LAN Standard acc Option parts	ing wires Siz			DNS.	In	kit, Clean filt terface kit (ter (Alle SC-BI	(N2-E)	_
Recommend R.A. (Locke nterconnect P number Wireless LAN Standard acc Option parts	ing wires Sizes Si	ed at the foll	owing condition		In (Cann	kit, Clean filt terface kit (sC-BII with Wi	KN2-E) reless LAN) The pipe le	ngth is 5m.
Recommend L.R.A. (Locke Interconnect P number Wireless LAN Standard acc Option parts Notes (1) Th	ing wires Siz	ed at the foll Indoor a	owing condition		In (Cann	kit, Clean filt terface kit (ot be used temperature	sC-BII with Wi	KN2-E) reless LAN)	ngth is 5m.
Recommend L.R.A. (Locke Interconnect P number Wireless LAN Standard acc Option parts Notes (1) Th	ing wires Siz	ed at the foll Indoor a DB	owing condition		In (Cann Outdoor air DB	kit, Clean filt terface kit (ot be used temperature WB	sC-BII with Wi	KN2-E) reless LAN) The pipe le Standards	ngth is 5m.
Recommend L.R.A. (Locke Interconnect IP number Wireless LAN Standard acc Option parts Notes (1) Th	ing wires Siz	ed at the foll Indoor a DB 27'C	owing condition ir temperature WB 19°C		In (Cann Outdoor air DB 35°C	kit, Clean filt terface kit (ot be used temperature WB 24°C	sC-BII with Wi	(N2-E) reless LAN) The pipe le Standards ISO5151-T	ngth is 5m.
Recommend R.A. (Lockenterconnect P number Wireless LAN Standard acc Option parts Notes (1) Th	ing wires Siz	ed at the foll Indoor a DB	owing condition		In (Cann Outdoor air DB	kit, Clean filt terface kit (ot be used temperature WB	sC-BII with Wi	KN2-E) reless LAN) The pipe le Standards	

Itom				Model				SX-WFB
Item					Indo	oor unit SRK20	-	Outdoor unit SRC20ZSX-W
Power source	1					1	,	/, 50Hz / 220V, 60Hz
	Nominal cooling capac			kW			2.0 (0.9(Min.)	
	Nominal heating capac	ity (range))	kW			2.7 (0.8(Min.) - 5.5 (Max.))
	Heating capacity (H2)			kW				_
			Cooling				0.31 (0.1	6 - 0.76)
	Power consumption		Heating	kW			0.47 (0.1	4 - 1.36)
			Heating (H2)	KVV			-	_
	Max power consumpti	on		1			1.9	92
			Cooling				1.9 / 1.8 / 1.7 (2	220/230/240 V)
	Running current	H	Heating	А			(220/230/240 V)
Deration	Inrush current, max cu						,	1ax. 9
lata	initiatin outront, max ou		Cooling			•		6
ata	Power factor	H	Heating	%				1
	EER		Cooling					45
	COP	H	Heating				-	74
			Heating (H2)					-
	Sound power level	H	Cooling			53		56
			Heating			55		58
	Sound processing lovel		Cooling	dB(A)	Hi: 38	3 Me: 31 Lo: 2	24 ULo: 19	43
	Sound pressure level		Heating	j l	Hi: 38	3 Me: 33 Lo: 2	25 ULo: 19	45
	Silent mode sound pre	ssure leve				_		Cooling:33 / Heating:38
xterior dim	ensions (Height x Width :			mm		305 x 920 x 2	220	640 x 800(+71) x 290
xterior app		. /			Fine sno	ow (8.0Y 9.3/0.1	-	Stucco white
Equivalent of						4.0PB 2.44/0.25		Munsell : (4.2Y 7.5/1.1), RAL : 7004
let weight				kg		13	/	43.0
	r type & Quantity							RMT5111SWE3(Twin rotary type) x 1
	r motor (Starting method)			kW		_		0.75 (Inverter driven)
	oil (Amount, type)			L				0.35 (DIAMOND FREEZE MB75)
•	(Type, amount, pre-charg	o longth)		∟ kg			itdoor unit (Incl. th	e amount for the piping of 15m)
		e lengtri)		ку	1			
leat exchar	·				Louve	r fins & inner gro	ē	M fins & inner grooved tubing
lefrigerant o								tronic expansion valve
an type & 0						Tangential far		Propeller fan x 1
an motor (S	Starting method)			W		42 x1 (Direct c	drive)	34 x1 (Direct drive)
ir flow			Cooling	m³/min	Hi: 11.3	3 Me: 9.1 Lo:	6.0 ULo: 5.0	31.0
			Heating		Hi: 12.2	Me: 10.3 Lo:	7.2 ULo: 5.4	31.0
vailable ex	ternal static pressure			Pa		0		0
Dutside air i	ntake					Not possib	le	_
Air filter, Qua	ality / Quantity				Polypr	ropylene net (W	ashable) x 2	_
	ration absorber					ober sleeve (for f	,	Rubber sleeve (for fan motor & compress
lectric heat	ter					_	,	_
liootino nota	Remote control						Wireless rer	note control
								er thermostat
		utrol						
	Room temperature cor					S Yellow ECO: Blue		
Operation controlt Gafety equip	Room temperature cor Operation display	ntrol				Compresso protection, Seria	or overheat protec	R: Yellow , ECO: Blue stion, Overcurrent protection, sction, Indoor fan motor error protection, sction, Indoor fan motor error protection,
ontrolt	Room temperature cor Operation display				Heatin	Compresso protection, Seria g overload prote	or overheat protec Il signal error prote ection(High pressu	ction, Overcurrent protection, ection, Indoor fan motor error protection, ure control), Cooling overload protection
ontrolt	Room temperature cor Operation display			mm	Heatin	Compresso protection, Seria	or overheat protec Il signal error prote ection(High pressu	tion, Overcurrent protection, ection, Indoor fan motor error protection,
ontrolt	Room temperature cor Operation display			mm	Heatin	Compresso protection, Seria g overload prote	or overheat protec Il signal error prote ection(High pressu 5 (1/4")	ction, Overcurrent protection, ection, Indoor fan motor error protection, ure control), Cooling overload protection
afety equip	Room temperature cor Operation display oments Refrigerant piping size	(O.D)		mm	Heatin	Compress protection, Seria g overload prote quid line: ϕ 6.3	or overheat protec al signal error prote ection(High pressu 5 (1/4") tion	tion, Overcurrent protection, ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 9.52 (3/8")
afety equip	Room temperature cor Operation display oments Refrigerant piping size Connecting method	(O.D)			Heatin	Compress protection, Seria g overload prote quid line: ϕ 6.3 Flare connec d line : 0.55 / Ga	or overheat protect al signal error protect ection(High pressu 5 (1/4") tion as line : 0.48	tion, Overcurrent protection, ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 9.52 (3/8") Flare connection
afety equip	Room temperature cor Operation display oments Refrigerant piping size Connecting method Attached length of piping	(O.D)			Heatin	Compress protection, Seria g overload prote quid line: ϕ 6.3 Flare connec d line : 0.55 / Ga	or overheat protect al signal error protect ection(High pressu 5 (1/4") tion as line : 0.48	tion, Overcurrent protection, section, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: φ 9.52 (3/8") Flare connection — ides), independent
afety equip	Room temperature cor Operation display oments Refrigerant piping size Connecting method Attached length of piping Insulation for piping	(O.D) ing ay) length	and I/U	m	Heatin	Compress protection, Seria g overload prote quid line: ϕ 6.33 Flare connec d line : 0.55 / Ga	or overheat protec al signal error protection(High pressu 5 (1/4") tion as line : 0.48 Necessary (Both s Max	tion, Overcurrent protection, section, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: φ 9.52 (3/8") Flare connection — ides), independent
afety equip	Room temperature cor Operation display oments Refrigerant piping size Connecting method Attached length of piping Insulation for piping Refrigerant line (one way) Vertical height diff. betw	(O.D) ing ay) length	and I/U	m	Heatin Li Liquid	Compress protection, Seria g overload prote quid line: ϕ 6.33 Flare connec d line : 0.55 / Ga N Max.15 (Outdo	or overheat protec al signal error protection(High pressu 5 (1/4") tition as line : 0.48 Necessary (Both s Max por unit is higher)	tion, Overcurrent protection, ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 9.52 (3/8") Flare connection — ides), independent x.25 / Max.15 (Outdoor unit is lower)
Safety equip	Room temperature cor Operation display oments Refrigerant piping size Connecting method Attached length of piping Insulation for piping Refrigerant line (one with Vertical height diff. betwork) Drain hose	(O.D) ing ay) length	and I/U	m m m	Heatin Li Liquid	Compress protection, Seria g overload prote quid line: ϕ 6.33 Flare connec d line : 0.55 / Ga	or overheat protec al signal error protection(High pressu 5 (1/4") tition as line : 0.48 Necessary (Both s Max por unit is higher)	tion, Overcurrent protection, ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: φ 9.52 (3/8") Flare connection — ides), independent x.25
ontrolt afety equip Installation lata	Room temperature cor Operation display oments Refrigerant piping size Connecting method Attached length of piping Insulation for piping Refrigerant line (one with Vertical height diff. betwork) Drain hose max lift height	(O.D) ing ay) length	and I/U	m m m m	Heatin Li Liquid	Compress protection, Seria g overload prote quid line: ϕ 6.33 Flare connec d line : 0.55 / Ga N Max.15 (Outdo	or overheat protec al signal error protection(High pressu 5 (1/4") tition as line : 0.48 Necessary (Both s Max por unit is higher) (VP 16)	tion, Overcurrent protection, action, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 9.52 (3/8") Flare connection — ides), independent x.25 / Max.15 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. —
installation ata prain pump, lecommend	Room temperature cor Operation display oments Refrigerant piping size Connecting method Attached length of piping Insulation for piping Refrigerant line (one with the the the the the the the the the t	(O.D) ing ay) length	and I/U	m m m mm A	Heatin Li Liquid	Compress protection, Seria g overload prote quid line: ϕ 6.33 Flare connec d line : 0.55 / Ga N Max.15 (Outdo	or overheat protec al signal error protection(High pressu 5 (1/4") tion as line : 0.48 Vecessary (Both s Max por unit is higher) a (VP 16)	tion, Overcurrent protection, action, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 9.52 (3/8") Flare connection — ides), independent x.25 / Max.15 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. — 6
installation ata prain pump, lecommento .R.A. (Lock	Room temperature cor Operation display oments Refrigerant piping size Connecting method Attached length of piping Insulation for piping Refrigerant line (one way) Vertical height diff. betw Drain hose , max lift height ded breaker size atd rotor ampere)	(O.D) ing ay) length ween O/U		m m m m	Heatin Li Liquid Hc	Compress protection, Seria g overload prote quid line: ϕ 6.33 Flare connec d line : 0.55 / Ga N Max.15 (Outdo pse connectable	or overheat protect al signal error protection(High pressu 5 (1/4") tition as line : 0.48 Necessary (Both s Max bor unit is higher) a (VP 16) 1 2	tion, Overcurrent protection, action, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 9.52 (3/8") Flare connection — ides), independent x.25 / Max.15 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. — 6 .5
afety equip astallation ata rrain pump, ecommento .R.A. (Lock iterconnection	Room temperature cor Operation display oments Refrigerant piping size Connecting method Attached length of piping Insulation for piping Refrigerant line (one way) Vertical height diff. betw Drain hose , max lift height ded breaker size atd rotor ampere)	(O.D) ing ay) length		m m m mm A	Heatin Li Liquid Hc	Compress protection, Seria g overload prote quid line: ϕ 6.33 Flare connec d line : 0.55 / Ga Max.15 (Outdo pse connectable 	or overheat protect al signal error protection(High pressu 5 (1/4") tition as line : 0.48 Necessary (Both s Max bor unit is higher) a (VP 16) 1 2	tion, Overcurrent protection, action, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 9.52 (3/8") Flare connection — ides), independent x.25 / Max.15 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. — 6 .5 e) / Terminal block (Screw fixing type)
afety equip astallation ata rain pump, ecommend .R.A. (Lock iterconneci ? number	Room temperature cor Operation display oments Refrigerant piping size Connecting method Attached length of piping Insulation for piping Refrigerant line (one with the sight diff. betwork) Vertical height diff. betwork Insulation hose , max lift height ded breaker size ted rotor ampere) ting wires Size x	(O.D) ing ay) length ween O/U		m m m mm A	Heatin Li Liquid Hc	Compress protection, Seria g overload prote quid line: ϕ 6.34 Flare connec d line : 0.55 / Ga N Max.15 (Outdo pse connectable — — m ² x 4 cores (In IPX0	or overheat protect al signal error protection(High pressu 5 (1/4") ttion as line : 0.48 Vecessary (Both s Max bor unit is higher) a (VP 16) 1 2. ucluding earth cabl	tion, Overcurrent protection, ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 9.52 (3/8") Flare connection — ides), independent x.25 / Max.15 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. — 6 5 e) / Terminal block (Screw fixing type) IPX4
afety equip astallation ata rrain pump, ecommend .R.A. (Lock terconnec: 2 number /ireless LAI	Room temperature cor Operation display oments Refrigerant piping size Connecting method Attached length of piping Insulation for piping Refrigerant line (one with the sight diff. betw.) Vertical height diff. betw.) Drain hose , max lift height ded breaker size ted rotor ampere) ting wires Size x N connecting	(O.D) ing ay) length ween O/U		m m m mm A	Heating Li Liquid Hc	Compress protection, Seria g overload prote quid line: ϕ 6.34 Flare connec d line : 0.55 / Ga Max.15 (Outdo ose connectable 	or overheat protect al signal error protection(High pressu 5 (1/4") tion as line : 0.48 Vecessary (Both s Max bor unit is higher) a (VP 16) 1 2 cluding earth cabl	tion, Overcurrent protection, ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 9.52 (3/8") Flare connection — ides), independent k.25 / Max.15 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. — 6 5 e) / Terminal block (Screw fixing type) IPX4 —
Safety equip Installation lata Drain pump, Recommence I.R.A. (Lock Interconnect P number Vireless LAI Standard act	Room temperature cor Operation display oments Refrigerant piping size Connecting method Attached length of piping Insulation for piping Refrigerant line (one way) Vertical height diff. betwork Drain hose , max lift height ded breaker size ted rotor ampere) ting wires Size x N connecting :ccessories	(O.D) ing ay) length ween O/U		m m m mm A	Heating Liquid Hc Hc Mounting H	Compress protection, Seria g overload prote quid line: φ 6.33 Flare connec d line : 0.55 / Ga Max.15 (Outdo pse connectable — m ² x 4 cores (In IPX0 Standard equip kit, Clean filter (Al erface kit (SC-E	or overheat protect al signal error protect ection(High pressu 5 (1/4") tion as line : 0.48 Necessary (Both s Max bor unit is higher) a (VP 16) 1 2 cluding earth cabl coment llergen clear filter x 1 BIKN2-E)	tion, Overcurrent protection, ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 9.52 (3/8") Flare connection — ides), independent x.25 / Max.15 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. — 6 5 e) / Terminal block (Screw fixing type) IPX4
Anterior pump, Recommence I.R.A. (Lock Interconnect Inumber Vireless LAI Standard ac Option parts	Room temperature cor Operation display oments Refrigerant piping size Connecting method Attached length of piping Insulation for piping Refrigerant line (one with the sight diff. betw.) Vertical height diff. betw.) Drain hose , max lift height ded breaker size ted rotor ampere) ting wires Size x N connecting ccessories s	(O.D) ing ay) length ween O/U	iber	m m m A A	Heating Liquid Hc Hc Mounting H	Compress protection, Seria g overload prote quid line: ϕ 6.34 Flare connec d line : 0.55 / Ga Max.15 (Outdo ose connectable 	or overheat protect al signal error protect ection(High pressu 5 (1/4") tition as line : 0.48 Necessary (Both s Max por unit is higher) (VP 16) (VP	tion, Overcurrent protection, section, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 9.52 (3/8") Flare connection — ides), independent x.25 / Max.15 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. — 6 5 e) / Terminal block (Screw fixing type) IPX4 — , Photocatalytic washable deodorizing filter x —
entrolt eafety equip estallation ata prain pump, lecommend .R.A. (Lock nterconnect of number Vireless LAI vireless LAI vireless LAI vireless LAI	Room temperature cor Operation display oments Refrigerant piping size Connecting method Attached length of piping Insulation for piping Refrigerant line (one with Vertical height diff. betwork) Drain hose , max lift height ded breaker size ting wires Size x N connecting ccessories s	(O.D) ing ay) length ween O/U Core num	iber	m m m A A A	Heating Liquid Ho 1.5m Mounting H Int (Canno	Compress protection, Seria g overload prote quid line: ϕ 6.33 Flare connect d line : 0.55 / Ga Max.15 (Outdo se connectable 	or overheat protect al signal error protect ection(High pressu 5 (1/4") tion as line : 0.48 Necessary (Both s Max bor unit is higher) a (VP 16) 1 2 cluding earth cabl coment llergen clear filter x 1 BIKN2-E)	tion, Overcurrent protection, action, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 9.52 (3/8") Flare connection — ides), independent x.25 / Max.15 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. — 6 5 e) / Terminal block (Screw fixing type) IPX4 — , Photocatalytic washable deodorizing filter x —
Controlt Safety equip Installation Jata Drain pump, Recommend I.R.A. (Lock Interconnect P number Vireless LA Standard ac Dption parts Notes (1) T	Room temperature cor Operation display oments Refrigerant piping size Connecting method Attached length of piping Insulation for piping Refrigerant line (one with the with the dight diff. between the diff.	(O.D) ing ay) length ween O/U Core num to core num	ber wing condition	m m m A A A	Heating Liquid Hounting Houng Mounting Houng Int (Canno	Compress protection, Seria g overload prote quid line: ϕ 6.34 Flare connec d line : 0.55 / Ga Max.15 (Outdo see connectable ————————————————————————————————————	or overheat protect al signal error protect ection(High pressu 5 (1/4") tition as line : 0.48 Necessary (Both s Max por unit is higher) (VP 16) (VP	tion, Overcurrent protection, ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 9.52 (3/8") Flare connection ————————————————————————————————————
Drain pump, Recommend I.R.A. (Lock Interconnect P number Vireless LA Standard ac Option parts Notes (1) T	Room temperature cor Operation display oments Refrigerant piping size Connecting method Attached length of piping Insulation for piping Refrigerant line (one with the with the dight diff. between the diff.	(O.D) ing ay) length ween O/U Core num at the follo Indoor air DB	wing condition temperature WB	m m m A A A ons.	Heating Liquid Hot Hot Mounting H (Canno butdoor air to DB	Compress protection, Seria g overload prote quid line: ϕ 6.34 Flare connec d line : 0.55 / Ga Max.15 (Outdo ose connectable 	or overheat protect al signal error protect ection(High pressu 5 (1/4") tion as line : 0.48 Vecessary (Both s Max bor unit is higher) a (VP 16) 1 2 cluding earth cabl boment lergen clear filter x 1 3IKN2-E) Wireless LAN) The pipe ler Standards	tion, Overcurrent protection, ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 9.52 (3/8") Flare connection — ides), independent x.25 / Max.15 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. — 6 5 e) / Terminal block (Screw fixing type) IPX4 — , Photocatalytic washable deodorizing filter x — ngth is 5m.
Controlt Safety equip Installation Jata Drain pump, Recommend I.R.A. (Lock Interconnect P number Vireless LA Standard ac Dption parts Notes (1) T	Room temperature cor Operation display oments Refrigerant piping size Connecting method Attached length of piping Insulation for piping Refrigerant line (one with the with the ded breaker size Yertical height ded breaker size ted rotor ampere) ting wires Size x N connecting cessories S The data are measured and the data are m	(O.D) ing ay) length ween O/U Core num t the follo Indoor air DB 27°C	wing condition temperature WB 19°C	m m m A A A ons.	Heating Liquid Hc Hc Mounting H Int (Canno DB 35°C	Compress protection, Seria g overload prote quid line: ϕ 6.34 Flare connec d line : 0.55 / Ga Max.15 (Outdo ose connectable ————————————————————————————————————	or overheat protect al signal error protect ection(High pressu 5 (1/4") tion as line : 0.48 Vecessary (Both s Max bor unit is higher) a (VP 16) 1 2 cluding earth cabi boment lergen clear filter x 1 BIKN2-E) Wireless LAN) The pipe ler Standards ISO5151-T	tion, Overcurrent protection, ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 9.52 (3/8") Flare connection — ides), independent k.25 / Max.15 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. — 6 .5 e) / Terminal block (Screw fixing type) IPX4 — , Photocatalytic washable deodorizing filter x — ngth is 5m. s 1
Controlt Safety equip Installation Jata Drain pump, Recommend I.R.A. (Lock Interconnect P number Vireless LA Standard ac Dption parts Notes (1) T	Room temperature cor Operation display oments Refrigerant piping size Connecting method Attached length of piping Insulation for piping Refrigerant line (one with the with the dight diff. between the diff.	(O.D) ing ay) length ween O/U Core num at the follo Indoor air DB	wing condition temperature WB	m m m A A A ons.	Heating Liquid Hot Hot Mounting H (Canno butdoor air to DB	Compress protection, Seria g overload prote quid line: ϕ 6.34 Flare connec d line : 0.55 / Ga Max.15 (Outdo ose connectable 	or overheat protect al signal error protect ection(High pressu 5 (1/4") tion as line : 0.48 Vecessary (Both s Max bor unit is higher) a (VP 16) 1 2 cluding earth cabl boment lergen clear filter x 1 3IKN2-E) Wireless LAN) The pipe ler Standards	tion, Overcurrent protection, ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 9.52 (3/8") Flare connection — ides), independent x.25 / Max.15 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. — 6 .5 e) / Terminal block (Screw fixing type) IPX4 — , Photocatalytic washable deodorizing filter x — ngth is 5m. s 1 1

				Model	L			SX-WFB
Item					Inc	door unit SRK2		Outdoor unit SRC25ZSX-W
Power sourc	e					1	1 Phase, 220 - 240\	/, 50Hz / 220V, 60Hz
	Nominal cooling ca	apacity (rang	e)	kW			2.5 (0.9(Min.) - 3.8 (Max.))
	Nominal heating ca	apacity (rang	e)	kW			3.2 (0.8(Min.) - 6.0 (Max.))
	Heating capacity (H	H2)		kW			-	-
			Cooling				0.44 (0.1	6 - 0.91)
	Power consumptio	n	Heating	1			0.59 (0.1	4 - 1.54)
			Heating (H2)	kW			-	_
	Max power consun	nption		1			1.	92
			Cooling					220/230/240 V)
	Running current		Heating	A			,	220/ 230/ 240 V)
Onaration	Inrush current, max	current	Thousing					1ax. 9
Operation data	inrusti current, max	Current	Casling					30
Jala	Power factor		Cooling	%			-	
			Heating				-	35
	EER		Cooling	-				68
	COP		Heating				5.	42
			Heating (H2)				-	_
	Sound power level		Cooling			55		57
	Sound power level		Heating]		56		58
			Cooling	dB(A)	Hi: 3	39 Me: 33 Lo:	25 ULo: 19	44
	Sound pressure lev	/el	Heating	1 `´	Hi: 4	10 Me: 34 Lo:	27 ULo: 19	45
	Silent mode sound	pressure lev		1			-	Cooling:35 / Heating:39
Exterior dim	ensions (Height x Wid			mm		305 x 920 x	220	640 x 800(+71) x 290
Exterior app	(0	Dopui)			Fine or		1.1), (RAL:9003)	Stucco white
Equivalent of						(4.0PB 2.44/0.2		Munsell : (4.2Y 7.5/1.1), RAL : 7004
Vet weight)			kg	Didok	13	,,(43.0
•	type & Quantity			ing l		-		RMT5111SWE3(Twin rotary type) x 1
	motor (Starting meth	200)		kW				
		100)						0.75 (Inverter driven)
	pil (Amount, type)			L				0.35 (DIAMOND FREEZE MB75)
<u> </u>	Type, amount, pre-ch	harge length)		kg				e amount for the piping of 15m)
leat exchan	0				Louv	er fins & inner g	0	M fins & inner grooved tubing
Refrigerant o	control					Ca	pillary tubes + Elec	tronic expansion valve
an type & C	Quantity					Tangential fa	an x 1	Propeller fan x 1
an motor (S	Starting method)			W		42 x1 (Direct	drive)	34 x1 (Direct drive)
			Cooling	3	Hi: 12.	2 Me: 10.0 Lo	o: 6.7 ULo: 5.0	31.0
Air flow			Heating	m³/min	Hi: 12.	8 Me: 11.0 Lo	o: 7.8 ULo: 5.4	31.0
Available ext	ternal static pressure		1	Pa		0		0
Outside air i	· · · · · · · · · · · · · · · · · · ·					Not possi	hle	_
	ality / Quantity				Polyr	propylene net (V		_
							,	
	ration absorber				RL	ibber sleeve (for	rian motor)	Rubber sleeve (for fan motor & compress
Electric heat	1					_		
Operation	Remote control			ļ				note control
controlt	Room temperature	control					Microcomput	ter thermostat
	Operation display					F	RUN: Green , TIMEF	R: Yellow , ECO: Blue
Safety equip	oments					protection, Seri	ial signal error prote	ction, Overcurrent protection, ection, Indoor fan motor error protection, ure control), Cooling overload protection
	Refrigerant piping	()		mm	<u> </u>	iquid line: ϕ 6.	()	Gas line: <i>φ</i> 9.52 (3/8")
	Connecting method	d				Flare conne	ction	Flare connection
	Attached length of	piping		m	Liqu	id line : 0.55 / G	as line : 0.48	-
nstallation	Insulation for piping				, í			ides), independent
lata	Refrigerant line (on		h	m				x.25
	Vertical height diff.			m		Max 15 (Outr		/ Max.15 (Outdoor unit is lower)
	Drain hose				L .	lose connectabl	• ,	Hole size ϕ 20 x 5 pcs.
)rain numn	max lift height			mm		-		
				mm		_		
	ded breaker size			A				6
	ed rotor ampere)			A		2	-	.0
nterconnect	ing wires Siz	ze x Core nu	mber		1.5n	· · ·	ncluding earth cabl	le) / Terminal block (Screw fixing type)
P number						IPX0		IPX4
Vireless LA	N connecting					Standard equ	ipment	_
Standard ac	cessories				Mounting	kit, Clean filter (A	Allergen clear filter x 1	, Photocatalytic washable deodorizing filter x
Option parts					1	terface kit (SC- ot be used with	,	_
Notes (1) T	he data are measure	ed at the fol	lowing condition	ons.			The pipe le	, ngth is 5m.
	Item	Indoor a	ir temperature	C	Outdoor air	temperature	Chandand	
One	eration	DB	WB	1	DB	WB	Standards	5
	Cooling	27°C	19°C		35°C	24°C	ISO5151-T	1
	COOIIIIG					~		
		20°C	_		7°C	െറ	IS05151-F	11
	Heating Heating (H2)	20°C 20°C			7°C 2°C	6°C 1°C	ISO5151-H ISO5151-H	

				Model			SRK35Z	SX-WFB
Item					Ind	loor unit SRK35	ZSX-WFB	Outdoor unit SRC35ZSX-W
Power sourc	1					1		/, 50Hz / 220V, 60Hz
	Nominal cooling ca	pacity (rang	e)	kW			3.5 (0.9(Min.) - 4.5 (Max.))
	Nominal heating ca		le)	kW			4.3 (0.8(Min.) - 6.8 (Max.))
	Heating capacity (H	12)		kW			-	
			Cooling				0.74 (0.1	6 - 1.27)
	Power consumption	า	Heating	kW			0.90 (0.1	4 - 1.87)
			Heating (H2)				-	-
	Max power consum	nption					1.	92
	Running current		Cooling				3.7 / 3.5 / 3.4 (2	220/ 230/ 240 V)
	nurining current		Heating	A			4.4 / 4.3 / 4.1 (2	220/ 230/ 240 V)
Operation	Inrush current, max	current					4.3 N	1ax. 9
lata	Power factor		Cooling	- %			g)1
	Power factor		Heating	~ %			g	2
	EER		Cooling				4.	73
	0.00		Heating	1			4.	78
	COP		Heating (H2)	1			-	_
			Cooling			58		61
	Sound power level		Heating	1		58		62
			Cooling	dB(A)	Hi [.] 4	3 Me: 35 Lo: 2	26 ULO: 19	48
	Sound pressure leve	el	Heating		L	2 Me: 35 Lo: 2		47
	Silent mode sound	Dressure lev		1				Cooling:38 / Heating:43
xterior dim	ensions (Height x Wid			mm		305 x 920 x	220	640 x 800(+71) x 290
Exterior app	(0				Fine en	10w (8.0Y 9.3/0.	-	Stucco white
Equivalent of						(4.0PB 2.44/0.25		Munsell : (4.2Y 7.5/1.1), RAL : 7004
Vet weight	'/			kg	Diaon	13		43.0
•	type & Quantity							RMT5111SWE3(Twin rotary type) x 1
	motor (Starting meth	od)		kW		_		0.90 (Inverter driven)
	pil (Amount, type)	00)		L				0.35 (DIAMOND FREEZE MB75)
	Type, amount, pre-ch	orgo longth	\				tdoor unit (Incl. th	e amount for the piping of 15m)
<u> </u>		argeiengin)	kg	1.000			
leat exchan	0				Louve	er fins & inner gro		M fins & inner grooved tubing
Refrigerant o						'		tronic expansion valve
an type & C						Tangential far		Propeller fan x 1
an motor (S	Starting method)		1	W		42 x1 (Direct of	,	34 x1 (Direct drive)
Air flow			Cooling	m ³ /min	Hi: 13.		7.3 ULo: 5.0	36.0
			Heating	,	Hi: 13.9	9 Me: 11.8 Lo:	8.6 ULo: 5.4	31.0
Available ext	ternal static pressure			Pa		0		0
Outside air ii	ntake					Not possib	le	_
Air filter, Qua	ality / Quantity				Polyp	propylene net (W	/ashable) x 2	-
Shock & vibi	ration absorber				Ru	bber sleeve (for	fan motor)	Rubber sleeve (for fan motor & compress
Electric heat	er					-		-
	Remote control						Wireless rer	note control
Operation	Room temperature	control					Microcomput	ter thermostat
controlt	Operation display					RI	JN: Green . TIMEF	R: Yellow , ECO: Blue
Safety equip					Heatir	protection, Seriand protection, Seria	ction, Overcurrent protection, ection, Indoor fan motor error protection, ure control), Cooling overload protection	
	Refrigerant piping s	, ,		mm	L	iquid line: ϕ 6.3	. ,	Gas line: φ 9.52 (3/8")
	Connecting method			ļ		Flare connec		Flare connection
nstallation	Attached length of p			m	Liqui	id line : 0.55 / Ga		
lata	Insulation for piping					1		ides), independent
	Refrigerant line (one			m				x.25
	Vertical height diff.	between O/	U and I/U	m				/ Max.15 (Outdoor unit is lower)
	Drain hose				Н	ose connectable	(VP 16)	Hole size ϕ 20 x 5 pcs.
Drain pump,	max lift height			mm				_
Recommend	led breaker size			A			1	6
R.A. (Lock	ed rotor ampere)			A			4	.3
nterconnect	ting wires Siz	e x Core nu	Imber		1.5m	nm ² x 4 cores (In	cluding earth cab	le) / Terminal block (Screw fixing type)
P number						IPX0		IPX4
Vireless LAN	N connecting					Standard equip	oment	-
	cessories				Mounting	kit, Clean filter (A	llergen clear filter x 1	I, Photocatalytic washable deodorizing filter x
Standard ac						terface kit (SC-E ot be used with		_
			lowing conditi	ons.			The pipe le	ngth is 5m.
Option parts	he data are measure	d at the fol				to work we have	-	
Option parts	he data are measure		air temperature	C	Outdoor air	temperature	Otra - I - I	
Dption parts Notes (1) T				C	Dutdoor air	WB	Standards	5
Option parts Notes (1) T	Item	Indoor a	ir temperature	С		· · · · · · · · · · · · · · · · · · ·	Standards	
	eration Item	Indoor a DB	air temperature WB	C	DB	WB		1
Option parts Notes (1) T	eration Item Cooling	Indoor a DB 27°C	ir temperature WB 19°C	C	DB 35°C	WB 24°C	ISO5151-T	

Itom				Model	<u> </u>			SX-WFB
ltem Devver e evve					Inc	loor unit SRK5		Outdoor unit SRC50ZSX-W(-W1,-W2)
Power sourc							,	/, 50Hz / 220V, 60Hz
	Nominal cooling ca		,	kW			, ,) - 6.2 (Max.))
	Nominal heating ca	1 , ()	e)	kW			6.0 (0.8(Min.) - 8.2 (Max.))
	Heating capacity (H	12)		kW			-	-
			Cooling	_				9 - 1.90)
	Power consumptio	n	Heating	kW			1.36 (0.1	8 - 2.46)
			Heating (H2)	_			-	-
	Max power consur	nption						90
	Running current		Cooling					220/ 230/ 240 V)
	- idining oddronit		Heating	A			6.2 / 6.0 / 5.7 (2	220/ 230/ 240 V)
Operation	Inrush current, max	< current					5.0 M	ax. 15
lata	Power factor		Cooling	%			9	99
	FOWER Idelor		Heating	70			9	9
	EER		Cooling				4.	03
	000		Heating	1			4.	41
	COP		Heating (H2)	1			-	_
			Cooling			59		63
	Sound power level		Heating	1		62		61
			Cooling	dB(A)	Hi: 4	14 Me: 39 Lo:	31 110.22	51
	Sound pressure lev	/el	Heating			17 Me: 41 Lo:		49
	Silent mode sound	pressure les		1				Cooling:42 / Heating:43
vterior dim	ensions (Height x Wi	1	0	mm			(220	640 x 800(+71) x 290
		Jui x Deptil)			Einer		-	
Exterior app Equivalent o						10W (8.0Y 9.3/0 (4.0PB 2.44/0.2	0.1), (RAL:9003) 25) (RAL:9011)	Stucco white Munsell : (4.2Y 7.5/1.1), RAL : 7004
let weight				kg	DIACK	(4.0PB 2.44/0.2 13	-0 ,(IIAL.3011)	45
				ку		-		
	type & Quantity			1.14/		_		RMT5113SWE11(Twin rotary type) x
	motor (Starting meth	100)		kW		_		1.50 (Inverter driven)
•	oil (Amount, type)			L		_		0.45 (DIAMOND FREEZE MB75)
<u> </u>	Type, amount, pre-cl	narge length)		kg			,	e amount for the piping of 15m)
leat exchar	iger				Louv	er fins & inner g	rooved tubing	M fins & inner grooved tubing
Refrigerant o	control					Ca	pillary tubes + Elec	tronic expansion valve
an type & C	Quantity					Tangential fa	an x 1	Propeller fan x 1
an motor (S	Starting method)			W		42 x1 (Direct	drive)	34 x1 (Direct drive)
			Cooling	3	Hi: 14.	3 Me: 12.4 Lo	o: 7.8 ULo: 5.4	39.0
Air flow			Heating	m³/min	Hi: 17.	3 Me: 14.3 Lo	o: 9.8 ULo: 6.2	33.0
vailable ext	ternal static pressure		5	Pa		0		0
Outside air i						Not possi	hle	_
	ality / Quantity				Polyr	propylene net (\		
	ration absorber					ibber sleeve (fo	,	Rubber sleeve (for fan motor & compress
Electric heat					110		nan motor)	
lectric rieat						_		
Operation	Remote control							mote control
ontrolt	Room temperature	control						ter thermostat
	Operation display					F	RUN: Green , TIMEF	R: Yellow , ECO: Blue
Safety equip	oments					protection, Ser	ial signal error prote	ction, Overcurrent protection, ection, Indoor fan motor error protection, ure control), Cooling overload protection
	Refrigerant piping	, ,		mm	<u>ι</u>	iquid line: ϕ 6.	()	Gas line: <i>φ</i> 12.7 (1/2")
	Connecting metho	d				Flare conne	ection	Flare connection
م المار المار المار الم	Attached length of	piping		m	Liqu	id line : 0.55 / G	as line : 0.48	-
nstallation ata	Insulation for pipin	g					Necessary (Both s	ides), independent
uia	Refrigerant line (on	e way) lengtl	h	m			Ma	x.30
	Vertical height diff.	,, ,		m		Max.20 (Outo	door unit is higher)	/ Max.20 (Outdoor unit is lower)
	Drain hose			1	н	lose connectab	· · ·	Hole size ϕ 20 x 5 pcs.
Drain pump	max lift height			mm		_	x - /	
1 17	led breaker size			A			0	20
	ed rotor ampere)			A				.0
nterconnect	. ,	ze x Core nu	mher		1.5n	$1m^2 \times 4$ cores (-	le) / Terminal block (Screw fixing type)
² number				+	1.31	IPX0		IPX4
	V connecting					Standard equ	inment	IFA4 —
					Maxim			
tandard ac					In	iterface kit (SC ot be used with	-BIKN2-E)	I, Photocatalytic washable deodorizing filter x
Option parts	he data are measure	ed at the foll	owing condition	ı ons.			The pipe le	I ngth is 5m.
Option parts Notes (1) T		Indoor a	ir temperature	0	Outdoor air	temperature		
	Item				DB	WB	Standards	S
Notes (1) T	Item		WR	1				
Notes (1) T	eration	DB	19°C				ISO5151_T	
Notes (1) T	eration Cooling	DB 27°C	19°C		35°C	24°C	ISO5151-T	
Notes (1) T	eration	DB					ISO5151-T ISO5151-H ISO5151-H	11

RWA000Z271 🛕

Item				Model			SRK60Z		
					Inc	door unit SRK60		Outdoor unit SRC60ZSX-W(-W1)	
Power source	1			ļ		1		/, 50Hz / 220V, 60Hz	
	Nominal cooling cap		,	kW			6.1 (1.0(Min.	, , ,,	
	Nominal heating cap	acity (range	e)	kW			6.8 (0.8(Min.) - 8.8 (Max.))	
	Heating capacity (H2	2)		kW					
			Cooling	1			1.71 (0.1	9 - 2.50)	
	Power consumption		Heating	kW			1.65 (0.2	20 - 2.86)	
			Heating (H2)	RVV.			-	-	
	Max power consum	ption					2.	90	
			Cooling				7.9 / 7.5 / 7.2 (2	220/230/240 V)	
	Running current		Heating	A			7.6 / 7.2 / 6.9 (2		
Operation	Inrush current, max	current	1				,	ax. 15	
lata			Cooling					9	
	Power factor		Heating	%				9	
	EER		Cooling	'				57	
			Heating					12	
	COP		-	1		-		-	
			Heating (H2)						
	Sound power level		Cooling			62		65	
			Heating			63		64	
	Sound pressure leve	4	Cooling	dB(A)		48 Me: 41 Lo:		52	
		·	Heating	1	Hi: 4	17 Me: 42 Lo:	34 ULo: 23	53	
	Silent mode sound p		rel			-		Cooling:42 / Heating:43	
xterior dime	ensions (Height x Widt	h x Depth)		mm		305 x 920 x	220	640 x 800(+71) x 290	
Exterior appe	earance				Fine sr	now (8.0Y 9.3/0	.1), (RAL:9003)	Stucco white	
Equivalent c	color)					(4.0PB 2.44/0.2		Munsell: (4.2Y 7.5/1.1), RAL: 7004	
let weight				kg		13		45	
Compressor	type & Quantity					_		RMT5113SWE11(Twin rotary type) x	
Compressor	motor (Starting metho	d)		kW		_		1.50 (Inverter driven)	
	pil (Amount, type)	- /		L				0.45 (DIAMOND FREEZE MB75)	
•	Type, amount, pre-cha	arae lenath)		kg		B32 1 30 in o	utdoor unit (Incl. th	e amount for the piping of 15m)	
leat exchan		go loligui)				er fins & inner gr		M fins & inner grooved tubing	
Refrigerant c	·				LOUV	•	ě	tronic expansion valve	
an type & Q				144		Tangential fa		Propeller fan x 1	
an motor (S	Starting method)		1	W		42 x1 (Direct	,	34 x1 (Direct drive)	
Air flow			Cooling	m ³ /min		3 Me: 13.4 Lo:		41.5	
			Heating		Hi: 17.8	3 Me: 13.7 Lo:	10.9 ULo: 6.2	39.0	
vailable ext	ernal static pressure			Pa		0		0	
Outside air ir	ntake					Not possil	ole	_	
Air filter, Qua	lity / Quantity				Polyp	propylene net (V	vashable) x 2	-	
Shock & vibr	ation absorber				Ru	ubber sleeve (for	fan motor)	Rubber sleeve (for fan motor & compress	
Electric heate	er						,	_	
	Remote control						Wireless rer	note control	
Operation	Room temperature of	control						er thermostat	
ontrolt	Operation display					B		R: Yellow , ECO: Blue	
							,	. Tellow , LOO. Dide	
					Compressor overheat protection, Overcurrent protection, Frost protection, Serial signal error protection, Indoor fan motor error pro Heating overload protection(High pressure control), Cooling overload p				
Safety equip					Heatir	protection, Seried overload protection	al signal error prote tection(High press	ection, Indoor fan motor error protection, ure control), Cooling overload protection	
Safety equip	ments Refrigerant piping si	ze (O.D)		mm	Heatir	protection, Series overload protection, Series overload protection $_{\text{-iquid line: } \phi 6.3}$	al signal error prote tection(High pressu 35 (1/4")	ection, Indoor fan motor error protection,	
Safety equip		ze (O.D)		mm	Heatir	protection, Seried overload protection	al signal error prote tection(High pressu 35 (1/4")	ection, Indoor fan motor error protection, ure control), Cooling overload protection	
	Refrigerant piping si	. ,		mm	Heatir	protection, Series overload protection, Series overload protection $_{\text{-iquid line: } \phi 6.3}$	al signal error prote tection(High press 35 (1/4") ction	action, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 12.7 (1/2")	
nstallation	Refrigerant piping si Connecting method	. ,			Heatir	protection, Seri- ng overload prot iquid line: ϕ 6.3 Flare connection id line : 0.55 / G	al signal error prote tection(High press 35 (1/4") ction as line : 0.48	action, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 12.7 (1/2")	
nstallation	Refrigerant piping si Connecting method Attached length of p	iping	1		Heatir	protection, Seri- ng overload prot iquid line: ϕ 6.3 Flare connection id line : 0.55 / G	al signal error prote tection(High press 35 (1/4") ction as line : 0.48	ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 12.7 (1/2") Flare connection – ides), independent	
nstallation	Refrigerant piping si Connecting method Attached length of p Insulation for piping Refrigerant line (one	viping way) length		m	Heatir	protection, Seri ng overload prot iquid line: φ 6.3 Flare conner id line : 0.55 / G	al signal error prote ection(High press 35 (1/4") ction as line : 0.48 Necessary (Both s Max	ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 12.7 (1/2") Flare connection — ides), independent x.30	
nstallation	Refrigerant piping si Connecting method Attached length of p Insulation for piping Refrigerant line (one Vertical height diff. b	viping way) length		m	Heatir L Liqu	protection, Seriing overload prot iquid line: ϕ 6.3 Flare connection id line: 0.55 / G Max.20 (Outd	al signal error prote tection(High press 35 (1/4") ction as line : 0.48 Necessary (Both s Max loor unit is higher)	ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 12.7 (1/2") Flare connection 	
nstallation data	Refrigerant piping si Connecting method Attached length of p Insulation for piping Refrigerant line (one Vertical height diff. b Drain hose	viping way) length		m m m	Heatir L Liqu	protection, Seri ng overload prot iquid line: φ 6.3 Flare conner id line : 0.55 / G	al signal error prote tection(High press 35 (1/4") ction as line : 0.48 Necessary (Both s Max loor unit is higher)	ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 12.7 (1/2") Flare connection 	
nstallation lata Drain pump,	Refrigerant piping si Connecting method Attached length of p Insulation for piping Refrigerant line (one Vertical height diff. b Drain hose max lift height	viping way) length		m m m m	Heatir L Liqu	protection, Seriing overload prot iquid line: ϕ 6.3 Flare connection id line: 0.55 / G Max.20 (Outd	al signal error prote ection(High press 35 (1/4") ction as line : 0.48 Necessary (Both s Max loor unit is higher) e (VP 16)	ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 12.7 (1/2") Flare connection — ides), independent x.30 / Max.20 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. —	
nstallation lata Drain pump, Recommend	Refrigerant piping si Connecting method Attached length of p Insulation for piping Refrigerant line (one Vertical height diff. b Drain hose max lift height led breaker size	viping way) length		m m m m Mm A	Heatir L Liqu	protection, Seriing overload prot iquid line: ϕ 6.3 Flare connection id line: 0.55 / G Max.20 (Outd	al signal error prote ection(High press 35 (1/4") ction as line : 0.48 Necessary (Both s Max loor unit is higher) e (VP 16) 2	ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 12.7 (1/2") Flare connection — ides), independent x.30 / Max.20 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. —	
nstallation lata Drain pump, Recommend R.A. (Locke	Refrigerant piping si Connecting method Attached length of p Insulation for piping Refrigerant line (one Vertical height diff. b Drain hose max lift height led breaker size ed rotor ampere)	way) length	J and I/U	m m m m	Heatin Liqu	protection, Seriing overload prot iquid line: φ 6.3 Flare connectid id line : 0.55 / G Max.20 (Outco lose connectable	al signal error prote ection(High press 35 (1/4") ction as line : 0.48 Necessary (Both s Max loor unit is higher) e (VP 16) 2 5	ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 12.7 (1/2") Flare connection — ides), independent x.30 / Max.20 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. — 0 .0	
nstallation lata Prain pump, Recommend .R.A. (Locke nterconnecti	Refrigerant piping si Connecting method Attached length of p Insulation for piping Refrigerant line (one Vertical height diff. b Drain hose max lift height led breaker size ed rotor ampere)	viping way) length	J and I/U	m m m m Mm A	Heatin Liqu	protection, Seri ng overload prot iquid line: ϕ 6.3 Flare connec iid line : 0.55 / G Max.20 (Outd lose connectable — — mm ² x 4 cores (li	al signal error prote ection(High press 35 (1/4") ction as line : 0.48 Necessary (Both s Max loor unit is higher) e (VP 16) 2 5	ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 12.7 (1/2") Flare connection – ides), independent x.30 / Max.20 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. – 0 .0 e) / Terminal block (Screw fixing type)	
rain pump, ecommend .R.A. (Locke terconnection	Refrigerant piping si Connecting method Attached length of p Insulation for piping Refrigerant line (one Vertical height diff. b Drain hose max lift height led breaker size ed rotor ampere) ing wires Size	way) length	J and I/U	m m m m Mm A	Heatin Liqu	protection, Seriing overload prot iquid line: ϕ 6.3 Flare connective for the formation of	al signal error prote ection(High press 35 (1/4") ction as line : 0.48 Necessary (Both s Max loor unit is higher) e (VP 16) 2 5 ncluding earth cabl	ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 12.7 (1/2") Flare connection — ides), independent x.30 / Max.20 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. — 0 .0 e) / Terminal block (Screw fixing type) IPX4	
nstallation lata Drain pump, Recommend R.A. (Locke nterconnecti P number Vireless LAN	Refrigerant piping si Connecting method Attached length of p Insulation for piping Refrigerant line (one Vertical height diff. b Drain hose max lift height led breaker size ed rotor ampere) ing wires Size N connecting	way) length	J and I/U	m m m m Mm A	Heatin Liqu H	protection, Seriing overload prot iquid line: ϕ 6.3 Flare connective for the second	al signal error prote ection(High press 35 (1/4") ction as line : 0.48 Necessary (Both s Max loor unit is higher) e (VP 16) 2 5 ncluding earth cabl pment	ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 12.7 (1/2") Flare connection — ides), independent x.30 / Max.20 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. — 0 0 0 0 0 0 0 1 PX4 —	
nstallation lata Drain pump, Recommend R.A. (Locke nterconnecti P number Vireless LAN	Refrigerant piping si Connecting method Attached length of p Insulation for piping Refrigerant line (one Vertical height diff. b Drain hose max lift height led breaker size ed rotor ampere) ing wires Size N connecting	way) length	J and I/U	m m m m Mm A	Heatin Liqu H	protection, Seriing overload prot iquid line: ϕ 6.3 Flare connective for the second	al signal error prote ection(High press 35 (1/4") ction as line : 0.48 Necessary (Both s Max loor unit is higher) e (VP 16) 2 5 ncluding earth cabl pment	ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: φ 12.7 (1/2") Flare connection – ides), independent κ.30 / Max.20 (Outdoor unit is lower) Hole size φ 20 x 5 pcs. – 0 .0 .0 e) / Terminal block (Screw fixing type) IPX4 –	
nstallation data Drain pump, Recommend R.A. (Locke nterconnecti P number	Refrigerant piping si Connecting method Attached length of p Insulation for piping Refrigerant line (one Vertical height diff. b Drain hose max lift height led breaker size ed rotor ampere) ing wires Size	way) length	J and I/U	m m m m Mm A	Heatin Liqu H H 1.5m Mounting	protection, Seriing overload prot iquid line: ϕ 6.3 Flare connective for the second	al signal error prote ection(High press 35 (1/4") ction as line : 0.48 Necessary (Both s Max loor unit is higher) e (VP 16) 2 5 ncluding earth cabl pment Nergen clear filter x 1 BIKN2-E)	ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: φ 12.7 (1/2") Flare connection – ides), independent κ.30 / Max.20 (Outdoor unit is lower) Hole size φ 20 x 5 pcs. – 0 .0 .0 e) / Terminal block (Screw fixing type) IPX4 –	
nstallation data Drain pump, Recommend R.A. (Locke nterconnecti P number Wireless LAN Standard acc Option parts	Refrigerant piping si Connecting method Attached length of p Insulation for piping Refrigerant line (one Vertical height diff. b Drain hose max lift height led breaker size ed rotor ampere) ing wires Size	way) length between O/L	J and I/U	m m m A A	Heatin Liqu H H 1.5m Mounting	protection, Seriing overload prot iquid line: ϕ 6.3 Flare connection id line : 0.55 / G Max.20 (Outo lose connectable mm ² x 4 cores (In IPX0 Standard equi kit, Clean filter (A	al signal error prote ection(High press 35 (1/4") ction as line : 0.48 Necessary (Both s Max loor unit is higher) e (VP 16) 2 5 ncluding earth cabl pment Nergen clear filter x 1 BIKN2-E)	ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 12.7 (1/2") Flare connection — ides), independent x.30 / Max.20 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. — 0 .0 e) / Terminal block (Screw fixing type) IPX4 — , Photocatalytic washable deodorizing filter x —	
Drain pump, Accommend R.A. (Lockenterconnection P number Vireless LAN Standard acco Option parts	Refrigerant piping si Connecting method Attached length of p Insulation for piping Refrigerant line (one Vertical height diff. b Drain hose max lift height led breaker size ed rotor ampere) ing wires Size N connecting cessories	way) length between O/L e x Core nur	J and I/U	m m m A A A	Heatin Liqu Liqu H 1.5m Mounting In (Cann	protection, Seriing overload prot iquid line: ϕ 6.3 Flare connection id line : 0.55 / G Max.20 (Outo lose connectable mm ² x 4 cores (In IPX0 Standard equi kit, Clean filter (A	al signal error prote ection(High press 35 (1/4") ction as line : 0.48 Necessary (Both s Max loor unit is higher) e (VP 16) 2 5 ncluding earth cabl pment Nergen clear filter x 1 BIKN2-E) Wireless LAN) The pipe le	ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 12.7 (1/2") Flare connection — ides), independent x.30 / Max.20 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. — 0 0 0 0 e) / Terminal block (Screw fixing type) IPX4 — , Photocatalytic washable deodorizing filter x — ngth is 5m.	
nstallation data Drain pump, Recommend R.A. (Locke nterconnecti P number Wireless LAN Standard acc Option parts Notes (1) Th	Refrigerant piping si Connecting method Attached length of p Insulation for piping Refrigerant line (one Vertical height diff. b Drain hose max lift height led breaker size ed rotor ampere) ing wires Size V connecting cessories	way) length between O/L e x Core nur	J and I/U mber owing conditio	m m m A A A	Heatin Liqu Liqu H 1.5m Mounting In (Cann	protection, Seri ng overload prot iquid line: ϕ 6.3 Flare connec iid line : 0.55 / G Max.20 (Outd lose connectable 	al signal error prote ection(High press 35 (1/4") ction as line : 0.48 Necessary (Both s Max loor unit is higher) e (VP 16) 2 5 ncluding earth cabl pment Nlergen clear filter x 1 BIKN2-E) Wireless LAN)	ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: φ 12.7 (1/2") Flare connection — ides), independent x.30 / Max.20 (Outdoor unit is lower) Hole size φ 20 x 5 pcs. — 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
nstallation data Drain pump, Recommend R.A. (Locke nterconnecti P number Wireless LAN Standard acc Option parts Notes (1) Th	Refrigerant piping si Connecting method Attached length of p Insulation for piping Refrigerant line (one Vertical height diff. b Drain hose max lift height led breaker size ed rotor ampere) ing wires Size N connecting cessories he data are measured Item	way) length between O/L e x Core nur d at the foll- Indoor ai	J and I/U mber owing conditio	m m m A A A	Heatin Liqu Liqu H 1.5m Mounting In (Cann Dutdoor air	protection, Seriing overload protection, Seriing overload protection and the series of	al signal error prote ection(High press 35 (1/4") ction as line : 0.48 Necessary (Both s Max loor unit is higher) e (VP 16) 2 5 ncluding earth cabl pment Nergen clear filter x 1 BIKN2-E) Wireless LAN) The pipe le	ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: φ 12.7 (1/2") Flare connection — ides), independent x.30 / Max.20 (Outdoor unit is lower) Hole size φ 20 x 5 pcs. — 0 .0 .0 e) / Terminal block (Screw fixing type) IPX4 — , Photocatalytic washable deodorizing filter x — ngth is 5m.	
nstallation data Drain pump, Recommend R.A. (Locke nterconnecti P number Wireless LAN Standard acc Option parts Notes (1) Th	Refrigerant piping si Connecting method Attached length of p Insulation for piping Refrigerant line (one Vertical height diff. b Drain hose max lift height led breaker size ed rotor ampere) ing wires Size N connecting cessories he data are measured ltem eration	way) length between O/L e x Core nut d at the foll Indoor ai DB	owing condition ir temperature WB	m m m A A A	Heatin Liqu Liqu H 1.5m Mounting In (Cann Dutdoor air DB	protection, Seriing overload protection, Seriing overload protection of the series of	al signal error prote tection(High press 35 (1/4") ction as line : 0.48 Necessary (Both s Max loor unit is higher) e (VP 16) 2 5 ncluding earth cabl pment Allergen clear filter x 1 BIKN2-E) Wireless LAN) The pipe le	ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 12.7 (1/2") Flare connection — ides), independent k.30 / Max.20 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. — 0 .0 e) / Terminal block (Screw fixing type) IPX4 — , Photocatalytic washable deodorizing filter x — ngth is 5m. 3 1	

				Model				SX-WFT					
Item					Indo	oor unit SRK		Outdoor unit SRC20ZSX-W					
Power sourc	1						,	V, 50Hz / 220V, 60Hz					
	Nominal cooling ca		,	kW				.) - 3.4 (Max.))					
	Nominal heating ca		e)	kW			2.7 (0.8(Min	.) - 5.5 (Max.))					
	Heating capacity (H	12)	1	kW		-							
			Cooling					16 - 0.76)					
	Power consumptio	Heating (H2)					0.47 (0.1	14 - 1.36)					
								-					
	Max power consun	nption		ļ				92					
	Running current		Cooling				,	220/ 230/ 240 V)					
			Heating	A			,	220/ 230/ 240 V)					
Operation	Inrush current, max					Лах. 9							
data	Power factor		Cooling	%				76					
			Heating					31					
	EER		Cooling	-				45					
	COP		Heating	-				74					
			Heating (H2)					-					
	Sound power level		Cooling	-		53		56					
			Heating		11: 00	55	. 04 11 10	58					
	Sound pressure lev	/el	Cooling	dB(A)	L		b: 24 ULo: 19	43 45					
	Cilont media	processes 1	Heating	-	HI: 38		o: 25 ULo: 19						
Vtories -!!	Silent mode sound					205 x 020	× 220	Cooling:33 / Heating:38					
	ensions (Height x Wi	um x Deptn)		mm	Titani	305 x 920		640 x 800(+71) x 290					
Exterior app (Equivalent o							69/0.63),(RAL7048) .25),(RAL:9011)	Stucco white Munsell : (4.2Y 7.5/1.1), RAL : 7004					
Vet weight				kg		4.0PB 2.44/0 13	.20 /,(1012.0011)	43.0					
	type & Quantity			Ng				RMT5111SWE3(Twin rotary type) x 1					
	motor (Starting meth	nod)		kW				0.75 (Inverter driven)					
	ant oil (Amount, type)							0.35 (DIAMOND FREEZE MB75)					
-			L kg			outdoor unit (Incl. th	ne amount for the piping of 15m)						
Refrigerant (Type, amount, pre-charge length) Heat exchanger				Ng			grooved tubing	M fins & inner grooved tubing					
Refrigerant control					Louver		• •	tronic expansion valve					
Fan type & Quantity						Tangential		Propeller fan x 1					
	in motor (Starting method)					42 x1 (Direc		34 x1 (Direct drive)					
	. Cooling				Li. 11 2	,	.o: 6.0 ULo: 5.0	31.0					
Air flow	low Heating						Lo: 7.2 ULo: 5.4	31.0					
	vailable external static pressure				FII. 12.2	0	_0. 7.2 OL0. 5.4	0					
Outside air i	· · · · · · · · · · · · · · · · · · ·			Pa		Not pose	sible						
	ality / Quantity				Polypr		Washable) x 2						
	ration absorber					ber sleeve (fo	, ,	Rubber sleeve (for fan motor & compress					
Electric heat					nuu	iber sleeve (it							
	Remote control						Wiroloss ro						
Operation	Room temperature	control			Wireless remote control Microcomputer thermostat								
controlt	Operation display	CONTION				Microcomputer thermostat RUN: Green, TIMER: Yellow, ECO: Blue							
Safety equip	oments				Heating	ction, Overcurrent protection, ection, Indoor fan motor error protection, ure control), Cooling overload protection							
	Refrigerant piping			mm	Lie	quid line: ϕ 6	()	Gas line: φ 9.52 (3/8")					
	Connecting method					Flare conn		Flare connection					
nstallation	Attached length of			m	Liquic	1 line : 0.55 /	Gas line : 0.48	—					
data	Insulation for piping	•					,	sides), independent					
	Refrigerant line (on	<u>,,</u>		m		May 15/5		x.25					
	Vertical height diff.	between O/	U and I/U	m			e ,	/ Max.15 (Outdoor unit is lower)					
<u>.</u>	Drain hose				Ho	se connectat	ole (VP 16)	Hole size ϕ 20 x 5 pcs.					
	max lift height			mm		-		–					
	led breaker size			A				16					
	ed rotor ampere)	_		A		<u> </u>		.5					
nterconnect	ting wires Siz	ze x Core nu	mber	ļ	1.5mr			le) / Terminal block (Screw fixing type)					
P number						IPX0		IPX4					
	N connecting					Standard eq							
Standard ac Option parts					Inte	erface kit (SC		1, Photocatalytic washable deodorizing filter x					
option parte	he data are measure	ed at the fol	lowing condition	ons.		- 50 0000 WIL	,	I ength is 5m.					
		Indoor a	ir temperature	0	outdoor air te	emperature	0	-					
	Item					WB	 Standards 	s					
Notes (1) T		DB	WB		DB	VVD							
Notes (1) T		DB 27°C	19°C		35°C	24°C	ISO5151-1	<u>г</u>					
Notes (1) T	eration						ISO5151-7 ISO5151-F						
Notes (1) T	eration Cooling	27°C	19°C		35°C	24°C		11					

RWA000Z271 🛕

				Model			SRK25Z					
Item					Inc	loor unit SRK25		Outdoor unit SRC25ZSX-W				
Power source						1		/, 50Hz / 220V, 60Hz				
	Nominal cooling ca		,	kW			2.5 (0.9(Min.					
	Nominal heating ca		e)	kW			3.2 (0.8(Min.) - 6.0 (Max.))				
	Heating capacity (H	12)	Casling	kW								
	Power consumption	2	Cooling Heating		0.44 (0.16 - 0.91) 0.59 (0.14 - 1.54)							
	Power consumption	1	Heating (H2)	kW			0.59 (0.1	4 - 1.54)				
	Max power consum	Max power consumption										
	Cooling						2.5 / 2.4 / 2.3 (2					
	Running current		Heating	А			3.2 / 3.0 / 2.9 (2					
Operation	Inrush current, max	current	Thousang					lax. 9				
lata		ounone	Cooling					0				
	Power factor		Heating	%				5				
	EER		Cooling				5.	68				
			Heating				5.	42				
	COP		Heating (H2)				-	_				
			Cooling			55		57				
	Sound power level		Heating			56		58				
			Cooling	dB(A)	Hi: 3	9 Me: 33 Lo:	25 ULo: 19	44				
	Sound pressure lev	ei	Heating		Hi: 4	0 Me: 34 Lo:	27 ULo: 19	45				
	Silent mode sound	pressure lev		1		_		Cooling:35 / Heating:39				
xterior dim	ensions (Height x Wid	th x Depth)		mm		305 x 920 x	220	640 x 800(+71) x 290				
Exterior app							0.63),(RAL7048)	Stucco white				
Equivalent of	color)				Black	4.0PB 2.44/0.2	5),(RAL:9011)	Munsell : (4.2Y 7.5/1.1), RAL : 7004				
let weight				kg		13		43.0				
	r type & Quantity					-		RMT5111SWE3(Twin rotary type) x				
	r motor (Starting meth	iod)		kW L		-		0.75 (Inverter driven)				
	gerant oil (Amount, type)					-		0.35 (DIAMOND FREEZE MB75)				
Refrigerant (Type, amount, pre-charge length)				kg				ne amount for the piping of 15m)				
leat exchanger					Louve	er fins & inner gr	0	M fins & inner grooved tubing				
efrigerant control								tronic expansion valve				
	n type & Quantity					Tangential fa		Propeller fan x 1				
an motor (motor (Starting method)			W		42 x1 (Direct	,	34 x1 (Direct drive)				
Air flow			Cooling	m³/min	Hi: 12.		6.7 ULo: 5.0	31.0				
	Heating				Hi: 12.8	3 Me: 11.0 Lo	7.8 ULo: 5.4	31.0				
	vailable external static pressure					0		0				
Dutside air i						Not possib						
	ality / Quantity					ropylene net (W	,					
	ration absorber				Ru	bber sleeve (for	fan motor)	Rubber sleeve (for fan motor & compres				
lectric heat						-						
Deeration	Remote control				Wireless remote control							
ontrolt	Room temperature	control			Microcomputer thermostat							
	Operation display							R: Yellow , ECO: Blue				
Safety equip					Heatir	tion, Overcurrent protection, action, Indoor fan motor error protection, ure control), Cooling overload protection						
	Refrigerant piping s	, ,		mm	L	iquid line: ϕ 6.3	, ,	Gas line: ϕ 9.52 (3/8")				
	Connecting method					Flare connec		Flare connection				
	Attached length of			m	Liqu	id line : 0.55 / Ga						
stallation						ſ		ides), independent				
	Insulation for piping	,	Refrigerant line (one way) length				Max.25					
	Refrigerant line (on	, e way) lengtł		m		May 15 / Out-1						
	Refrigerant line (on Vertical height diff.	, e way) lengtł		m m	,,,		oor unit is higher)	/ Max.15 (Outdoor unit is lower)				
ata	Refrigerant line (on Vertical height diff. Drain hose	, e way) lengtł		m	Н	Max.15 (Outd ose connectable	oor unit is higher)	/ Max.15 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs.				
lata Drain pump,	Refrigerant line (on Vertical height diff. Drain hose , max lift height	, e way) lengtł		m mm	Н		oor unit is higher) (VP 16)	/ Max.15 (Outdoor unit is lower) Hole size φ 20 x 5 pcs. –				
lata Drain pump, Recommend	Refrigerant line (on Vertical height diff. Drain hose , max lift height ded breaker size	, e way) lengtł		m mm A	H		oor unit is higher) (VP 16) 1	/ Max.15 (Outdoor unit is lower) Hole size φ 20 x 5 pcs. – 6				
ata Drain pump, Recommend R.A. (Lock	Refrigerant line (on Vertical height diff. Drain hose , max lift height ded breaker size ted rotor ampere)	e way) lengtl between O/l	J and I/U	m mm		ose connectable	cor unit is higher) (VP 16) 1 3	/ Max.15 (Outdoor unit is lower) Hole size φ 20 x 5 pcs. – 6 .0				
ata Prain pump, Recommend .R.A. (Lock hterconnec	Refrigerant line (on Vertical height diff. Drain hose , max lift height ded breaker size ted rotor ampere)	, e way) lengtł	J and I/U	m mm A		ose connectable — m ² x 4 cores (Ir	cor unit is higher) (VP 16) 1 3	/ Max.15 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. – 6 .0 e) / Terminal block (Screw fixing type)				
ata Prain pump, lecommeno .R.A. (Lock hterconnec P number	Refrigerant line (on. Vertical height diff. Drain hose , max lift height ded breaker size ted rotor ampere) ting wires	e way) lengtl between O/l	J and I/U	m mm A		ose connectable 	cor unit is higher) (VP 16) 1 3 cluding earth cabl	/ Max.15 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. – 6 .0 e) / Terminal block (Screw fixing type) IPX4				
Drain pump, Recommend R.A. (Lock nterconnect P number Vireless LA	Refrigerant line (on Vertical height diff. Drain hose , max lift height ded breaker size and rotor ampere) ting wires Size N connecting	e way) lengtl between O/l	J and I/U	m mm A	1.5m	ose connectable 	cor unit is higher) (VP 16) 1 3 1 1 3 1 1 3 1 1 3 1 1 3 1 1 3 1 1 3 1 1 3 1 1 1 3 1	/ Max.15 (Outdoor unit is lower) Hole size φ 20 x 5 pcs. – 6 .0 e) / Terminal block (Screw fixing type) IPX4 –				
Jata Drain pump, Recommenc R.A. (Lock nterconnec: P number P number Vireless LAI Standard ac	Refrigerant line (on Vertical height diff. Drain hose , max lift height ded breaker size ed rotor ampere) ting wires Siz N connecting ccessories	e way) lengtl between O/l	J and I/U	m mm A	1.5m Mounting	ose connectable 	bor unit is higher) (VP 16) 1 3 acluding earth cable boment llergen clear filter x 1 BIKN2-E)	/ Max.15 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. – 6 .0 e) / Terminal block (Screw fixing type) IPX4				
Jata Drain pump, Recommenc R.A. (Lock nterconnec: P number Vireless LAI Standard ac Option parts	Refrigerant line (on Vertical height diff. Drain hose , max lift height ded breaker size ed rotor ampere) ting wires Siz N connecting ccessories	e way) lengtl between O/l	J and I/U	m mm A A	1.5m Mounting	m² x 4 cores (Ir IPX0 Standard equij kit, Clean filter (A terface kit (SC-1	bor unit is higher) (VP 16) 1 3 acluding earth cable boment llergen clear filter x 1 BIKN2-E)	/ Max.15 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. – 6 .0 e) / Terminal block (Screw fixing type) IPX4 – , Photocatalytic washable deodorizing filter x –				
Prain pump, Recommend .R.A. (Lock Interconnect P number Vireless LAI Standard act Option parts	Refrigerant line (on Vertical height diff. Drain hose , max lift height ded breaker size ted rotor ampere) ting wires Siz N connecting ccessories	e way) lengti between O/l e x Core nu ed at the foll	J and I/U	m mm A A	1.5m Mounting In (Cann	m² x 4 cores (Ir IPX0 Standard equij kit, Clean filter (A terface kit (SC-1	bor unit is higher) (VP 16) 1 3 acluding earth cable bornent llergen clear filter x 1 BIKN2-E) Wireless LAN) The pipe le	/ Max.15 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. – 6 0 e) / Terminal block (Screw fixing type) IPX4 – , Photocatalytic washable deodorizing filter x – ngth is 5m.				
Iata Drain pump, Recommenc R.A. (Lock nterconnec: P number Vireless LAI Standard ac Option parts Notes (1) T	Refrigerant line (on Vertical height diff. Drain hose , max lift height ded breaker size ed rotor ampere) ting wires Size N connecting ccessories s 'he data are measure	e way) lengti between O/l e x Core nu ed at the foll	J and I/U mber owing conditio	m mm A A	1.5m Mounting In (Cann	m² x 4 cores (Ir IPX0 Standard equi kit, Clean filter (A terface kit (SC- ot be used with	bor unit is higher) (VP 16) 1 3 3 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5	/ Max.15 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. – 6 0 e) / Terminal block (Screw fixing type) IPX4 – , Photocatalytic washable deodorizing filter x – ngth is 5m.				
Drain pump, Recommenc R.A. (Lock nterconnec: P number Vireless LAI Standard ac Option parts Notes (1) T	Refrigerant line (on Vertical height diff. Drain hose , max lift height ded breaker size ted rotor ampere) ting wires Size N connecting ccessories s he data are measure Item	e way) lengti between O/l ze x Core nu ed at the foll Indoor a	J and I/U mber owing conditio	m mm A A	1.5m Mounting In (Cann uutdoor air DB 35°C	m² x 4 cores (Ir IPX0 Standard equi kit, Clean filter (A terface kit (SC- ot be used with temperature WB 24°C	bor unit is higher) (VP 16) 1 3 acluding earth cable bornent llergen clear filter x 1 BIKN2-E) Wireless LAN) The pipe le	/ Max.15 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. – 6 .0 e) / Terminal block (Screw fixing type) IPX4 – , Photocatalytic washable deodorizing filter x – ngth is 5m.				
Recommend R.A. (Lock nterconnect P number Wireless LAI Standard act Option parts Notes (1) T	Refrigerant line (on Vertical height diff. Drain hose , max lift height ded breaker size ted rotor ampere) ting wires Size N connecting ccessories s The data are measure litem eration	e way) lengti between O/l e x Core nu ed at the foll Indoor a DB	owing condition	m mm A A	1.5m Mounting In (Cann Putdoor air DB	m ² x 4 cores (Ir IPX0 Standard equi kit, Clean filter (A terface kit (SC- ot be used with temperature WB	bor unit is higher) (VP 16) 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 1 3 1 1 3 1 1 3 1 1 3 1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1	/ Max.15 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. – 6 .0 e) / Terminal block (Screw fixing type) IPX4 – , Photocatalytic washable deodorizing filter x – ngth is 5m. 3 1 1				

				Model	L				SX-WFT				
Item					Indo	oor unit SR			Outdoor unit SRC35ZSX-W				
Power sourc	e						1 Ph	ase, 220 - 240\	V, 50Hz / 220V, 60Hz				
	Nominal cooling ca	1 1	,	kW				3.5 (0.9(Min.	.) - 4.5 (Max.))				
	Nominal heating ca	pacity (rang	le)	kW				4.3 (0.8(Min.	.) - 6.8 (Max.))				
	Heating capacity (H	12)		kW				-	_				
			Cooling			0.74 (0.16 - 1.27)							
	Power consumption Heating							0.90 (0.1	14 - 1.87)				
		kW				-	_						
	Max power consun	Aax power consumption					-	1.9	92				
			Cooling				3	3.7 / 3.5 / 3.4 (2	220/230/240 V)				
	Running current	A				220/230/240V)							
Operation	Inrush current, max		1				4.3 N	/ax. 9					
data			Cooling						91				
	Power factor		Heating	%					02				
	EER		Cooling						73				
			Heating	-					78				
	COP			-									
			Heating (H2)										
	Sound power level		Cooling			5	-		61				
			Heating			5	-		62				
	Sound pressure lev	/el	Cooling	dB(A)		3 Me: 35			48				
			Heating]	Hi: 42	2 Me: 35	Lo: 28	ULo: 19	47				
	Silent mode sound	pressure lev	vel						Cooling:38 / Heating:43				
Exterior dime	ensions (Height x Wid	dth x Depth)		mm		305 x 92	20 x 220	0	640 x 800(+71) x 290				
Exterior app	earance				Titanium c	gray(1.6Y 6	3.59/0.6	3),(RAL7048)	Stucco white				
Equivalent o						4.0PB 2.44			Munsell: (4.2Y 7.5/1.1), RAL: 700				
Net weight				kg		1	3		43.0				
Compressor	type & Quantity					_	_		RMT5111SWE3(Twin rotary type) x				
	motor (Starting meth	lod)		kW		-	_		0.90 (Inverter driven)				
	il (Amount, type)			L	1	_			0.35 (DIAMOND FREEZE MB75)				
•	frigerant (Type, amount, pre-charge length)					B32 1 20	in outd	oor unit (Incl. th	ne amount for the piping of 15m)				
				kg		r fins & inne		,	M fins & inner grooved tubing				
leat exchanger					Louver				,				
Refrigerant control							· ·		tronic expansion valve				
	an type & Quantity					Tangentia			Propeller fan x 1				
an motor (S	n motor (Starting method)			W		42 x1 (Dir		,	34 x1 (Direct drive)				
Air flow	flow				Hi: 13.1	Me: 10.8	Lo: 7.	3 ULo: 5.0	36.0				
	Heating				Hi: 13.9	Me: 11.8	Lo: 8.	6 ULo: 5.4	31.0				
Available ext	wailable external static pressure					()		0				
Outside air ir	ntake					Not po	ssible		-				
Air filter, Qua	lity / Quantity			1	Polypr	ropylene ne	t (Was	hable) x 2	-				
Shock & vibr	ation absorber	-			Rub	ber sleeve	(for far	n motor)	Rubber sleeve (for fan motor & compres				
Electric heat	er				1	-	_	,	_				
	Remote control							Wireless rer	note control				
Operation	Room temperature	control			Microcomputer thermostat								
controlt	Operation display	Control					BLIN		R: Yellow , ECO: Blue				
Safety equip	,					protection, S	oressor Serial si	overheat protectignal error protection	ction, Overcurrent protection, ection, Indoor fan motor error protection, ure control), Cooling overload protectior				
	Refrigerant piping s	size (O.D)		mm	Lie	quid line: ¢	6.35 (1/4")	Gas line:				
	Connecting method	Ł				Flare cor	nnectio	n	Flare connection				
	Attached length of	piping		m	Liquic	d line : 0.55	/ Gas I	ine : 0.48	_				
nstallation	Insulation for piping	<u></u>		1					sides), independent				
lata	Refrigerant line (on		h	m				,	x.25				
	Vertical height diff.	., .		m		Max.15(0	Jutdoor		/ Max.15 (Outdoor unit is lower)				
	Drain hose				Ha	se connect		0,	Hole size ϕ 20 x 5 pcs.				
Drain nume	max lift height			mm	10				-				
								4					
	led breaker size			A					6				
	ed rotor ampere)			A		2 .			.3				
nterconnect	ing wires Siz	ze x Core nu	IIIDer		1.5mr		`	uting earth cabl	le) / Terminal block (Screw fixing type)				
P number					ļ	IP)			IPX4				
	l connecting			ļ		Standard e			_				
Standard ac					Inte	erface kit (SC-BIK	(N2-E)	1, Photocatalytic washable deodorizing filter				
	ne data are measure	ed at the fol	lowing conditio	 ons	(Canno	ot be used v	vith Wir	,					
	is unit are measure							The pipe le	ngui is om.				
		Indoor a	·	0	Outdoor air te			Standards	8				
Notes (1) Ti	Item					WB	1	Standarus	~				
Notes (1) Ti	eration Item	DB	WB		DB WB Oranization 35°C 24°C ISO5151-T1								
Notes (1) Ti		DB 27°C	19°C					ISO5151-T	F1				
Notes (1) Ti	eration							ISO5151-T ISO5151-H					
Notes (1) Ti	eration Cooling	27°C	19°C		35°C	24°C			11				

				Model					SX-WFT				
Item					Ind	oor unit SI		-	Outdoor unit SRC50ZSX-W(-W1,-W2)				
Power sourc	1						1 PI		V, 50Hz / 220V, 60Hz				
	Nominal cooling ca		,	kW					.) - 6.2 (Max.))				
	Nominal heating ca		e)	kW				6.0 (0.8(Min	.) - 8.2 (Max.))				
	Heating capacity (H	2)		kW				-					
			Cooling					(19 - 1.90)				
	Power consumption	1	Heating	kW				1.36 (0.1	18 - 2.46)				
		Heating (H2)						-	_				
	Max power consum	ption						2.	90				
	Bupping ourrent		Cooling					5.7 / 5.4 / 5.2 (2	220/ 230/ 240 V)				
	Running current		Heating	A				6.2 / 6.0 / 5.7 (2	220/ 230/ 240 V)				
Operation	Inrush current, max	current		1				5.0 M	ax. 15				
lata			Cooling					ç	99				
	Power factor		Heating	%				ç	99				
	EER		Cooling					4	03				
			Heating						41				
	COP		Heating (H2)						_				
			Cooling			ı	59		63				
	Sound power level		Heating				53 52		61				
					115.4		-	111 00	51				
	Sound pressure lev	el	Cooling	dB(A)		4 Me: 39			-				
			Heating		HI: 4	7 Me: 41		UL0: 23	49				
	Silent mode sound		ei						Cooling:42 / Heating:43				
	ensions (Height x Wic	tn x Depth)		mm		305 x 9		-	640 x 800(+71) x 290				
Exterior app								63),(RAL7048)	Stucco white				
Equivalent of	color)				Black(,(RAL:9011)	Munsell : (4.2Y 7.5/1.1), RAL : 7004				
let weight				kg			13		45				
	type & Quantity			kW			_		RMT5113SWE11(Twin rotary type) x				
Compressor	essor motor (Starting method)						_		1.50 (Inverter driven)				
Refrigerant of	erant oil (Amount, type)						_		0.45 (DIAMOND FREEZE MB75)				
Refrigerant (Type, amount, pre-ch	kg		R32 1.30	in outo	loor unit (Incl. th	ne amount for the piping of 15m)						
eat exchanger					Louve	er fins & inn	er groo	ved tubing	M fins & inner grooved tubing				
efrigerant control							Capill	ary tubes + Elec	tronic expansion valve				
an type & Quantity						Tangent			Propeller fan x 1				
	motor (Starting method)					42 x1 (Di			34 x1 (Direct drive)				
	Cooling				Hi: 14 (.8 ULo: 5.4	39.0				
Air flow	low Heating							.8 ULo: 6.2	33.0				
	ailable external static pressure				FII. 17.x		0	.0 010.0.2	0				
	· · · · · · · · · · · · · · · · · · ·			Pa			-		-				
Dutside air i							ossible		—				
	ality / Quantity							shable) x 2	_				
	ration absorber				Ru	bber sleeve	e (for fa	n motor)	Rubber sleeve (for fan motor & compress				
Electric heat	ter						_		-				
Operation	Remote control							Wireless rei	mote control				
controlt	Room temperature	control						Microcomput	ter thermostat				
ontion	Operation display				RUN: Green , TIMER: Yellow , ECO: Blue								
Safety equip					Heatir	protection, ig overload	Serial s protec	signal error prote tion(High press	ction, Overcurrent protection, ection, Indoor fan motor error protection, ure control), Cooling overload protection				
	Refrigerant piping s	, ,		mm	L	iquid line:	<i>.</i>	,	Gas line:				
	Connecting method					Flare co			Flare connection				
	Attached length of	biping		m	Liqui	d line : 0.5	5 / Gas	line : 0.48	_				
notallati							Ne	cessary (Both s	ides), independent				
	Insulation for piping						Necessary (Both sides), independent						
	Insulation for piping Refrigerant line (one		า	m	Max.30								
		e way) lengtl		m m		Max.20 (Outdoo		x.30 / Max.20 (Outdoor unit is lower)				
	Refrigerant line (one	e way) lengtl			H	Max.20 (ose connec		r unit is higher)					
lata	Refrigerant line (one Vertical height diff.	e way) lengtl			H	(r unit is higher)	/ Max.20 (Outdoor unit is lower)				
lata Drain pump,	Refrigerant line (one Vertical height diff. I Drain hose max lift height	e way) lengtl		m mm	H	(r unit is higher) VP 16)	/ Max.20 (Outdoor unit is lower) Hole size φ 20 x 5 pcs. —				
lata Drain pump, Recommenc	Refrigerant line (one Vertical height diff. I Drain hose max lift height ded breaker size	e way) lengtl		m mm A	H	(r unit is higher) VP 16) 2	/ Max.20 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs.				
ata Drain pump, Recommend R.A. (Lock	Refrigerant line (one Vertical height diff. I Drain hose max lift height ded breaker size ed rotor ampere)	e way) lengtl between O/l	J and I/U	m mm		ose connec	table (r unit is higher) VP 16) 2 5	/ Max.20 (Outdoor unit is lower) Hole size φ 20 x 5 pcs. - 20 .0				
ata Prain pump, Recommence .R.A. (Lock nterconnect	Refrigerant line (one Vertical height diff. I Drain hose max lift height ded breaker size ed rotor ampere)	e way) lengtl	J and I/U	m mm A		ose connec	etable (es (Incl	r unit is higher) VP 16) 2 5	/ Max.20 (Outdoor unit is lower) Hole size φ 20 x 5 pcs. - 20 .0 le) / Terminal block (Screw fixing type)				
ata Prain pump, lecommeno .R.A. (Lock hterconnect P number	Refrigerant line (one Vertical height diff. Drain hose max lift height ded breaker size ed rotor ampere) ting wires Size	e way) lengtl between O/l	J and I/U	m mm A		ose connections m ² x 4 core	etable (es (Incl ex (Ncl	r unit is higher) VP 16) 2 5 uding earth cab	/ Max.20 (Outdoor unit is lower) Hole size φ 20 x 5 pcs. - 20 .0 le) / Terminal block (Screw fixing type) IPX4				
ata Prain pump, lecommend .R.A. (Lock nterconnect P number Vireless LAI	Refrigerant line (one Vertical height diff. Drain hose max lift height ded breaker size ed rotor ampere) ting wires Size N connecting	e way) lengtl between O/l	J and I/U	m mm A	1.5m	ose connections m ² x 4 core IF Standard	etable (— es (Incl 2X0 equipm	r unit is higher) VP 16) 2 5 uding earth cab	/ Max.20 (Outdoor unit is lower) Hole size φ 20 x 5 pcs. – 20 .0 le) / Terminal block (Screw fixing type) IPX4 –				
Drain pump, Recommenc R.A. (Lock nterconnect P number Vireless LAI Standard ac	Refrigerant line (one Vertical height diff. I Drain hose max lift height ded breaker size ed rotor ampere) ting wires Size N connecting cessories	e way) lengtl between O/l	J and I/U	m mm A	1.5m Mounting	ose connec m ² x 4 core IF Standard kit, Clean filt terface kit (es (Incl 2X0 equipm er (Alle SC-BII	r unit is higher) VP 16) 2 5 uding earth cab nent rgen clear filter x <n2-e)<="" td=""><td>/ Max.20 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. – 20 .0 le) / Terminal block (Screw fixing type) IPX4</td></n2-e>	/ Max.20 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. – 20 .0 le) / Terminal block (Screw fixing type) IPX4				
Prain pump, Recommenc .R.A. (Lock hterconnect P number Vireless LAP tandard ac Option parts	Refrigerant line (one Vertical height diff. I Drain hose max lift height ded breaker size ed rotor ampere) ting wires Size N connecting cessories	e way) lengti between O/l	J and I/U	m mm A A	1.5m Mounting	ose connec m ² x 4 core IF Standard kit, Clean filt terface kit (es (Incl 2X0 equipm er (Alle SC-BII	r unit is higher) VP 16) 2 5 uding earth cab nent rgen clear filter x (N2-E) reless LAN)	/ Max.20 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. 				
Prain pump, Recommenc .R.A. (Lock hterconnect P number Vireless LAP tandard ac Option parts	Refrigerant line (one Vertical height diff. I Drain hose max lift height ded breaker size ed rotor ampere) ting wires Size N connecting cessories he data are measure	e way) lengti between O/l e x Core nu d at the foll	J and I/U mber owing conditio	m mm A A	1.5m Mounting In (Canno	m² x 4 corre IF Standard kit, Clean filt terface kit (ot be used	equipm equipm ser (Alle SC-BII with Wi	r unit is higher) VP 16) 2 5 uding earth cab nent rgen clear filter x <n2-e)<="" td=""><td>/ Max.20 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. </td></n2-e>	/ Max.20 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. 				
Iata Drain pump, Recommenc R.A. (Lock nterconnect P number Vireless LAI Standard ac Option parts Notes (1) T	Refrigerant line (one Vertical height diff. I Drain hose max lift height ded breaker size ed rotor ampere) ting wires Siz N connecting cessories he data are measure Item	e way) lengti between O/l e x Core nu d at the foll Indoor a	J and I/U mber owing condition	m mm A A	1.5m Mounting In (Canno Dutdoor air 1	m ² x 4 core IF Standard kit, Clean filt terface kit (ot be used	equipm equipm ser (Alle SC-BII with Wi	r unit is higher) VP 16) 2 5 uding earth cab nent rgen clear filter x (N2-E) reless LAN)	/ Max.20 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. 				
Iata Drain pump, Recommenc R.A. (Lock nterconnect P number Vireless LAI Standard ac Option parts Notes (1) T	Refrigerant line (one Vertical height diff. I Drain hose max lift height ded breaker size ed rotor ampere) ting wires Siz N connecting cessories he data are measure litem eration	e way) lengti between O/l e x Core nu d at the foll Indoor a DB	owing condition ir temperature WB	m mm A A	1.5m Mounting In (Canno Dutdoor air t DB	m ² x 4 core IF Standard kit, Clean filt terface kit (ot be used temperature WB	equipm equipm ser (Alle SC-BII with Wi	r unit is higher) VP 16) 2 5 uding earth cab nent gen clear filter x (N2-E) reless LAN) The pipe le Standard:	/ Max.20 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. 				
Recommend R.A. (Lock nterconnect P number Wireless LAI Standard ac Option parts Notes (1) T	Refrigerant line (one Vertical height diff. I Drain hose max lift height ded breaker size ed rotor ampere) ting wires Siz N connecting cessories he data are measure reation Item Cooling	e way) lengti between O/l e x Core nu d at the foll Indoor a DB 27°C	owing condition ir temperature WB 19°C	m mm A A	1.5m Mounting In (Canno Dutdoor air t DB 35°C	m ² x 4 core IF Standard kit, Clean filt terface kit (ot be used temperature WB 24°C	equipm equipm ser (Alle SC-BII with Wi	r unit is higher) VP 16) 2 5 uding earth cab nent gen clear filter x (N2-E) reless LAN) The pipe le Standard: ISO5151-1	/ Max.20 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. 				
Iata Drain pump, Recommenc R.A. (Lock nterconnect P number Vireless LAI Standard ac Option parts Notes (1) T	Refrigerant line (one Vertical height diff. I Drain hose max lift height ded breaker size ed rotor ampere) ting wires Siz N connecting cessories he data are measure litem eration	e way) lengti between O/l e x Core nu d at the foll Indoor a DB	owing condition ir temperature WB	m mm A A	1.5m Mounting In (Canno Dutdoor air t DB	m ² x 4 core IF Standard kit, Clean filt terface kit (ot be used temperature WB	equipm equipm ser (Alle SC-BII with Wi	r unit is higher) VP 16) 2 5 uding earth cab nent gen clear filter x (N2-E) reless LAN) The pipe le Standard:	/ Max.20 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. 				

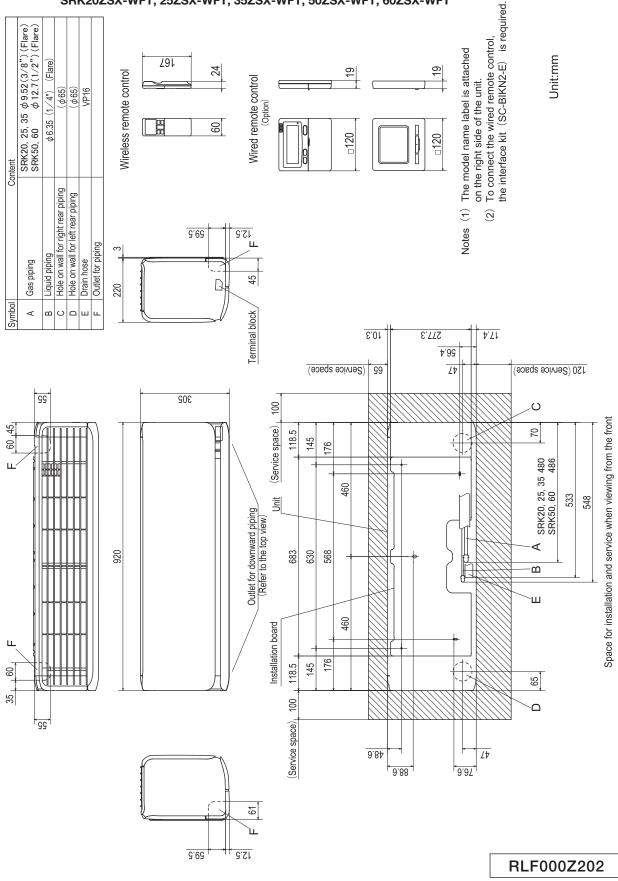
D			Model	<u> </u>			SRK60Z					
Item				Indo	or unit SRI			Outdoor unit SRC60ZSX-W(-W1)				
Power sourc	1					1 Pha		/, 50Hz / 220V, 60Hz				
	Nominal cooling capacity (kW				6.1 (1.0(Min.)					
	Nominal heating capacity (ange)	kW				6.8 (0.8(Min.)) - 8.8 (Max.))				
	Heating capacity (H2)		kW					-				
		Cooling					1.71 (0.1	9 - 2.50)				
	Power consumption	kW				1.65 (0.2	0 - 2.86)					
		2) KVV					-					
	Max power consumption						2.9	90				
		Cooling				7	.9/7.5/7.2(2	20/230/240 V)				
	Running current	Heating	A			20/230/240 V)						
Operation	Inrush current, max current					ax. 15						
data	initiasi current, max current	Cooling		+			99					
lata	Power factor	Heating	- %				9					
		v	_									
	EER	Cooling	_				3.5					
	COP	Heating					4.1					
		Heating (H	2)	L								
	Sound power level	Cooling			62			65				
		Heating			63	1		64				
		Cooling	dB(A)	Hi: 48	Me: 41 L	_o: 33	ULo: 22	52				
	Sound pressure level	Heating	7	Hi: 47	Me: 42 L	o: 34	ULo: 23	53				
	Silent mode sound pressur		1			-		Cooling:42 / Heating:43				
xterior dim	ensions (Height x Width x De		mm	1	305 x 92	0 x 220	,	640 x 800(+71) x 290				
Exterior app		- 7		Titanium ou			, 3),(RAL7048)	Stucco white				
Equivalent c					1.0PB 2.44/			Munsell : (4.2Y 7.5/1.1), RAL : 7004				
Vet weight	/		kg		13		,	45				
•	type & Quantity			+				RMT5113SWE11(Twin rotary type) x				
	motor (Starting method)		kW									
	, ,		_					1.50 (Inverter driven)				
0	bil (Amount, type)	L					0.45 (DIAMOND FREEZE MB75)					
<u> </u>	Type, amount, pre-charge ler	kg	-			· · · · ·	e amount for the piping of 15m)					
leat exchanger				Louver	fins & inne	<u> </u>	<u> </u>	M fins & inner grooved tubing				
Refrigerant control								tronic expansion valve				
an type & C	Quantity			Tangentia	l fan x	1	Propeller fan x 1					
an motor (S	motor (Starting method)				42 x1 (Dire	ct driv	e)	34 x1 (Direct drive)				
in flam.		m³/min	Hi: 16.3	Me: 13.4	Lo: 8.9	ULo: 5.4	41.5					
Air flow	Heating			Hi: 17.8	Me: 13.7	Lo: 10.	9 ULo: 6.2	39.0				
vailable ext	ernal static pressure		Pa	1	0			0				
Outside air ir	ntake				Not pos	ssible						
	lity / Quantity		-	Polyprc	opylene net		able) x 2					
	ration absorber				ber sleeve (/	Rubber sleeve (for fan motor & compress				
Electric heat	0			nubi	Del Sleeve (IUI IAII		Rubbel sleeve (ibi fait motor & compress				
lectric rieat			_									
Operation	Remote control			Wireless remote control								
ontrolt	Room temperature control			Microcomputer thermostat								
	Operation display					RUN:	Green , TIMER	R: Yellow , ECO: Blue				
Safety equipments				Compressor overheat protection, Overcurrent protection, Frost protection, Serial signal error protection, Indoor fan motor error prote Heating overload protection(High pressure control), Cooling overload pro								
Safety equip				Heating	rotection, S overload p	erial si protecti	gnal error prote on(High pressu	ection, Indoor fan motor error protection, ure control), Cooling overload protection				
afety equip	Refrigerant piping size (0.))	mm	Heating	rotection, S overload p quid line: ϕ	erial si protecti 6.35 (gnal error prote on(High pressu 1/4")	ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 12.7 (1/2")				
afety equip	Refrigerant piping size (O. Connecting method)		Heating	rotection, S ο overload p quid line: φ Flare con	erial si protecti 6.35 (nectior	gnal error prote on(High pressu 1/4") n	action, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 12.7 (1/2") Flare connection				
	Refrigerant piping size (O. Connecting method Attached length of piping)	mm	Heating	rotection, S overload p quid line: ϕ	erial si protection 6.35 (nection / Gas li	gnal error prote on(High pressu 1/4") n ne : 0.48	action, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 12.7 (1/2") Flare connection —				
Istallation	Refrigerant piping size (O. Connecting method Attached length of piping Insulation for piping			Heating	rotection, S ο overload p quid line: φ Flare con	erial si protection 6.35 (nection / Gas li	gnal error prote on(High pressu 1/4") n ine : 0.48 essary (Both si	ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 12.7 (1/2") Flare connection — ides), independent				
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nstallation	Refrigerant piping size (O. Connecting method Attached length of piping Insulation for piping	ength	m	Heating Liq Liquid	rotection, S overload p quid line: ϕ Flare con line : 0.55	erial si protection 6.35 (nection / Gas li Nec	gnal error prote on(High pressu 1/4") n ne : 0.48 essary (Both si Max	ection, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 12.7 (1/2") Flare connection — ides), independent				
nstallation	Refrigerant piping size (O. Connecting method Attached length of piping Insulation for piping Refrigerant line (one way) le	ength	m	Heating Liq Liquid	rotection, S overload p quid line: ϕ Flare con line : 0.55	6.35 (nection / Gas li Nec	gnal error prote on(High pressu 1/4") n ne : 0.48 essary (Both si Max unit is higher)	action, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 12.7 (1/2") Flare connection — ides), independent 6.30				
nstallation	Refrigerant piping size (O. Connecting method Attached length of piping Insulation for piping Refrigerant line (one way) le Vertical height diff. between	ength	m	Heating Liq Liquid	rotection, S g overload p quid line: φ Flare con l line : 0.55 g Max.20 (Ο	erial sign orotection 6.35 (nection / Gas li Nec utdoor able (V	gnal error prote on(High pressu 1/4") n ne : 0.48 essary (Both si Max unit is higher)	action, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 12.7 (1/2") Flare connection 				
nstallation lata	Refrigerant piping size (O. Connecting method Attached length of piping Insulation for piping Refrigerant line (one way) le Vertical height diff. between Drain hose max lift height	ength	m m m m	Heating Liq Liquid	rotection, S g overload p quid line: φ Flare con l line : 0.55 g Max.20 (Ο se connecta	erial sign orotection 6.35 (nection / Gas li Nec utdoor able (V	gnal error prote on(High pressu 1/4") n ne : 0.48 essary (Both si Max unit is higher)	action, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 12.7 (1/2") Flare connection — ides), independent c.30 / Max.20 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. —				
nstallation lata Drain pump, Recommend	Refrigerant piping size (O. Connecting method Attached length of piping Insulation for piping Refrigerant line (one way) le Vertical height diff. between Drain hose max lift height led breaker size	ength	m m m m m m A	Heating Liq Liquid	rotection, S g overload p quid line: φ Flare con l line : 0.55 g Max.20 (Ο se connecta	erial sign orotection 6.35 (nection / Gas li Nec utdoor able (V	gnal error prote on(High pressu 1/4") n essary (Both si Max unit is higher) /P 16) 2	action, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 12.7 (1/2") Flare connection — ides), independent c.30 / Max.20 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. — 0				
nstallation lata Prain pump, Recommend .R.A. (Locka	Refrigerant piping size (O. Connecting method Attached length of piping Insulation for piping Refrigerant line (one way) le Vertical height diff. between Drain hose max lift height led breaker size ed rotor ampere)	ength n O/U and I/U	m m m m m	Heating Liq Liquid Hos	rotection, S g overload p quid line: φ Flare con l line : 0.55 / Max.20 (Ο se connecta	Gerial sign forotection (6.35 (nection / Gas li Nection utdoor able (V	gnal error prote on(High pressu 1/4") n ne : 0.48 essary (Both si Max unit is higher) , (P 16) (P 16) 20 5.	action, Indoor fan motor error protection, ure control), Cooling overload protection Gas line: ϕ 12.7 (1/2") Flare connection — ides), independent c.30 / Max.20 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. — 0 0				
rain pump, lecommend .R.A. (Locken terconnect	Refrigerant piping size (O. Connecting method Attached length of piping Insulation for piping Refrigerant line (one way) le Vertical height diff. between Drain hose max lift height led breaker size ed rotor ampere)	ength n O/U and I/U	m m m m m m A	Heating Liq Liquid Hos	rotection, S g overload p quid line: φ Flare con line : 0.55 μ Max.20 (Ο se connecta n ² x 4 cores	erial sio protection (6.35 (/ Gas li Nec utdoor able (V	gnal error prote on(High pressu 1/4") n ne : 0.48 essary (Both si Max unit is higher) , (P 16) (P 16) 20 5.	ection, Indoor fan motor error protection, tre control), Cooling overload protection Gas line: ϕ 12.7 (1/2") Flare connection — ides), independent (.30 / Max.20 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. — 0 0 0 e) / Terminal block (Screw fixing type)				
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rain pump, ecommend .R.A. (Locke terconnect number /ireless LAN	Refrigerant piping size (0.1 Connecting method Attached length of piping Insulation for piping Refrigerant line (one way) le Vertical height diff. between Drain hose max lift height led breaker size ed rotor ampere) ing wires Size x Cor N connecting	ength n O/U and I/U	m m m m m m A	Heating Liq Liquid Hos 1.5mm	rotection, S g overload p quid line: φ Flare con line : 0.55 g Max.20 (Ο se connecta n ² x 4 cores IPX Standard e	erial signature for the second	gnal error prote on(High pressu 1/4") n ne: 0.48 essary (Both si Max unit is higher) / P 16) 22 5. ding earth cable ent	ection, Indoor fan motor error protection, tre control), Cooling overload protection Gas line: ϕ 12.7 (1/2") Flare connection — ides), independent (.30 / Max.20 (Outdoor unit is lower) Hole size ϕ 20 x 5 pcs. — 0 0 0 e) / Terminal block (Screw fixing type) IPX4 —				
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Prain pump, lecommend .R.A. (Locka hterconnect number Vireless LAN virandard acco Option parts	Refrigerant piping size (0.1 Connecting method Attached length of piping Insulation for piping Refrigerant line (one way) le Vertical height diff. between Drain hose max lift height led breaker size ed rotor ampere) ing wires Size x Cor V connecting cessories	ength n O/U and I/U e number e following cond	m m m M A A A A i i itions.	Heating Liquid Liquid Hos 1.5mm Mounting kil Inte (Cannot	rotection, S overload p quid line: ϕ Flare con line : 0.55 / Max.20 (O se connecta n ² x 4 cores IPX Standard e tit, Clean filter rface kit (S t be used w	erial signotection 6.35 (nection / Gas li Nec utdoor able (V able (V)))	gnal error prote on(High pressu 1/4") n ine : 0.48 essary (Both si Max unit is higher) , /P 16) 2/ 5. ding earth cable ent ugen clear filter x 1 N2-E) eless LAN) The pipe ler	action, Indoor fan motor error protection, Ire control), Cooling overload protection Gas line: φ 12.7 (1/2") Flare connection — ides), independent (.30 / Max.20 (Outdoor unit is lower) Hole size φ 20 x 5 pcs. — 0 0 0 e) / Terminal block (Screw fixing type) IPX4 — , Photocatalytic washable deodorizing filter x — ngth is 5m.				
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nstallation lata Drain pump, Recommend R.A. (Lockanterconnect P number Vireless LAN Standard acc Dption parts Notes (1) TI	Refrigerant piping size (0.1 Connecting method Attached length of piping Insulation for piping Refrigerant line (one way) le Vertical height diff. between Drain hose max lift height led breaker size ed rotor ampere) ing wires Size x Cor V connecting cessories he data are measured at the Item Independent	e number e number e following cond for air temperatu 3 WE	m m m A A A A a itions. re C	Heating Liquid Liquid Hos 1.5mm 1.5mm Mounting kii Inte (Cannot	rotection, S overload p quid line: ϕ Flare con line: 0.55 , Max.20 (O se connecta n ² x 4 cores IPX Standard e it, Clean filter orface kit (S t be used w emperature WB	erial signotection 6.35 (nection / Gas li Nec utdoor able (V able (V)))	gnal error prote on(High pressu 1/4") n ine : 0.48 essary (Both si Max unit is higher) / P 16) 22 5. ding earth cable ent jen clear filter x 1 N2-E) eless LAN) The pipe ler Standards	ection, Indoor fan motor error protection, Ire control), Cooling overload protection Gas line: φ 12.7 (1/2") Flare connection — ides), independent (.30) / Max.20 (Outdoor unit is lower) Hole size φ 20 x 5 pcs. — 0 0 0 e) / Terminal block (Screw fixing type) IPX4 — , Photocatalytic washable deodorizing filter x — ngth is 5m.				
Drain pump, Recommend R.A. (Lock nterconnect P number Wireless LAN Standard acc Dption parts Notes (1) TI	Refrigerant piping size (0.1 Connecting method Attached length of piping Insulation for piping Refrigerant line (one way) le Vertical height diff. between Drain hose max lift height led breaker size ed rotor ampere) ing wires Size x Cor V connecting cessories he data are measured at the cooling 27°	ength n O/U and I/U e number e following cond por air temperatu 3 WE C 19°C	m m m A A A A a itions. re C	Heating Liquid Liquid Hos 1.5mm 1.5mm Mounting kil Inte (Cannot Dutdoor air ter DB 35°C	rotection, S overload p quid line: ϕ Flare con line: 0.55 / Max.20 (O se connecta m ² x 4 cores IPX Standard e it, Clean filter orface kit (S t be used w emperature WB 24°C	erial signotection 6.35 (nection / Gas li Nec utdoor able (V able (V)))	gnal error prote on(High pressu 1/4") n ne: 0.48 essary (Both si Max unit is higher) / P 16) 22 5. ding earth cable ent jen clear filter x 1 N2-E) eless LAN) The pipe ler Standards ISO5151-T	action, Indoor fan motor error protection, Ire control), Cooling overload protection Gas line: φ 12.7 (1/2") Flare connection — ides), independent (.30 / Max.20 (Outdoor unit is lower) Hole size φ 20 x 5 pcs. — 0 0 0 e) / Terminal block (Screw fixing type) IPX4 — , Photocatalytic washable deodorizing filter x — ngth is 5m. 3 1				
Drain pump, Recommend R.A. (Lock nterconnect P number Wireless LAN Standard acc Dption parts Notes (1) TI	Refrigerant piping size (0.1 Connecting method Attached length of piping Insulation for piping Refrigerant line (one way) le Vertical height diff. between Drain hose max lift height led breaker size ed rotor ampere) ing wires Size x Cor V connecting cessories he data are measured at the Item Independent	e number e number e following cond por air temperatu 3 WE C 19°C C –	m m m A A A A a itions. re C	Heating Liquid Liquid Hos 1.5mm 1.5mm Mounting kii Inte (Cannot	rotection, S overload p quid line: ϕ Flare con line: 0.55 , Max.20 (O se connecta n ² x 4 cores IPX Standard e it, Clean filter orface kit (S t be used w emperature WB	erial signotection 6.35 (nection / Gas li Nec utdoor able (V able (V)))	gnal error prote on(High pressu 1/4") n ine : 0.48 essary (Both si Max unit is higher) / P 16) 22 5. ding earth cable ent jen clear filter x 1 N2-E) eless LAN) The pipe ler Standards	action, Indoor fan motor error protection, Ire control), Cooling overload protection Gas line: φ 12.7 (1/2") Flare connection — ides), independent (.30 / Max.20 (Outdoor unit is lower) Hole size φ 20 x 5 pcs. — 0 0 0 e) / Terminal block (Screw fixing type) IPX4 — , Photocatalytic washable deodorizing filter x — ngth is 5m. 3 1 1				

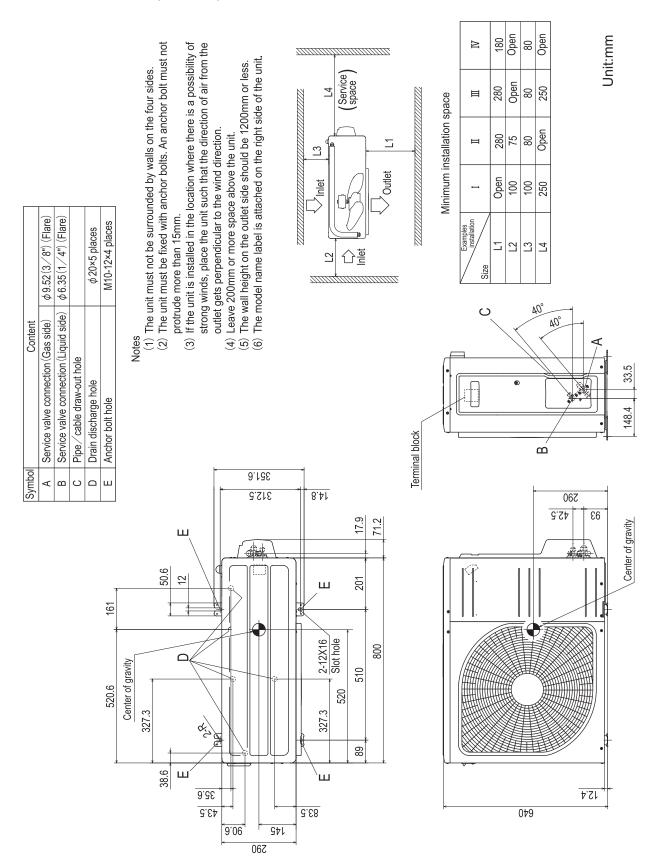
RWA000Z271 🛕

2. EXTERIOR DIMENSIONS

(1) Indoor units

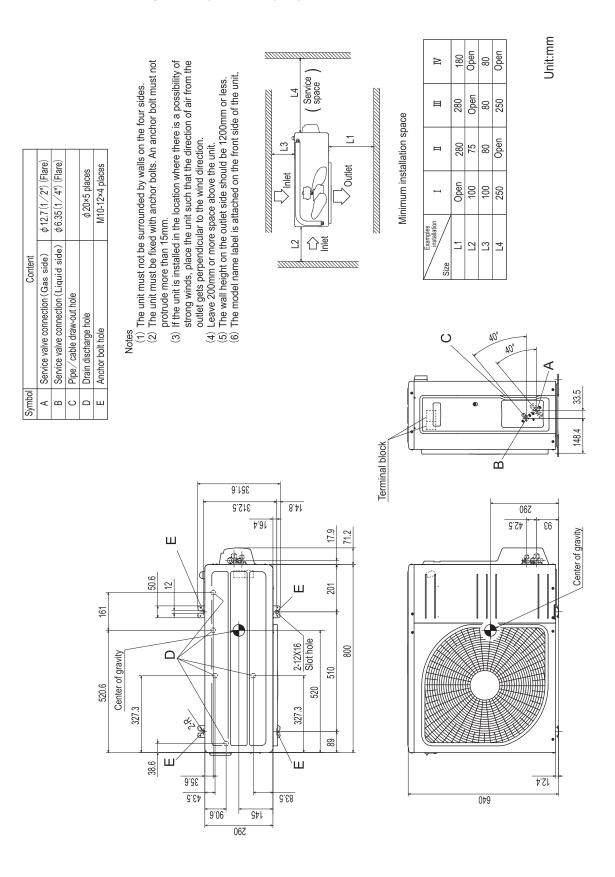
Models SRK20ZSX-WF, 25ZSX-WF, 35ZSX-WF, 50ZSX-WF, 60ZSX-WF SRK20ZSX-WFB, 25ZSX-WFB, 35ZSX-WFB, 50ZSX-WFB, 60ZSX-WFB SRK20ZSX-WFT, 25ZSX-WFT, 35ZSX-WFT, 50ZSX-WFT, 60ZSX-WFT





(2) Outdoor units Models SRC20ZSX-W, 25ZSX-W, 35ZSX-W

RCT000Z025



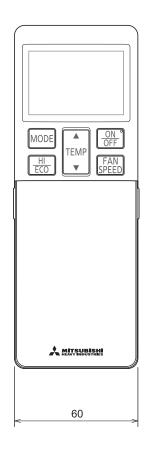
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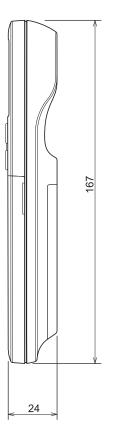
PCA001Z845

(3) Remote control

(a) Wireless remote control

Unit : mm

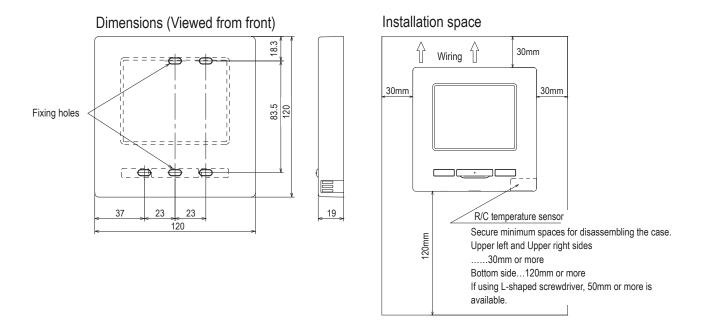




(b) Wired remote control (Option parts)

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

Model RC-EX3A



• Do not install the remote control at following places.

- (1) It could cause break-down or deformation of remote control.
 - Where it is exposed to direct sunlight
 - Where the ambient temperature becomes 0 °C or below, or 40 °C or above
 - Where the surface is not flat
 - Where the strength of installation area is insufficient
- (2) Moisture may be attached to internal parts of the remote control, resulting in a display failure.
 Place with high humidity where condensation occurs on the remote control
 - Where the remote control gets wet
- (3) Accurate room temperature may not be detected using the temperature sensor of the remote control.
 - · Where the average room temperature cannot be detected
 - · Place near the equipment to generate heat
 - · Place affected by outside air in opening/closing the door
 - Place exposed to direct sunlight or wind from air-conditioner
 - Where the difference between wall and room temperature is large
- (4) When you are using the automatic grille up and down panel in the IU, you may not be able to confirm the up and down motion.
 - · Where the IU cannot be visually confirmed
- When installing the unit at a hospital, telecommunication facility, etc., take measures to suppress electric noises.

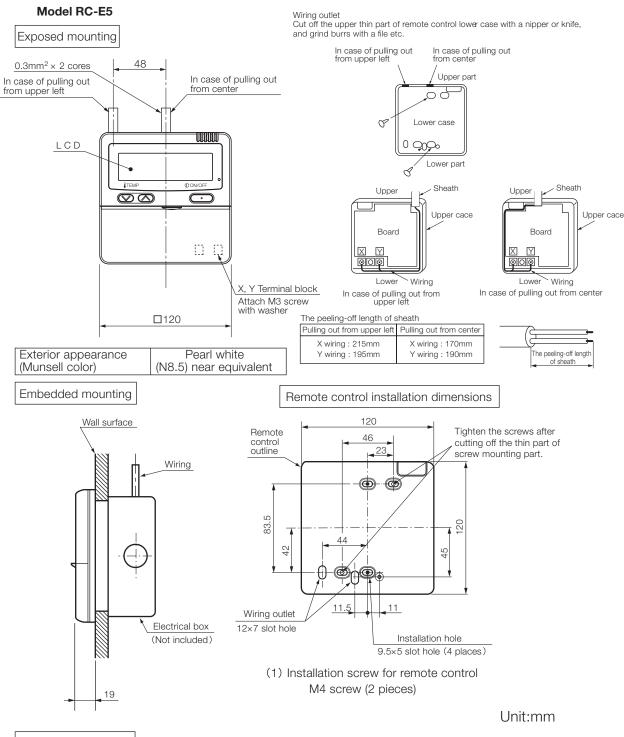
It could cause malfunction or break-down due to hazardous effects on the inverter, private power generator, high frequency medical equipment, radio communication equipment, etc. The influences transmitted from the remote control to medical or communication equipment could disrupt medical activities,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

R/C cable:0.3mm² x 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^2 . Connect them to wires of larger size near the outside of R/C. When wires are connected, take measures to prevent water, etc. from entering inside.

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

Adapted RoHS directive



Wiring specifications

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

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

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

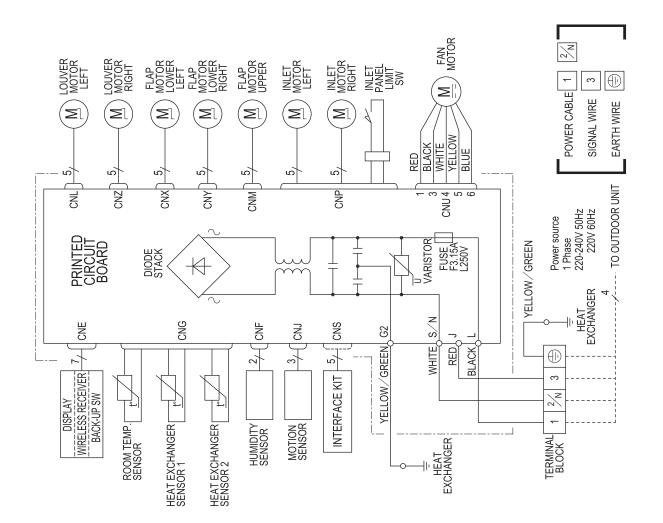
PJZ000Z295

3. ELECTRICAL WIRING

(1) Indoor units

Models SRK20ZSX-WF, 25ZSX-WF, 35ZSX-WF, 50ZSX-WF, 60ZSX-WF SRK20ZSX-WFB, 25ZSX-WFB, 35ZSX-WFB, 50ZSX-WFB, 60ZSX-WFB SRK20ZSX-WFT, 25ZSX-WFT, 35ZSX-WFT, 50ZSX-WFT, 60ZSX-WFT

Description	Connector											
ltem	CNE	CNF	CNG	CNJ	CNL	CNM	CNP	CNS	CNU	CNX	CN√	CNZ



RWA000Z428

Asy PCB1 TARANSISTOR TARANSISTOR TARANSISTOR CONFINITION CONFINIT			or motor	Electric expansion valve (coil)
ay valv	Connector		Compressor motor	Electric exp
Meaning of marks	CN20S CNEEV CNEAN	CNTH	CM	EEV
		Irks	Color	Black
		Color marks	Mark	BK
	Connecting cable wire size x number*	1 Emm2 v 1	4 X -111110.1	
	Power cable length (m)	5	77	
	Power cable wire size x number*	2 0mm2 v 2	2.UIIIII0.2	
	MAX running current (A)	c	מ	
Power source 1 Phase 2202 400 50Hz 222V 60Hz 222V 60Hz 220V 60Hz 220V 60Hz 2310 Hz EARTH WIRE SIGNAL WIRE SIGNAL WIRE	Model name	SRC20ZSX-W	SRC35ZSX-W	·

(2) Outdoor units

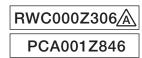
Models SRC20ZSX-W, 25ZSX-W, 35ZSX-W

Heat exchanger temperature sensor Outdoor air temperature sensor Discharge pipe temperature sensor Electric expansion valve Fan motor Reactor FM0 TH2 TH3 TH4 White Orange Yellow Black ᄴᆋᇏᄡᇏᄡᅇ

Yellow/Green

2.0mm ² x 3 22 1.5mm ² x	The wire numbers include earth wire (Yellow/Green) • Switchgear or circuit breaker capacity should be chosen according to national or regional electricity regulations. • The power cable specifications are based on the assumption that a metal or plastic conduit is used with no more than three cables contained in a conduit and a voltage drop is 2%. For an installation failing outside of these conditions, please follow the national or regional electricity regulations.
6	ircuit breaker cap ircuit breaker cap e specifications a an three cables c if these condition
SRC20ZSX-W SRC25ZSX-W SRC35ZSX-W	 * The wire numbe Switchgear or c regulations. The power cabl with no more th falling outside o

POWER TRANSISTOR N W (BK) M W (BK) M (BK) M (BK) CMFAN CMFAN CMFAN FINO		Meaning of marks Item Description	Solenoid coil	CN20S Connector	CNEEV CNFAN	CMTH Compressor motor		FMo Fan motor	L1,2 Reactor	TH1 Heat exchanger temperature sensor	TH2 Outdoor air temperature sensor	TH3 Discharge pipe temperature sensor
	I I I I I I I I I I I I I I I I I I I					s Color	Black	Blue	Red	White	Yellow	Yellow/Green
PAM	_					Color marks Mark	BK	BL	RD	ΗM	ΥE	ΥG
PCBASSY PCB1 PCBASSY PCB1 PC					Power cable length Connecting cable (m) wire size x number*		13 1.5mm ² x 4		* The wire numbers include Earth wire (Yellow/ Green)	to national or regional electricity	• The power cable specifications are based on the assumption that a metal or plastic conduit is used	volage upp is z.v. For an inistaliation or regional electricity regulations.
				res	Power cable wire size x number*		2.0mm ² x 3		ow/Green)	ould be chosen according	I on the assumption that a	follow the national or reg
	UNIT KBLE 1 24			Power cable, indoor-outdoor connecting wires	MAX running current (A)		15		rs include Earth wire (Yell	ircuit breaker capacity sh	specifications are based	with no more than three captes contained in a contout and a falling outside of these conditions, please follow the national
Power source 1 Phase 220-240V 50Hz 2200 60Hz 1 1 2200 60Hz 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TO INDOOR UNIT POWER CABLE SIGNAL WIRF	EARTH WIRE		Power cable, indo	Model name	SRC50ZSX-W	SRC60ZSX-W	(LM-)	* The wire numbe	 Switchgear or Circled regulations. 	• The power cable	falling outside of



4. NOISE LEVEL

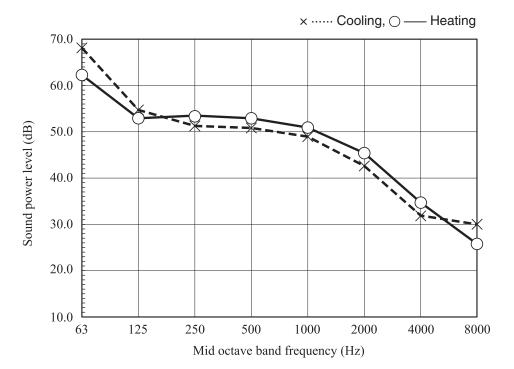
(1) Sound power level

Models SRK20ZSX-WF, -WFB, -WFT

(Indoor unit)

Model	SRK20ZSX-WF, -WFB, -WFT							
Noise	Cooling	53 dB(A)						
Level	Heating	55 dB(A)						

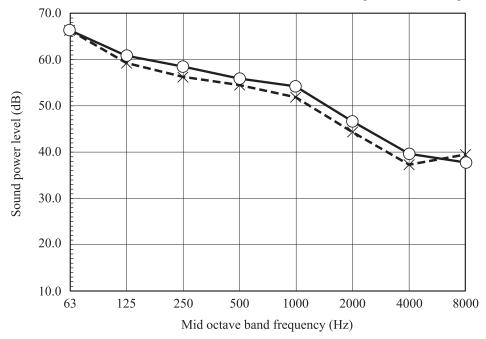
Condition	ISO5151 T1/H1	
MODE	Rated capacity value (Hi)	



(Outdoor unit)

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





Models SRK25ZSX-WF, -WFB, -WFT

(Indoor unit)	(Ind	oor	unit)
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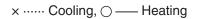
Model	SRK25ZSX-WF, -WFB, -WFT	
Noise	Cooling	55 dB(A)
Level	Heating	56 dB(A)

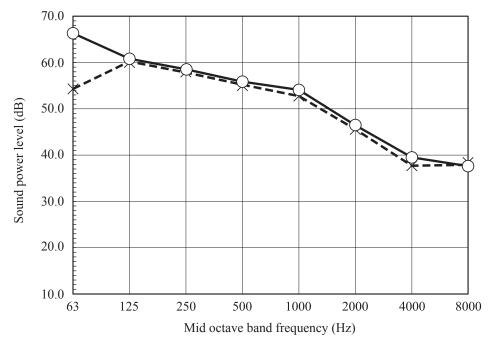
Condition	ISO5151 T1/H1	
MODE	Rated capacity value (Hi)	

 $\times \cdots$ Cooling, \bigcirc — Heating 70.060.0 Sound power level (dB) 50.0 40.0 30.0 20.0 10.0 125 250 500 1000 2000 4000 8000 63 Mid octave band frequency (Hz)

(Outdoor	unit)

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





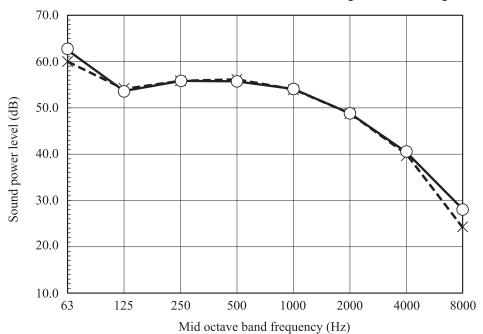
Models SRK35ZSX-WF, -WFB, -WFT

/1 1	
(Indoor	(Init)
(1110001	unit,

`	,	
Model	SRK35ZSX-WF, -WFB, -WFT	
Noise	Cooling	58 dB(A)
Level	Heating	58 dB(A)

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

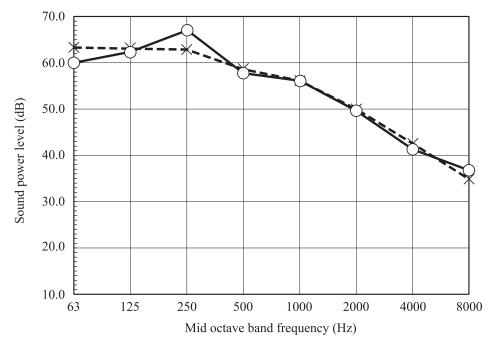
× ····· Cooling, O — Heating



(Outdoor unit)

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





Models SRK50ZSX-WF, -WFB, -WFT

(Indoo	r unit)
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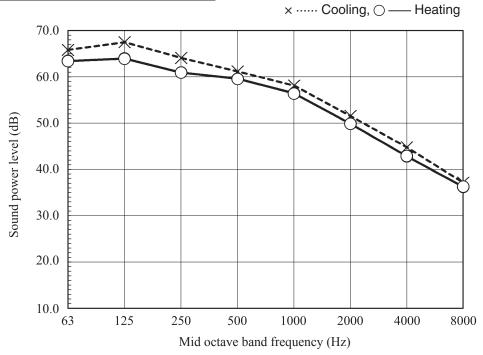
Model	SRK50ZSX-WF, -WFB, -WFT	
Noise	Cooling	59 dB(A)
Level	Heating	62 dB(A)

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

 $\times \cdots \cdots$ Cooling, \bigcirc — Heating 70.0 60.0 Sound power level (dB) 50.0 40.0 30.0 20.0 10.0 125 250 63 500 1000 2000 4000 8000 Mid octave band frequency (Hz)

(Outdoor	unit)

Model	SRC50ZSX-W(-W1, -W2)	
Noise	Cooling	63 dB(A)
Level	Heating	61 dB(A)



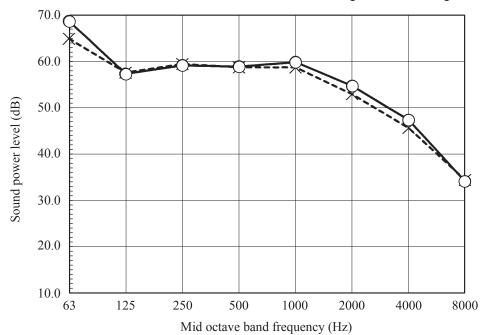
Models SRK60ZSX-WF, -WFB, -WFT

(Indoor	unit)

Model	SRK60ZSX-WF, -WFB, -WFT	
Noise	Cooling	62 dB(A)
Level	Heating	63 dB(A)

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

 $\times \cdots \cdots \text{Cooling}, \bigcirc -\!\!-\!\!- \text{Heating}$



(Outdoor unit)

Sound power level (dB)

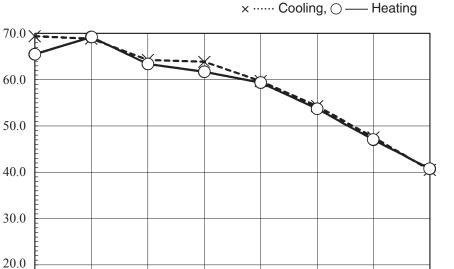
10.0

63

125

250

Model	SRC60ZSX-W(-W1)	
Noise	Cooling	65 dB(A)
Level	Heating	64 dB(A)



Mid octave band frequency (Hz)

500

1000

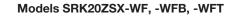
2000

4000

8000

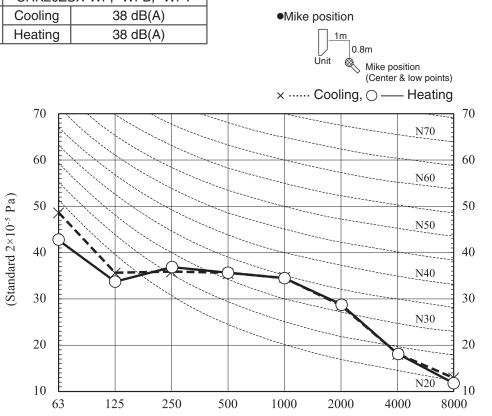
(2) Sound pressure level

(a) Rated capacity value



(Indoor unit)

Model	SRK20ZSX-WF, -WFB, -WFT	
Noise	Cooling	38 dB(A)
Level	Heating	38 dB(A)



Condition

MODE

ISO5151 T1/H1

Rated capacity value (Hi)

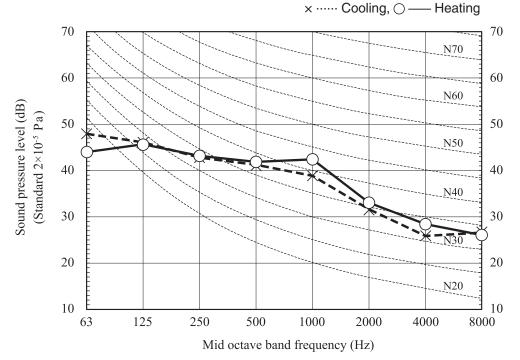
Mid octave band frequency (Hz)

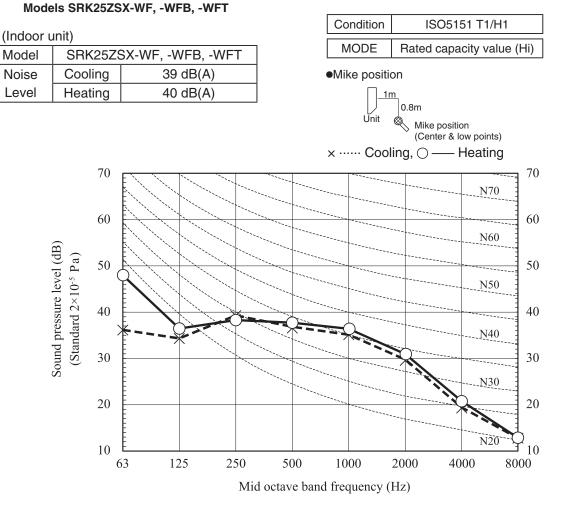
(Outdoor unit)

Sound pressure level (dB)

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

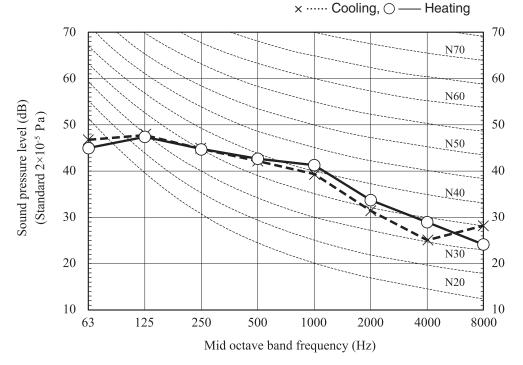


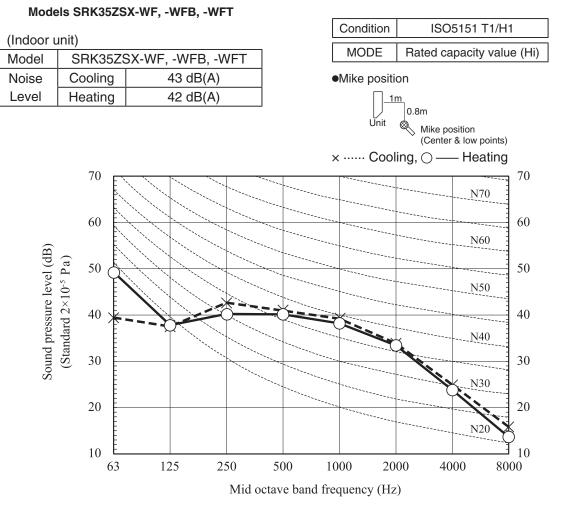


(Outdoor unit)

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

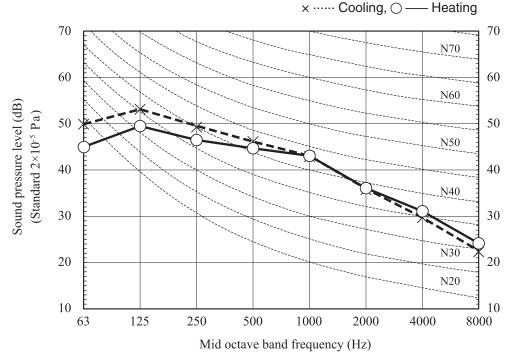


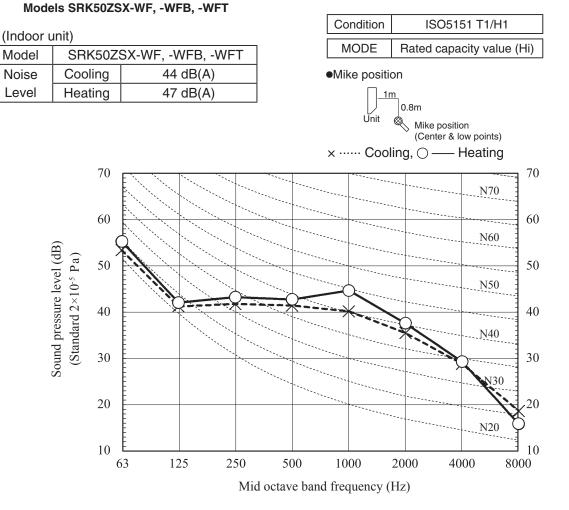


(Outdoor unit)

Model	SRC35ZSX-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

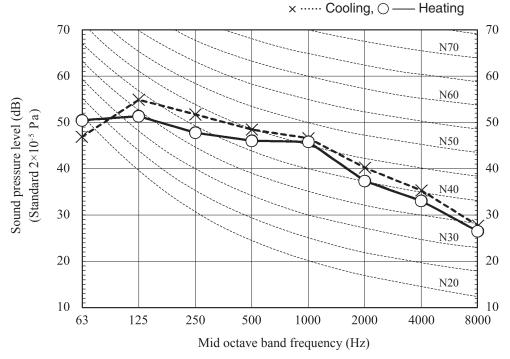


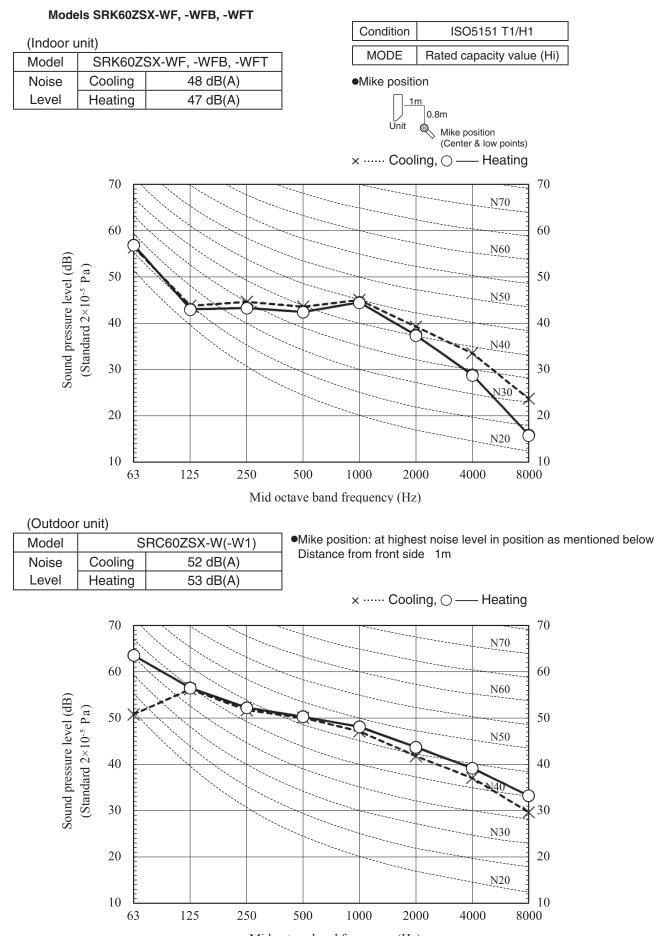


(Outdoor unit)

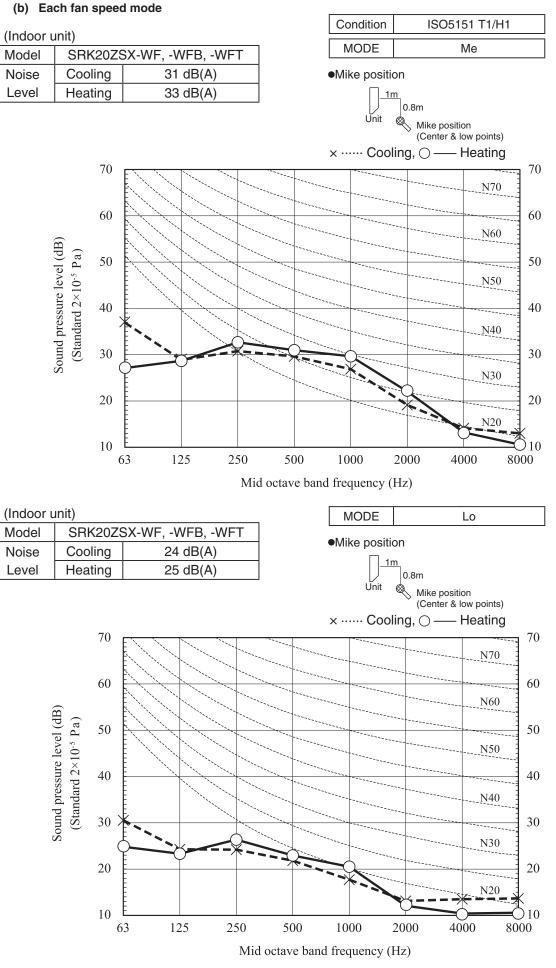
Model	SRC50ZSX-W(-W1, -W2)	
Noise	Cooling	51 dB(A)
Level	Heating	49 dB(A)

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

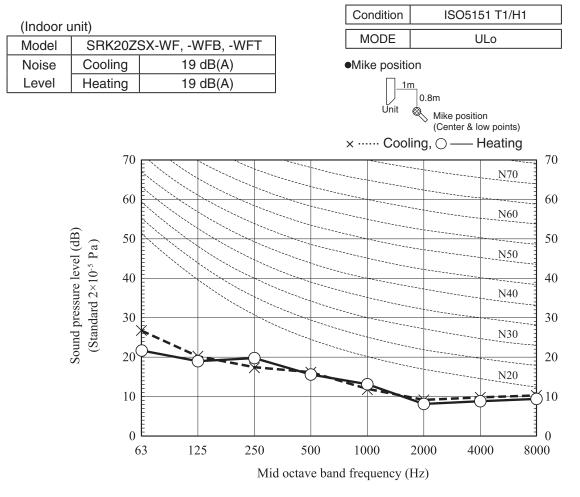




Mid octave band frequency (Hz)

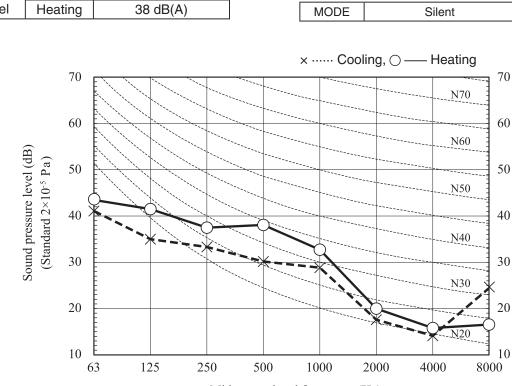


- 37 -

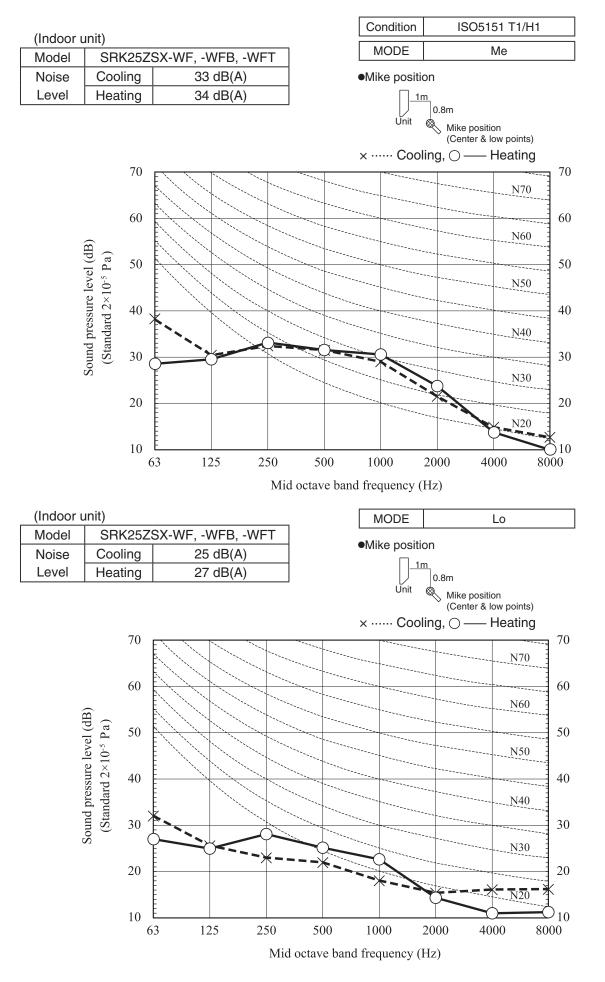


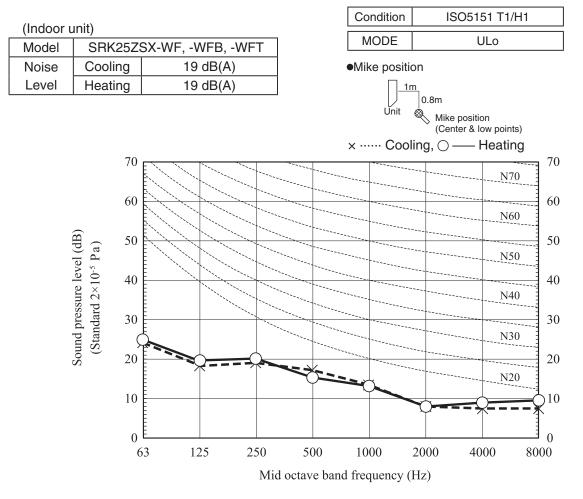
(Outdoor unit)							
	Model	SRC20ZSX-W					
	Noise	Cooling	33 dB(A)				
	Level	Heating	38 dB(A)				

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



Mid octave band frequency (Hz)



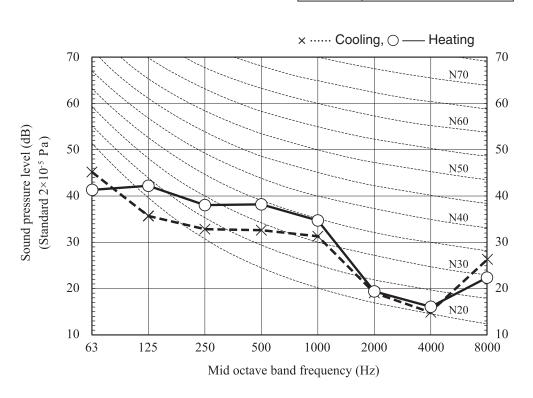


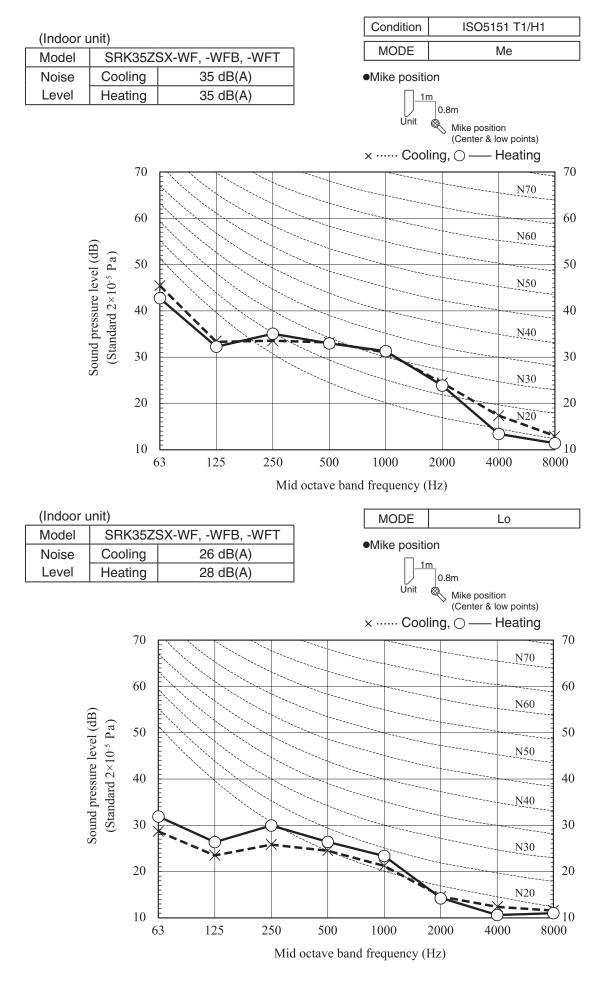
(Outdoor unit)						
	Model	S	RC25ZSX-W			
	Noise	Cooling	35 dB(A)			
	Level	Heating	39 dB(A)			

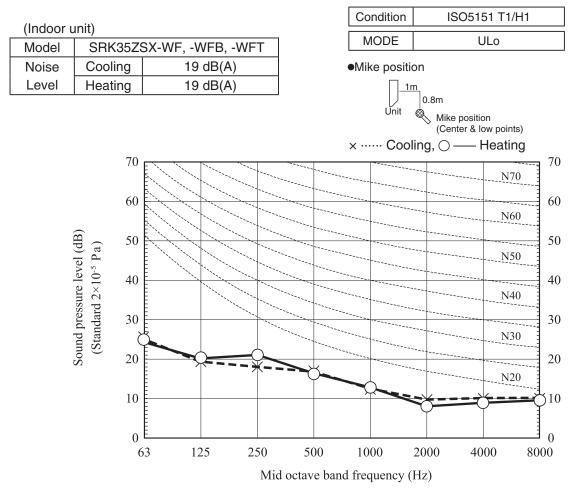
•Mike position: at highest noise level in position as mentioned below Distance from front side 1m

Silent

MODE



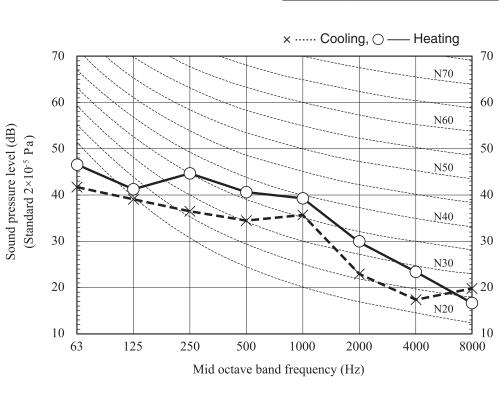




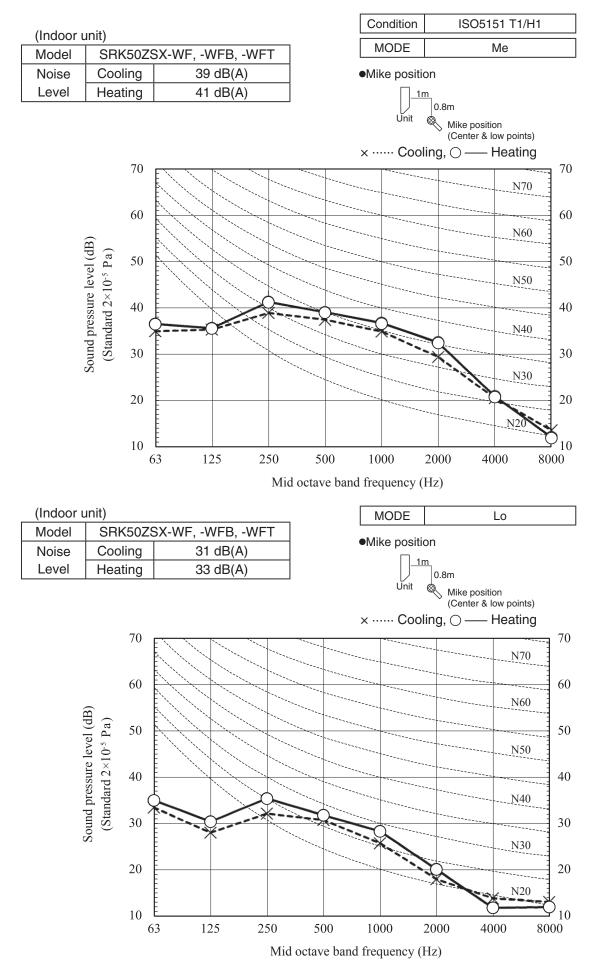
(Outdoor unit)							
	Model	SRC35ZSX-W					
	Noise	Cooling	38 dB(A)				
	Level	Heating	43 dB(A)				

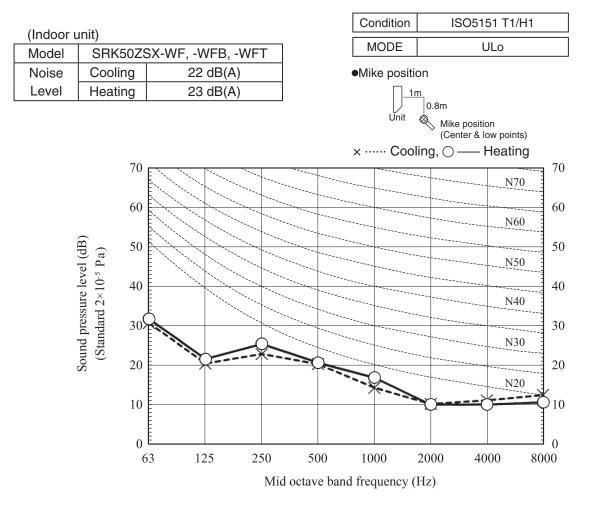
•Mike position: at highest noise level in position as mentioned below Distance from front side 1m

Silent



MODE

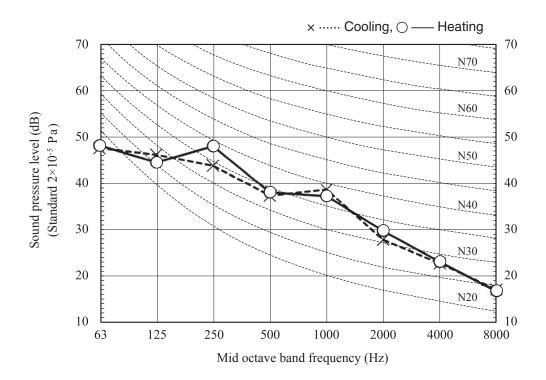


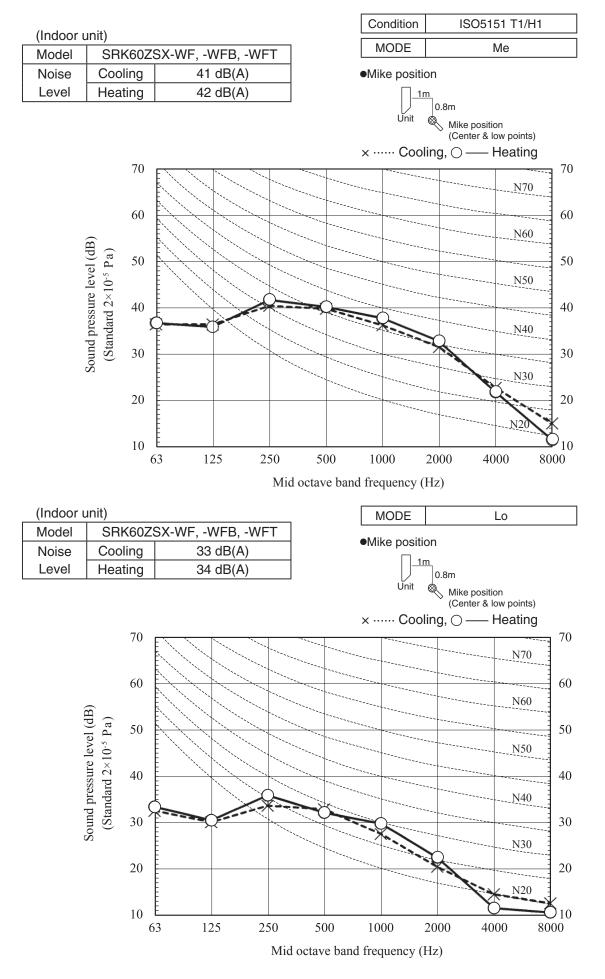


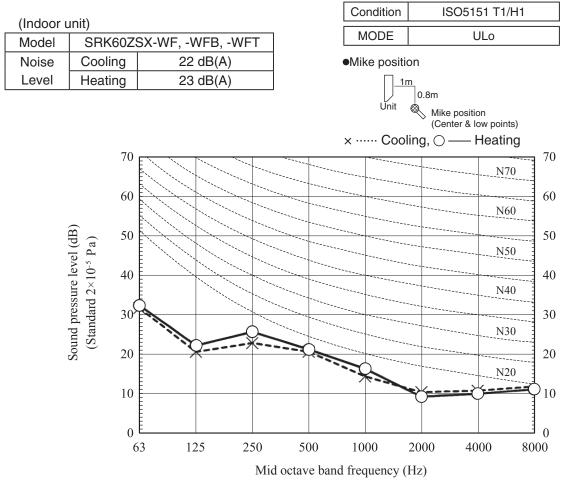
(Outdoor unit)
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Model	SRC50ZSX-W(-W1, -W2)						
Noise	Cooling	42 dB(A)					
Level	Heating	43 dB(A)					

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





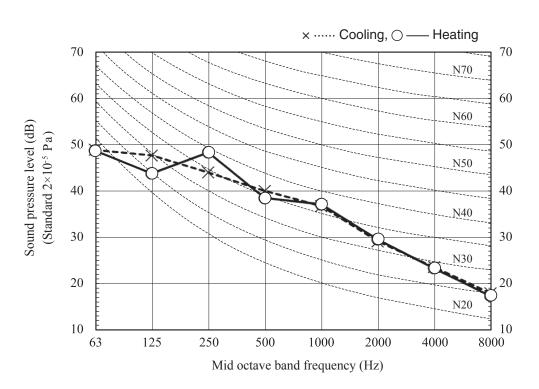


(Outdoor unit)						
Model	SRC60ZSX-W(-W1)					
Noise	Cooling	42 dB(A)				
Level	Heating	43 dB(A)				

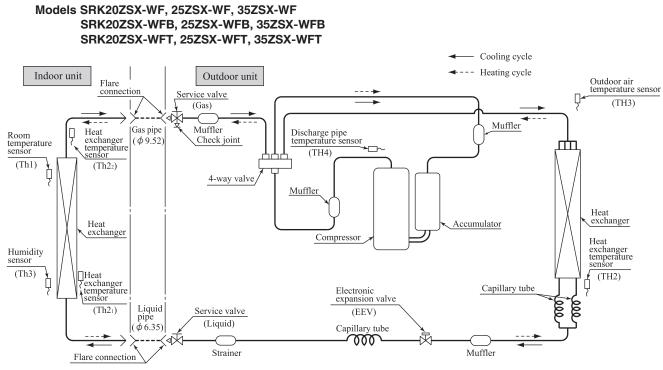
•Mike position: at highest noise level in position as mentioned below Distance from front side 1m

Silent

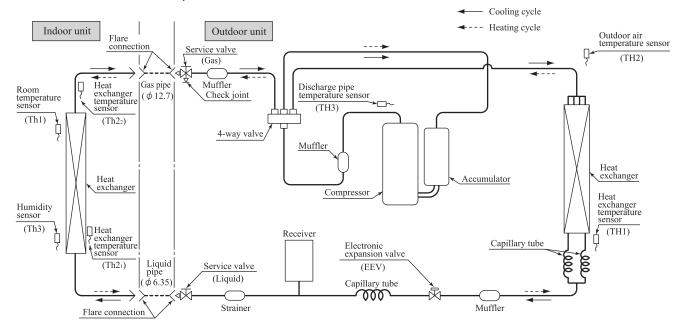
MODE



5. PIPING SYSTEM



Models SRK50ZSX-WF,60ZSX-WF SRK50ZSX-WFB, 60ZSX-WFB SRK50ZSX-WFT, 60ZSX-WFT



6. RANGE OF USAGE & LIMITATIONS

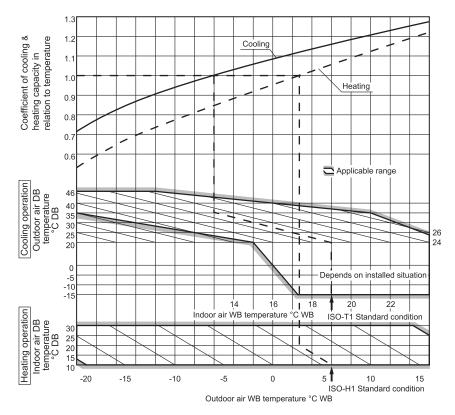
Model	SRK20, 25, 35ZSX-WF SRK20, 25, 35ZSX-WFB SRK20, 25, 35ZSX-WFT	SRK50, 60ZSX-WF SRK50, 60ZSX-WFB SRK50, 60ZSX-WFT				
Indoor return air temperature (Upper, lower limits)	Cooling operation : Appro Heating operation : Appro (Refer to the selection cha	oximately 10 to 30°C DB				
Outdoor air temperature (Upper, lower limits)	Cooling operation : Approximately -15 to 46° C DI Heating operation : Approximately -20 to 24° C DI (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. 20m (Outdoor unit is lower)				
Power source voltage	Rating	±10%				
Voltage at starting	Min. 85%	o of rating				
Frequency of ON-OFF cycle	Max. 4 t (Inching prevent	imes/h ion 10 minutes)				
ON and OFF interval	Min. 3	ninutes				

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 × 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

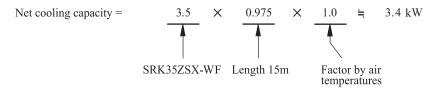
In additions to the foregoing corrections (1), (2) the heating capacity needs to be adjusted also with respect to the frosting on the outdoor heat exchanger.

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-WF with the piping length of 15m, indoor wet-bulb temperature at 19.0°C

and outdoor dry-bulb temperature 35°C is



(kW)

7. CAPACITY TABLES

Models SRK20ZSX-WF, -WFB, -WFT 21°CDB

Outdoor

air emperatu

CDB

10

12

14

16

18

20

22

24

26

28

30 32

Air flow

Hi 11.3

Cooling mode

Indoor air temperature

(kW)

Heating mode (HC)

Outdoor

Outdoor

Outdoor

Outdoor

	Outdoor
Air flow	air

Outdoor	
air	

r ure	Indoor air temperature											
0.0	16°CDB	18°CDB	20°CDB	22°(
	1.44	1.40	1.35	1.								

																			or air temper		
	21°C	DB	23°C	DB	26°C	CDB	27°C	CDB	28°0	CDB	31°C	CDB	33°C	DB	Air flow	air temperature		Indoc	or air temper	ature	
e	14°C	WB	16°C	WB	18°C	CWB	19°C	CWB	20°C	CWB	22°C	CWB	24°C	WB		°CWB	16°CDB	18°CDB	20°CDB	22°CDB	24°CDB
	TC	SHC		-20	1.44	1.40	1.35	1.32	1.28												
	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		-15	1.66	1.63	1.59	1.55	1.52
	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		-10	1.88	1.85	1.82	1.78	1.74
	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	Hi I	-5	2.04	2.01	1.97	1.94	1.91
	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	12.2	0	2.13	2.10	2.07	2.04	2.01
	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	(m ³ /min)	5	2.72	2.69	2.67	2.62	2.58
	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	((117)1111)	6	2.76	2.73	2.70	2.67	2.63
	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		10	2.94	2.91	2.89	2.85	2.82
	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		15	3.20	3.17	3.14	3.11	3.08
	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		20	3.43	3.41	3.39	3.35	3.32
	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							
	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							
	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							

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
(m ³ /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
((() /(())))	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
		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
	45	1.37	1.00	1.10											
	45 46	1.37	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		1.34	1.27	1.44			WF1	-	(Cooling		1.92	1.83	2.02	
Model	46	1.34	1.27	1.44			WF1		(Cooling				2.02	
	46 s SRK2 Outdoor air	1.34 25 Z 21°C	1.27	1.44 V F , -	-WF	B, -	WF1 Indo	or air to 27°0	(empera CDB	Cooling ature 28°C	mode CDB	31°C	CDB	33°0	(kW
Model Air flow	46 s SRK2 Outdoor air temperature	1.34 25 ZS	1.27	1.44 V F , -	-WF	B, -	WF1	or air te 27°C 19°C	(empera CDB	Cooling	mode CDB		CDB	33°C 24°C	(kW
	46 s SRK2 Outdoor air	1.34 25 Z 21°C	1.27	1.44 V F , -	-WF	B, -	WF1 Indo	or air to 27°0	(empera CDB	Cooling ature 28°C	mode CDB	31°C	CDB	33°0	(kW)
	46 s SRK2 Outdoor air temperature	1.34 25 Z 21°C 14°C	1.27	1.44 VF , -	-WF	B, -	Indo	or air te 27°C 19°C	empera CDB WB	Cooling ature 28°C 20°C	mode CDB CWB	31°C 22°C	CDB CWB	33°C 24°C	(kW) CDB CWB
	46 S SRK2 Outdoor air temperature °CDB	1.34 25 ZS 21°C 14°C TC	1.27	1.44 VF, 23°C 16°C TC	-WF	B, - 26°0 18°0 TC	Indo DB WB SHC	or air to 27°C 19°C TC	empera CDB WB SHC	Cooling ature 28°C 20°C TC	mode CDB CWB SHC	31°C 22°C TC	CDB WB SHC	33°0 24°0 TC	(kW) CDB CDB CDB CDB CDB CDB CDB
	46 SSRK2 Outdoor air temperature °CDB 10	1.34 25 ZS 21°C 14°C TC 2.82	1.27 X-V CDB WB SHC 2.65	1.44 VF, 23°C 16°C 7C 2.95	-WF	B , -' 26°C 18°C TC 3.06	Indo DB WB SHC 2.75	oor air to 27°C 19°C TC 3.11	empera CDB CWB SHC 2.72	Cooling ature 28°C 20°C TC 3.16	mode CDB CWB SHC 2.69	31°C 22°C TC 3.26	DB WB SHC 2.83	33°C 24°C TC 3.34	(kW) CDB CWB SHC 2.77
	46 S SRK2 Outdoor air temperature °CDB 10 12	1.34 25 ZS 21°C 14°C 7C 2.82 2.77	1.27 X-V DB WB SHC 2.65 2.62	1.44 VF , 23°C 16°C 7C 2.95 2.90	-WF CDB CWB SHC 2.61 2.58	B , -' 18°C TC 3.06 3.01	Indo CDB WB SHC 2.75 2.73	or air te 27°C 19°C TC 3.11 3.07	empera CDB CWB SHC 2.72 2.71	Cooling ature 28°C 20°C TC 3.16 3.12	mode CDB CWB SHC 2.69 2.68	31°C 22°C TC 3.26 3.22	CDB CWB SHC 2.83 2.82	33°C 24°C TC 3.34 3.31	(kW) CDB CWB SHC 2.77 2.76
	46 SSRK2 Outdoor air temperature °CDB 10 12 14	1.34 25 ZS 14°C 14°C 7C 2.82 2.77 2.71	1.27 X-V XB SHC 2.65 2.62 2.58	1.44 VF , 16°C 16°C 7C 2.95 2.90 2.85	-WF CDB CWB SHC 2.61 2.58 2.56	B , - ¹ 26°C 18°C TC 3.06 3.01 2.97	WF1 Indo DB WB SHC 2.75 2.73 2.72	or air to 27°C 19°C TC 3.11 3.07 3.03	empera CDB CWB SHC 2.72 2.71 2.69	Cooling ature 28°C 20°C TC 3.16 3.12 3.08	mode CDB CWB SHC 2.69 2.68 2.67	31°C 22°C TC 3.26 3.22 3.18	DDB WB SHC 2.83 2.82 2.81	33°C 24°C TC 3.34 3.31 3.28	(kW) CDB CMB SHC 2.77 2.76 2.74 2.73 2.72
	46 SSRK2 Outdoor air temperature °CDB 10 12 14 14 16	1.34 25 Z 21°C 14°C TC 2.82 2.77 2.71 2.66	1.27 X-V CDB WB SHC 2.65 2.62 2.58 2.53	1.44 VF, 16°C 7C 2.95 2.90 2.85 2.80	-WF DB WB SHC 2.61 2.58 2.56 2.54	B , -' 18°C 18°C 3.06 3.01 2.97 2.92	WF1 Indo DDB WB SHC 2.75 2.73 2.72 2.70	or air te 27°C 19°C TC 3.11 3.07 3.03 2.98	empera DDB WB SHC 2.72 2.71 2.69 2.68	Cooling ature 28°C 20°C TC 3.16 3.12 3.08 3.04	mode DDB WB SHC 2.69 2.68 2.67 2.65	31°C 22°C TC 3.26 3.22 3.18 3.15	DDB WB SHC 2.83 2.82 2.81 2.80	33°C 24°C TC 3.34 3.21 3.28 3.24	(kW) CDB CWB SHC 2.77 2.76 2.74 2.73

I	Heating mode (H	IC)				(kW)							
Air flow	Outdoor air temperature	Indoor air temperature											
	°CWB	16°CDB	18°CDB	20°CDB	22°CDB	24°CDB							
	-20	1.70	1.66	1.60	1.57	1.52							
	-15	1.97	1.93	1.88	1.84	1.80							
	-10	2.23	2.19	2.16	2.10	2.06							
Hi	-5	2.41	2.38	2.33	2.30	2.27							
12.8	0	2.53	2.49	2.45	2.42	2.38							
(m ³ /min)	5	3.22	3.19	3.17	3.10	3.06							
((11 /11 /11 /1))	6	3.27	3.24	3.20	3.16	3.12							
	10	3.48	3.45	3.42	3.38	3.34							
	15	3.79	3.75	3.73	3.69	3.65							
	20	4.07	4.04	4.02	3.97	3.94							

	temperature	140	,vvd	100	,vvd	100	WVD	190	WVD	200	WVD	220	WVD	240	WVD
	°CDB	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
(m ³ /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

Models SRK35ZSX-WF, -WFB, -WFT

Cooling mode

(kW)

	Outdoor					,	Indo	or air t	empera	iture					
A	air	21°C	DB	23°0	CDB	26°0	DB	27°C	DB	28°0	DB	31°C	DB	33°0	DB
Air flow	temperature	14°C	WB	16°C	CWB	18°C	WB	19°C	WB	20°C	WB	22°C	CWB	24°C	WB
	°CDB	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
	10	3.94	3.48	4.13	3.42	4.28	3.60	4.35	3.56	4.43	3.52	4.56	3.66	4.68	3.57
	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
	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
(m ³ /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

I	Heating mode (H	HC)				(kW)
Air flow	Outdoor air temperature		Indoo	or air temper	rature	
	°CWB	16°CDB	18°CDB	20°CDB	22°CDB	24°CDB
	-20	2.29	2.23	2.16	2.11	2.05
	-15	2.65	2.59	2.53	2.48	2.42
	-10	2.99	2.94	2.90	2.83	2.77
ні	-5	3.24	3.20	3.13	3.10	3.05
13.9	0	3.40	3.35	3.29	3.25	3.20
(m ³ /m in)	5	4.33	4.28	4.26	4.17	4.11
((()))	6	4.40	4.35	4.30	4.25	4.19
	10	4.68	4.63	4.60	4.54	4.49
	15	5.09	5.04	5.01	4.95	4.91
	20	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)

Models SRK50ZSX-WF, -WFB, -WFT

Cooling mode

(kW)

	Outdoor						Indo	or air t	empera	iture					
Air flow	air	21°C	CDB	23°0	CDB	26°0	CDB	27°0	CDB	28°0	CDB	31°C	CDB	33°C	CDB
AIT HOW	temperature	14°C	CWB	16°C	CWB	18°C	CWB	19°C	CWB	20°C	CWB	22°C	CWB	24°C	CWB
	°CDB	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
(m ³ /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
((() /(())))	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

I	Heating mode (H	IC)				(kW)
Air flow	Outdoor air temperature		Indoo	or air temper	rature	
	°CWB	16°CDB	18°CDB	20°CDB	22°CDB	24°CDB
	-20	3.19	3.11	3.01	2.94	2.85
	-15	3.69	3.61	3.53	3.45	3.38
	-10	4.18	4.10	4.05	3.95	3.86
Hi	-5	4.52	4.46	4.37	4.32	4.25
17.3	0	4.74	4.67	4.59	4.54	4.47
(m ³ /min)	5	6.04	5.97	5.94	5.82	5.74
((11 /1101))	6	6.14	6.07	6.00	5.92	5.85
	10	6.52	6.46	6.42	6.34	6.27
	15	7.10	7.04	6.99	6.91	6.85
	20	7.63	7.57	7.53	7.45	7.39

Model	s SRK6	60ZS	SX-V	VF,	-WF	В, -	WF1	Г	(Cooling	mode				(kW)
	Outdoor						Indo	or air t	empera	ature					
Air flow	air	21°0	CDB	23°0	CDB	26°0	CDB	27°0	CDB	28°C	DB	31°(CDB	33°C	CDB
AIF HOW	temperature	14°C	CWB	16°C	CWB	18°C	CWB	19°C	WB	20°C	WB	22°C	CWB	24°C	CWB
	°CDB	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
(m ³ /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
(((),))))))))))))))))))))))))))))))))))	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

I	Heating mode (H	łC)				(kW)
Air flow	Outdoor air temperature		Indoc	or air temper	rature	
	°CWB	16°CDB	18°CDB	20°CDB	22°CDB	24°CDB
	-20	3.61	3.52	3.41	3.33	3.23
	-15	4.18	4.09	4.00	3.92	3.83
	-10	4.73	4.65	4.59	4.47	4.38
Hi	-5	5.13	5.05	4.95	4.90	4.82
17.8	0	5.38	5.30	5.20	5.14	5.07
(m ³ /min)	5	6.85	6.77	6.73	6.60	6.51
(111 /11111)	6	6.96	6.88	6.80	6.71	6.63
	10	7.39	7.32	7.28	7.18	7.11
	15	8.05	7.98	7.92	7.83	7.76
	20	8.65	8.58	8.54	8.44	8.37

 Notes(1) These data show average statuses.
 0.34
 0.34
 0.34

 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)

RLF012A217

8. APPLICATION DATA

(1) Installation of indoor unit

Model SRK20,25,35,50,60ZSX-WF 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. If unusual noise can be heard during the test run, consult the dealer.
 The precautionary items mentioned below are distinguished into two levels, WARNING and CAUTION Indicates a potentially hazardous situation which, if not avoided, can result in personal in-sequences such as death or severe injury.
 CAUTION Indicates a potentially hazardous situation which, if not avoided, can result in personal in-sequences such as death or severe injury.
 CAUTION Indicates a potentially hazardous situation which, if not avoided, can result in personal in-sequences such as death or severe injury.

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

A WAR	RNING
 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 an unqualified 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 leakage dagess 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: ISO5149) in the event of leakage. If refrigerant density exceeds the limit, consult the dealer and install the ventilation system. Otherwise lack of oxygen can occur resulting in serious accident. Install the unit in a location where unit will remain stable, horizontal and free of any vibration transmission. Unsuitable installation location can cause the unit to fall resulting in material damage and personal injury. Do not run the unit with removed panels or protections. Touching rolating equipment, hot surfaces or high voltage parts can cause personal injury due to entrapment, burn or electric shock. This unit is designed specifically for R32 or R410A. Using any other refrigerant can cause unit failure and personal (GWP) = 675. 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 P	 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 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 cause electric shock, fire or personal injury. Make sure that earth leakage breaker and circuit breaker of appropriate capacities are installed. Circuit breaker should be able to disconnect all poles under over current. Absence of appropriate breakers can cause electric shock, 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 blocks. Loose connections or cable mountings can cause electric shock, due to power cable, or share the socket with other power guites properly cance and encieve the cables properly to prevent overloading the terminal blocks. Loose connections or cable mountings 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 interna component of the unit. If ables touch any internal cause electric shock of the due to rwater. Be sure to usatel or properity concervity oregored. Be s
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.	 Do not turn ON the wireless LAN communication near a person with a car- diac pacemaker or implanted defibrillator. It may cause malfunction of a medical device.
	JTION
	 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 anmonia (organic fertilizer), calcium chloride (snow melting agent) and acid (sulfurous acid etc.), which can harm the unit, will generate or accumulate. Drain water cannot be discharged properly. TV set or radio receiver is placed within 1 m. Height above sea level is more than 1000 m. 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. Aluminium fin temperature is high during heating operation. Touching fin can cause burn. Do not touch any 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 accorrating condition. For align 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)	Locally procured parts Tools for installation Work
(1) Installation board 1 pc. (5) Wood screws 2 pcs. (2) Remote control (6) Batteries IR03 (AAA. Micro) 1.5 VI 2 pcs.	(a) Steeve (1 pc.) Phillips headed driver Pipe cutter (b) Sealing plate (1 pc.) Knife Hole core drill (65 mm in diameter) (c) Inclination plate (1 pc.) Saw Wrench key (Hexagon) [4mm] (d) Putty Tape measure Flaring tool set*

Torque wrench (14.0-62.0 N·m (1.4-6.2 kgf·m)) Pipe bender

Flare adjustment gauge

Designed specifically for R32 or R410A

Plier

2 pcs

(e) Connecting cable

(i) Electrical tape

(f) Drain hose (extension hose)

(h) Clamp and screw (for finishing work)

(g) Piping cover (g) (for insulation of connection piping)

(6) Batteries [R03 (AAA, Micro) 1.5 V] 2 pcs.

5 pcs. (8) Insulation (#486 50 X 100 t3) _____ 1 pc.

1 pc.

(7) Air-cleaning filters

O

(3) Remote control holder

(4) Tapping screws (for installation board φ4 X 25mm)





- 1. Indoor unit

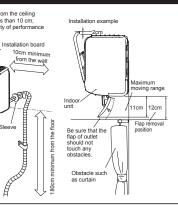
- 1. Indoor unit
 Where there is no obstruction to the air flow and where the cooled and heated air can be evenly distributed.
 A solid place where the unit or the wall will not vibrate.
 A place where there will be enough space for servicing. (Where is easy to conduct wiring and piping work.
 A place where unit is not directly exposed to sunlight or street light.
 A place where in the and time type of the television or the radio. (To prevent interference to images and sounds.)
 A place where is no electric equipment or household.
 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.
 A place where the radio waves can reach when using the wireless LAN communication.
 Z Bemote control

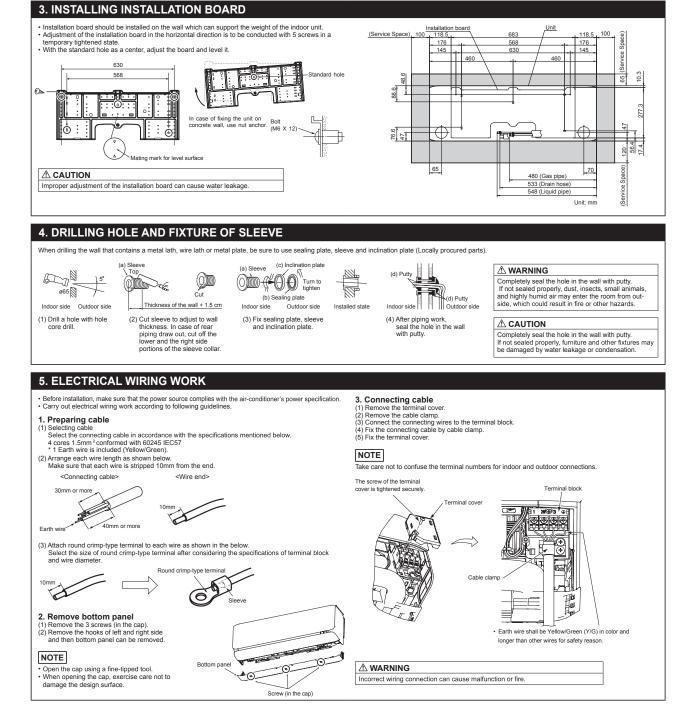
2. Remote control

- A place where the air-conditioner can receive the signal surely during operating the 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.

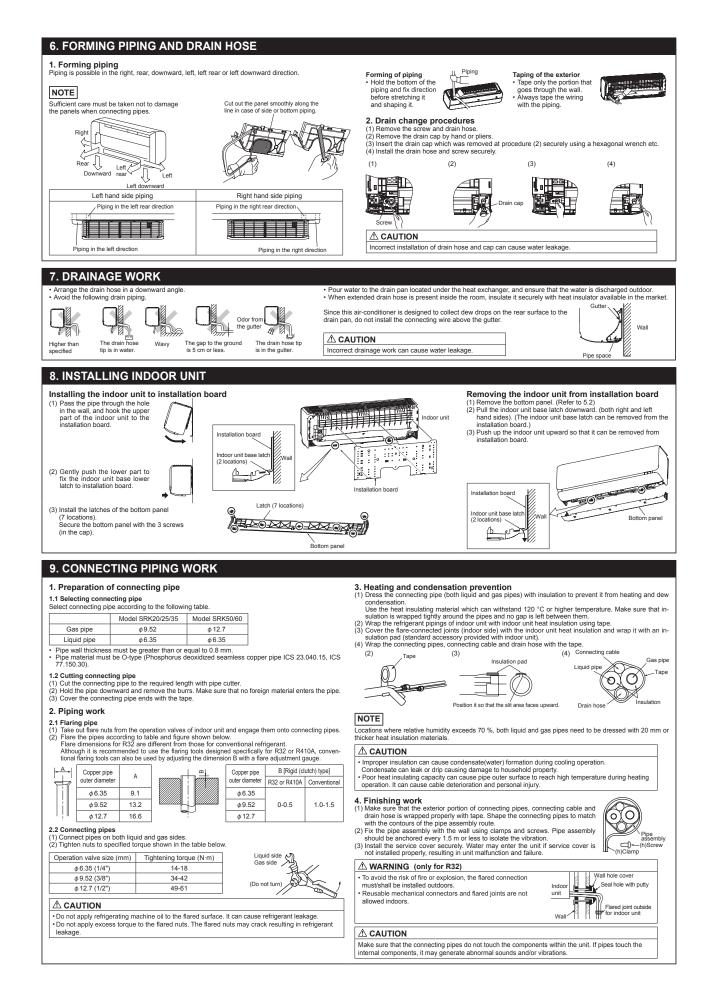
SR. Indoor unit Ø DO (a) SI t the flap of outlet should not rom Remote control ontrol holde Obstacle such Wood screws É

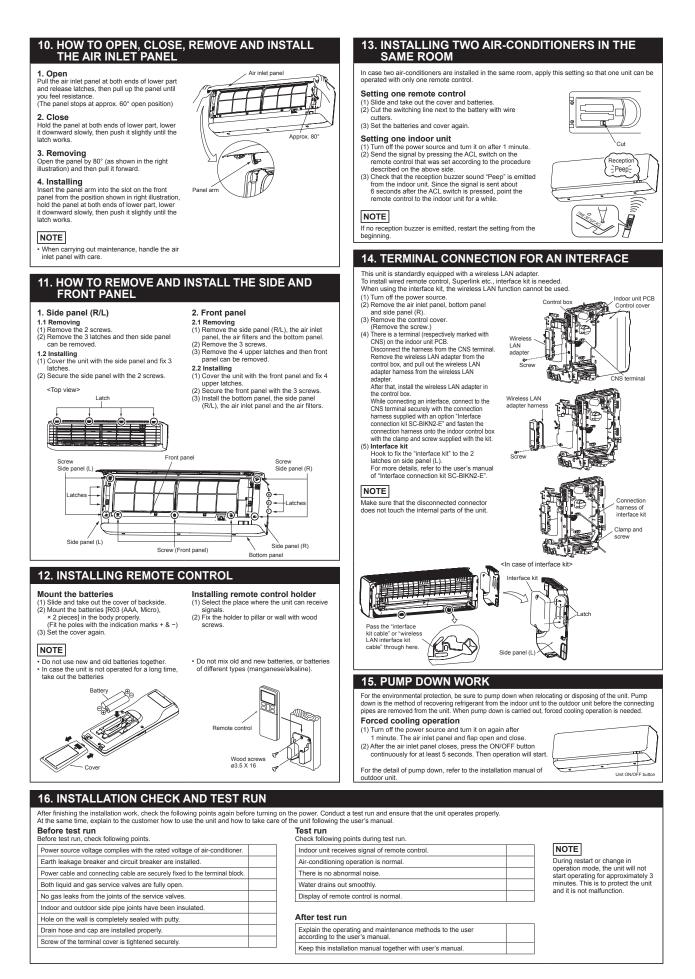
6.5cm minimum from the ceiling (In the case of less than 10 cm, there is a possibility of performan degradation.)





form minimum from the wall





(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

- 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 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 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 annual.
 Be sure to keep the installation manual together with user's manual at a place where it is easily accessible 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. I purport damage.

- **/ WARNING** During pump down work, be sure to stop the compressor before closing ser-vice 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 property. 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. 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. If the refrigerant comes into contact with naked flames, poisonous gases will be produced. Electrical work must be carried out by the qualified electrician, strictly in ac-cordance with national or regional electricity regulations. Incorrect installation can cause electric shock, fire or personal injury. Make sure that earth leakage breaker and circuit breaker of appropriate ca-Directile are installed. Circuit breaker should be able to disconnect all poles under over current. Absence of appropriate car sonal injury sonal injuy. 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 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, mainte-nance or service. If the power source is not switched off, there is a risk of electric shock, unit failure or personal injury. Be sure to tighten the cables securely in terminal block and relieve the ca-bles properly to prevent overloading the terminal blocks. Loose connections or cable mountings can cause anomalous heat production or fire. Do not process, splice or modify the power cable, or share the socket with 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. other power plugs. Improper power cable or power plug can cause fire or electric shock due to poor connection, insuf-ficient insulation or over-current. Do not perform any change in protective device or its setup condition yourself. entrapment, ourn 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
 and compared. 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. and removed. If air enters the refrigerant circuit, the pressure in the refrigerant circuit will become too high, which • 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. 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 op-erating 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 result • ing in burst or personal injury. Be sure to tighten the flare nuts to specified torque using the torque wrench. 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. Tightening flare nuts with excess torgue can cause burst and refrigerant leakage after a long period • Take care when carrying the unit by hand. If the unit weight is more than 20kg, it must be carried by two or more persons. Do not carry the unit by the plastic straps. Always use the carry handle. Do not install the 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.
 De not out anything on the outdoor unit. Do not install the outdoor unit in a location where insects and small animals can inhabit. Insects and small animals can enter the electrical parts and cause damage resulting in fire or personal injury. Instruct the user to keep the surroundings clean. If the outdoor unit is installed at height, make sure that there is enough space for installation, maintenance and service. Insufficient space can result in personal injury due to falling from the height. Do not install the unit near the location where neighbours are bothered by The second state of the se 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 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-Autimitation in temperature is man during neuring operatori. Notaring in call cause outin. 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 op-erating condition. Touching pipes can cause personal injury like burn (hot/cold). Install isolator or disconnect switch on the power source wiring in accor-dance with the local codes and regulations. The isolator should be locked in OFF state in accordance with EN60204-1. 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.

1. ACCESSORIES AND TOOLS

Standard accessories (Supplied with outdoor unit)	Q'ty	Locally procured parts		Tools for installation work	
(1) Drain grommet	4	(a) Anchor bolt(M10-M12)×4 pcs.	Plus headed driver	Spanner wrench	Vacuum pump*
	+ 1	(b) Putty	Knife	Torque wrench [14.0-62.0N•m(1.4-6.2kgf•m)]	Gauge manifold *
(2) Drain elbow	1	(c) Electrical tape	Saw	Wrench key (Hexagon) [4mm]	Charge hose *
*Not included for SRC20, 25, or 35Z5	X-WA.	(d) Connecting pipe	Tape measure	Flaring tool set *	Vacuum pump adapter*
		(e) Connecting cable	Tape measure	Flaring tool set	(Anti-reverse flow type)
		(f) Power cable	Pipe cutter	Flare adjustment gauge	Gas leak detector *
		(g) Clamp and screw (for finishing work)			*Designed specifically for R32 or R410A

(mm)

280 180

Open 250 Open

75 Open Open

2. OUTDOOR UNIT INSTALLATION

Note as a unit designed for R32

- Note as a unit designed Tor NS2
 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 pro-vided 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 sulight.
 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 at-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

site

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

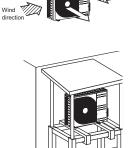
(1) Location of strong wind

(2) Location of snow accumulation

· Place the unit with its outlet side facing the wall. · Place the unit such that the direction of air from

Over 500mn

· 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 Wind direction



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. all height on the outlet side should

Size

Example installation

L1

L2

L3

L4

Ι Π III IV

Open 280 100

100 80 80 80

250

777777777777777777777777777777777777777	
L2 Inlet J L3	Service
Inlet	space /
Outlet J	L1
	+

NOTE

7

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

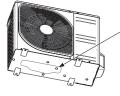
When more than one unit are installed in parallel directions, provide sufficient inlet space so that short-circuiting may not occur.

4. Drain piping work (If necessary)

Carry out drain piping work by using a drain elbow and a drain grommet supplied separately as acces-sories if condensed water needs to be drained out.

Install drain elbow and drain grommet.
 Seal around the drain elbow and drain grommet with putty or adequate caulking material.

<SRC20/25/35/40/50/607SX-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.

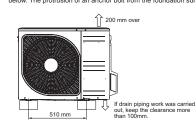
Do not use drain elbow and drain grommet if there is a possibility to have several consecutive days of sub zero temperature. (There is a risk of drain water freezing inside and blocking the drain.)

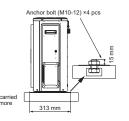
Do not block the drain holes when installing the outdoor unit.





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.



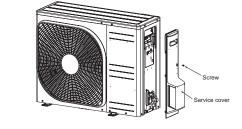


▲ CAUTION

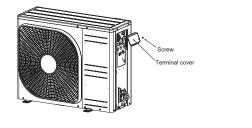
Install the unit properly so that it does not fall over during earthquake, strong wind, etc.
Make sure that unit is installed on a flat level base. Installing unit on uneven base may result in unit malfunction.

3. PREPARATION FOR WORK

1. Removing service cover v. Slide service cover downwards and remove it.



2. Removing terminal cover and take out terminal cover



the outlet gets perpendicular to the wind direc-tion.

5. Installation

Install the unit on a flat level base

4. CONNECTING PIPING WORK

1. Restrictions on unit installation

	ig restrictions on unit in can cause compresso	s on unit installation. compressor failure or perfor	nance	e degradation.
	Dimensiona	Dimensional restrictions	1 [
	Model SRC20/25/3	SRC20/25/35 Model SRC40/50/60	1	
Connecting pipe lengt	h(L) 25m or less	im or less 30m or less	н	
Elevation difference bet indoor and outdoor unit	15m or less	im or less 20m or less		
indoor and outdoor unit	15m or less			than the indoor unit installation positio

2. Preparation of connecting pipe

1. Selecting connecting pip	ecting pipe be according to the follo	owing table.
	Model SRC20/25/35	Model SRC40/50/60
Gas nine	ø9.52	ø12 7

Liquid pipe	ø6.35	ø6.35
Pipe wall thickness	must be greater than	or equal to 0.8 m

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

Se

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

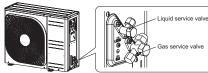
2.2. Cutting connecting pipe

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

3. Piping work

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

Carry out the piping work with service valves fully closed.



3.1. Flaring pipe

1.1 raining pipe
 11) Take out flare nuts from the service valves of outdoor 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 gauge.

A	Connor nino		1 001	Copper pipe	Rigid (clutch) type	
	Copper pipe outer diameter	A_0.4		outer diameter	R32 or R410A	Conventional	
	ø6.35	9.1		ø6.35			
	ø9.52	13.2		ø9.52	0-0.5	1.0-1.5	
1.1.1	ø12.7	16.6		ø12.7			

3.2. Connecting pipes

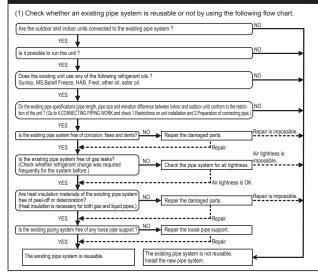
(1) Connect pipes on both liquid and gas sides.

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



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

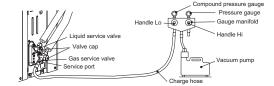
5. UTILIZATION OF EXISTING PIPE



4. Evacuation

- (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 hiside 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. (4) Close the Handle Lo and stop the vacuum pump.
- wing back (5) Remove valve caps from liquid service valve and gas operation valve.
 (6) Turn the liquid service valve's rod 90 degree counterclockwise with a hexagonal wrench key to open valve
- 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.
 (8) Tighten service valve caps and service port cap to the specified torque shown in the table below.

Service valve size (mm)	Service valve cap tightening torque (N·m)	Service port cap tightening torque (N·m)		
ø6.35 (1/4")	20-30			
ø9.52 (3/8")	20-30	10-12		
ø12.7 (1/2")	25-35			



A CAUTION

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

5. Additional refrigerant charge

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

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.

adding on angoa amount ao ono minin ano tablo bolom.
 The maximum refrigerant charge amount is designed as shown in the table below.

0 0	•	
	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

NOTE

Do not hold the valve cap area with a spanne

· 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. DI UND POWN) 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.

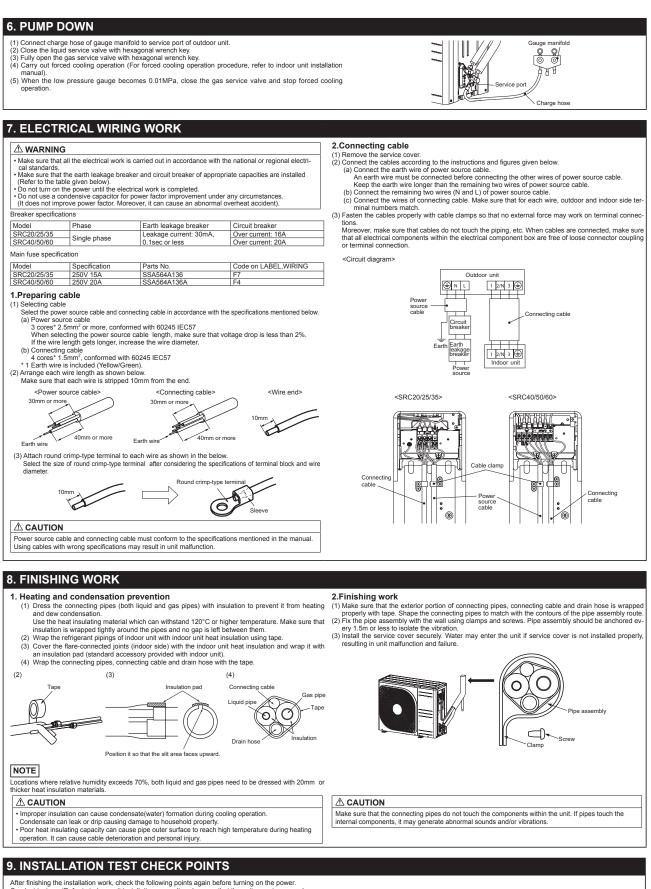
- Do not use the old flare nuts (of existing unit). Make sure that the flare nuts supplied with the (new) outdoor unit are used.
- · If the flared / compression connection to the indoor unit is located inside the house / room then this
- pipework can't be reused.

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 Gas pipe		ø9.52	
		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)



Conduct test run (Refer to indoor unit installation manual) and ensure that the unit operates properly

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.	
Drain hose (if installed) is fixed properly.	
Screw of the service cover is tightened properly.	

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

	Madala	CDC007CV W	
I)	wodels	SRC20ZSX-W	

	SRC25ZSX-W SRC35ZSX-W SRC50ZSX-W, -W1 SRC60ZSX-W, -W1		PE AIR-CONDITIONER
	This equipment uses flammable refrigerants. If the refrigerant is leaked, together with an external ignition source, there is a possibility of ignition.		There is information included in the user's manual and/or installation manual.
	The user's manual should be read carefully.		A service personnel should be handing this equipment with reference to the installation manual.
a precauti	onary items mentioned below are distinguished into two levels 🕅 WAE	NING and	

The precautionary items mentioned below are distinguished into two levels, A WARNING and A CAUTION.

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

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

🗥 WARNING

Strict compliance of the domestic laws must be

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

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

A CAUTION

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

1. General

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

2. Unventilated areas

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

3. Qualification of workers

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

4. Information on servicing

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

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

4.9 Checks to electrical devices

Do not pierce or burn.

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

5. Repairs to sealed components

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

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

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

NOTE

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

6. Repair to intrinsically safe components

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

7. Cabling

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

8. Detection of flammable refrigerants

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

9. Leak detection methods

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

(10. Removal and evacuation

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

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

11. Charging procedures

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

12. Decommissioning

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

13. Labelling

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

14. Recovery

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

(15. Other safety precautions

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

(b) Model SRC50ZSX-W2



	This equipment uses flammable refrigerants. If the refrigerant is leaked, together with an external ignition source, there is a possibility of ignition.		There is information included in the user's manual and/or installation manual.
]	The user's manual should be read carefully.	Æ	A service personnel should be handing this equipment with reference to the installation manual.

This safety precaution sheet is for R32 refrigerant. If you want to know the type of refrigerant in the unit, check the label attached to the outdoor unit.

The precautionary items mentioned below are distinguished into two levels, MARNING and ACAUTION

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

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

🗥 WARNING

- Strict compliance of the domestic laws must be The appliance shall be stored in a room without continuously operating ignition sources (for example: open flames, an operating gas appliance or an operating electric heater).
- Do not pierce or burn. Be aware that refrigerants may not contain an odour

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

observed when disposing the appliance.

- (1. General)
- That the installation of pipe-work shall be kept to a minimum That pipe-work shall be protected from physica
- damage. That compliance with national gas regulations shall
- be observed.
- That mechanical connections shall be accessible for maintenance purposes
- Keep any required ventilation openings clear of obstruction.
- Servicing shall be performed only as recommended by the manufacturer
- Equipment piping in the occupied space shall be installed in such a way to protect against accidental damage in operation and service.
- Precautions shall be taken to avoid excessive vibration or pulsation to refrigerating piping. Protection devices, piping and fittings shall be protected as far as possible against adverse environmental effects, for example, the danger of water collecting and freezing in relief pipes or the accumulation of dirt and debris.
- Provision shall be made for expansion and contraction of long runs of piping.
- Piping in refrigerating systems shall be so designed and installed to minimize the likelihood hydraulic shock damaging the system.
- The indoor equipment and pipes shall be securely mounted and guarded such that accidental rupture of equipment cannot occur from such events as moving furniture or reconstruction activities

(2. Unventilated areas

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

(3. Qualification of workers

The staff in servicing operations must hold the national gualification or other relevant gualifications.

(4. Information on servicing

- 4.1 Checks to the area
- Prior to beginning work on systems containing flammable refrigerants, safety checks are necessary to ensure that the risk of ignition is minimised
- For repair to the refrigerating system, 4.2 to 4.6 shall be completed prior to conducting work on the system. 4.2 Work procedure
- Work shall be undertaken under a controlled procedure so as to minimise the risk of a flammable gas or vapour being present while the work is being performed.

- 4.3 General work area
- All maintenance staff and others working in the local area shall be instructed on the nature of work being carried out
- Work in confined spaces shall be avoided 4.4 Checking for presence of refrigerant
- The area shall be checked with an appropriate refrigerant detector prior to and during work, to ensure the technician is aware of potentially toxic or flammable atmospheres.
- Ensure that the leak detection equipment being used is suitable for use with all applicable refrigerants, i.e. non-sparking, adequately sealed or intrinsically safe.
- 4.5 Presence of fire extinguisher
- If any hot work is to be conducted on the refrigerating equipment or any associated parts, appropriate fire extinguishing equipment shall be available to hand. Have a dry powder or CO, fire extinguisher adjacent to the charging area.
- 4.6 No ignition sources No person carrying out work in relation to a refrigerating system which involves exposing any pipe work shall use any sources of ignition in such a manner that it may lead to the risk of fire or explosion
- All possible ignition sources, including cigarette smoking, should be kept sufficiently far away from the site of installation, repairing, removing and disposal, during which refrigerant can possibly be released to the surrounding space.
- Prior to work taking place, the area around the equipment is to be surveyed to make sure that there are no flammable hazards or ignition risks. "No Smoking" signs shall be displayed.
- 4.7 Ventilated area
- Ensure that the area is in the open or that it is adequately ventilated before breaking into the system or conducting any hot work.
- A degree of ventilation shall continue during the period that the work is carried out.
- The ventilation should safely disperse any released refrigerant and preferably expel it externally into the atmosphere
- 4.8 Checks to the refrigerating equipment
- Where electrical components are being changed, they shall be fit for the purpose and to the correct specification
- At all times the manufacturer's maintenance and service guidelines shall be followed.
- If in doubt consult the manufacturer's technical department for assistance.
- The following checks shall be applied to installations using flammable refrigerants the actual refrigerant charge is in accordance with the room size within which the refrigerant containing parts are installed:

- the ventilation machinery and outlets are
- operating adequately and are not obstructed; if an indirect refrigerating circuit is being used, the secondary circuit shall be checked for the presence of refrigerant;
- marking to the equipment continues to be visible and legible. Markings and signs that are illegible shall be corrected:
- refrigerating pipe or components are installed in a position where they are unlikely to be exposed to any substance which may corrode refrigerant containing components, unless the components are constructed of materials which are inherently resistant to being corroded or are suitably protected against being so corroded.
- 4.9 Checks to electrical devices
- Repair and maintenance to electrical components shall include initial safety checks and component inspection procedures.
- If a fault exists that could compromise safety, then no electrical supply shall be connected to the circuit until it is satisfactorily dealt with.
- If the fault cannot be corrected immediately but it is necessary to continue operation, an adequate temporary solution shall be used.
- This shall be reported to the owner of the equipment so all parties are advised.
- Initial safety checks shall include:
- that capacitors are discharged: this shall be done in a safe manner to avoid possibility of sparking; that no live electrical components and wiring are exposed while charging, recovering or purging
- the system; that there is continuity of earth bonding

(5. Repairs to sealed components

- During repairs to sealed components, all electrical supplies shall be disconnected from the equipment being worked upon prior to any removal of sealed covers, etc.
- If it is absolutely necessary to have an electrical supply to equipment during servicing, then a permanently operating form of leak detection shall be located at the most critical point to warn of a potentially hazardous situation.
- Particular attention shall be paid to the following to ensure that by working on electrical components the casing is not altered in such a way that the level of protection is affected.
- This shall include damage to cables, excessive number of connections, terminals not made to original specification, damage to seals, incorrect fitting of glands, etc.
- Ensure that the apparatus is mounted securely.

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Ensure that seals or sealing materials have not degraded to the point that they no longer serve the purpose of preventing the ingress of flammable atmospheres

Replacement parts shall be in accordance with the manufacturer's specifications.

6. Repair to intrinsically safe components Do not apply any permanent inductive or

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

NOTE

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

(7. Cabling)

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

(8. Detection of flammable refrigerants

- Under no circumstances shall potential sources of ignition be used in the searching for or detection of refrigerant leaks.
- A halide torch (or any other detector using a naked flame) shall not be used. Electronic leak detectors may be used to detect
- refrigerant leaks but, in the case of flammable refrigerants, the sensitivity may not be adequate, or may need re-calibration. (Detection equipment shall be calibrated in a refrigerant-free area.)
- Ensure that the detector is not a potential source of ignition and is suitable for the refrigerant used.
- Leak detection equipment shall be set at a percentage of the LFL of the refrigerant and shall be calibrated to the refrigerant employed, and the appropriate percentage of gas (25 % maximum) is confirmed.
- Leak detection fluids are suitable for use with most refrigerants but the use of detergents containing chlorine shall be avoided as the chlorine may react with the refrigerant and corrode the copper pipe-work.

NOTE

- Examples of leak detection fluids are
- bubble method,

- fluorescent method agents.

- If a leak is suspected, all naked flames shall be removed/extinguished.
- If a leakage of refrigerant is found which requires brazing, all of the refrigerant shall be recovered from the system, or isolated (by means of shut off valves) in a part of the system remote from the leak. Removal of refrigerant shall be according to Item 9.

9. Removal and evacuation

- When breaking into the refrigerant circuit to make repairs – or for any other purpose – conventional procedures shall be used. However, for flammable refrigerants it is important that best practice is followed since flammability is a consideration.
- The following procedure shall be adhered to:
- remove refrigerant;
 purge the circuit with inert gas (option for A2L); evacuate (option for A2L);
 purge with inert gas (option for A2L);
 open the circuit by cutting or brazing.

· The refrigerant charge shall be recovered into the

- correct recovery cylinders. For appliances containing flammable refrigerants other than A2L refrigerants, the system shall be purged with oxygen-free nitrogen to render the appliance safe.
- This process may need to be repeated several times. Compressed air or oxygen shall not be used for purging refrigerant systems.
- For appliances containing flammable refrigerants, other than A2L refrigerants, refrigerants purging shall be achieved by breaking the vacuum in the system with oxygen-free nitrogen and continuing to fill until the working pressure is achieved, then venting to atmosphere, and finally pulling down to a vacuum. This process shall be repeated until no refrigerant is within the system.
- When the final oxygen-free nitrogen charge is used, the system shall be vented down to atmospheric pressure to enable work to take place. This operation is absolutely vital if brazing operations on the pipe-work are to take place.
- Ensure that the outlet for the vacuum pump is not close to any ignition sources and that ventilation is available.

10. Charging procedures

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

(11. Decommissioning

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

- j) When the cylinders have been filled correctly and the process completed, make sure that the cylinders and the equipment are removed from site promptly and all isolation valves on the equipment are closed off.
- k) Recovered refrigerant shall not be charged into another refrigerating system unless it has been cleaned and checked.

12. Labelling)

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

13. Recovery

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

14. Other safety precautions

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

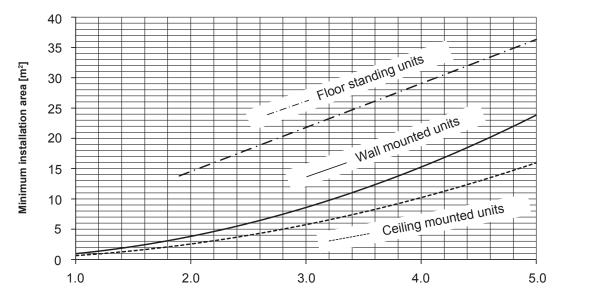
Selection of installation location for the indoor unit

• Minimum installation area for indoor unit

The indoor unit shall be installed in a room with minimum installation area or more according to the refrigerant charge amount (factory refrigerant charge + additional refrigerant charge).

For factory refrigerant charge, refer to the outdoor unit label model name or installation sheet.

For additional refrigerant charge, refer to the outdoor unit installation sheet.

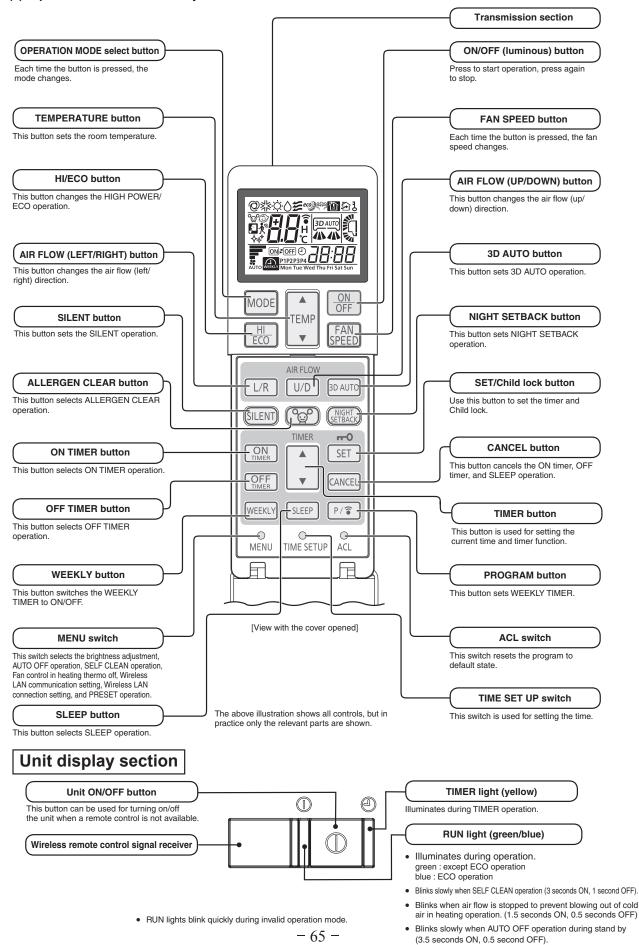


Refrigerant	charge	amount	[kg]
-------------	--------	--------	------

Defrigerent shares	Minimum installation area [m ²]		Pofrigorant charge	Minimum installation area [m ²]			
Refrigerant charge amount [kg]	Wall mounted units	Ceiling mounted units	Floor standing units	Refrigerant charge amount [kg]	Wall mounted units	Ceiling mounted units	Floor standing units
1.0	1.0	0.6		3.1	9.2	6.1	22.5
1.1	1.2	0.8		3.2	9.8	6.5	23.2
1.2	1.4	0.9		3.3	10.4	7.0	24.0
1.3	1.6	1.1		3.4	11.0	7.4	24.7
1.4	1.9	1.3	No requirements	3.5	11.7	7.8	25.4
1.5	2.1	1.4		3.6	12.4	8.3	26.1
1.6	2.4	1.6		3.7	13.1	8.7	26.9
1.7	2.8	1.8		3.8	13.8	9.2	27.6
1.8	3.1	2.1		3.9	14.5	9.7	28.3
1.9	3.4	2.3	13.8	4.0	15.3	10.2	29.0
2.0	3.8	2.6	14.5	4.1	16.0	10.7	29.8
2.1	4.2	2.8	15.3	4.2	16.8	11.3	30.5
2.2	4.6	3.1	16.0	4.3	17.6	11.8	31.2
2.3	5.0	3.4	16.7	4.4	18.5	12.4	32.0
2.4	5.5	3.7	17.4	4.5	19.3	12.9	32.7
2.5	6.0	4.0	18.2	4.6	20.2	13.5	33.4
2.6	6.4	4.3	18.9	4.7	21.1	14.1	34.1
2.7	7.0	4.7	19.6	4.8	22.0	14.7	34.9
2.8	7.5	5.0	20.3	4.9	22.9	15.3	35.6
2.9	8.0	5.4	21.1	5.0	23.8	16.0	36.3
3.0	8.6	5.7	21.8				

9. OUTLINE OF OPERATION CONTROL BY MICROCOMPUTER

(1) Operation control function by wireless remote control



(2) Unit ON/OFF button

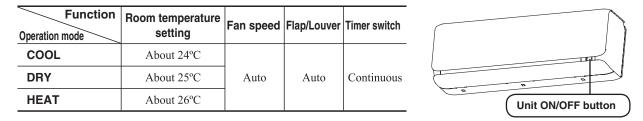
When the wireless remote control batteries become weak, or if the wireless remote control is lost or malfunctioning, this button may be used to turn the unit on and off.

(a) Operation

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

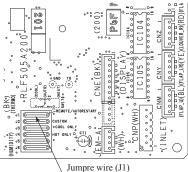
(b) Details of operation

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



(3) Auto restart function

- (a) Auto restart function records the operational status of the air-conditioner immediately prior to be switched off by a power cut, and then automatically resumes operations after the power has been restored.
- (b) The following settings will be cancelled:
 - (i) Timer settings
 - (ii) HIGH POWER operation
- Notes (1) Auto restart function is set at on when the air-conditioner is shipped from the factory. Consult with your dealer if this function needs to be switched off.
 - (2) When power failure ocurrs, the timer setting is cancelled. Once power is resumed, reset the timer.
 - (3) If the jumper wire (J1) "AUTO RESTART" is cut, auto restart is disabled. (See the diagram at right)



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

When two air-conditioners are installed in the room, use this setting when the two air-conditioners are not operated with one wireless remote control. Set the wireless remote control and indoor unit.

(a) Setting the wireless remote control

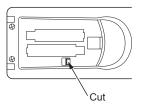
- (i) Pull out the cover and take out batteries.
- (ii) Cut the switching line next to the battery with wire cutters.
- (iii) Insert batteries. Close the cover.

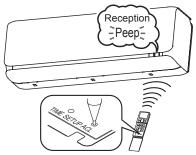
(b) Setting an indoor unit

- (i) Turn off the power source, and turn it on after 1 minute.
- (ii) Point the wireless remote control (that was set according to the procedure described on the left side) at the indoor unit and send a signal by pressing the ACL switch on the wireless remote control.Since the signal is sent in about 6 seconds after the ACL switch is pressed,

point the wireless remote control at the indoor unit for some time.

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





(5) Selection of the annual cooling function

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

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

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

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

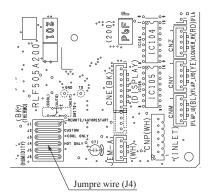
(b) Content of control

- (i) If the outdoor air temperature sensor (SRK20, 25, 35 : TH3, SRK50, 60 : TH2) detects below 5° C, the indoor unit speed is switched to 8th step.
- (ii) If the outdoor air temperature sensor (SRK20, 25, 35 : TH3, SRK50, 60 : TH2) detects higher than 7°C, the indoor unit speed is changed to the normal control speed.

(6) Heating only function

- (a) Heating only function can be enabled by disconnecting the jumper wire (J4).
- (b) Control contents

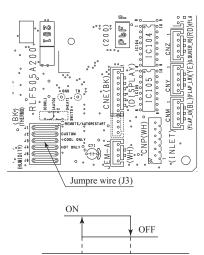
Operation mode setting	Operation mode
COOL/DRY/FAN	FAN
AUTO/HEAT	HEAT



(7) High power operation

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

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

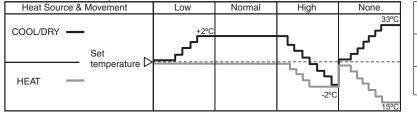


Outdoor air temperature (°C)

(8) Economy operation

(a) Pressing the HI/ECO button initiates a soft operation with the power suppressed in order to avoid an excessive cooling or heating.
(b) The remote control *eop* displays.

(c) The set temperature will be adjusted according to the amount of movement made by the person(s) the motion sensor has detected. MODE:AUTO mode operation



MODE:COOL/HEAT/DRY mode operation

Heat Source & Movement	Low	Normal	High	None
COOL/DRY				
HEAT ── temperature ▷				

Low	When the extent of human
LOW	movement is low
High	When the extent of human
	movement is high
None	When there is no one in the
None	room

- The set temperature is automatically adjusted during economy operation, however, the indication on the remote control display does not change.
- When the SLEEP TIMER, OFF TIMER, and ON TIMER + OFF TIMER operation are set, the motion sensor does not adjust temperatures.
- When the "None" continues for 1 hour, the FAN SPEED is set ULo.

Notes (1) It will go into economy operation at the next time the air-conditioner runs in the following case.

① When the air-conditioner is stopped by ON/OFF button during economy operation.

(2) When the air-conditioner is stopped in SLEEP or OFF TIMER operation during economy operation.

3 When the operation is retrieved from SELF CLEAN or ALLERGEN CLEAR operation.

(2) When the following operations are set, economy operation will be canceled.

(1) When the HI/ECO button is pressed again.

2 When the operation mode is changed from DRY to FAN.

③ When the NIGHT SETBACK button is pressed.

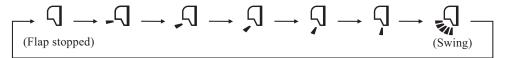
(3) Not operable while the air-conditioner is OFF.

(9) Air flow direction adjustment

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

(a) Flap

Every time when you press the AIR FLOW U/D (UP/DOWN) button the mode changes as follows



• Angle of flap from horizontal

Wireless remote control display	_ -	Ţ	ŗ	٦ ۲	٦ ۲
COOL, DRY, FAN	Approx. 15°	Approx. 20°	Approx. 25°	Approx. 30°	Approx. 55°
HEAT	Approx. 30°	Approx. 40°	Approx. 45°	Approx. 50°	Approx. 55°

(b) Louver

Every time when you press the AIR FLOW L/R (LEFT/RIGHT) button the mode changes as follows (Louver stopped) (Swing) (Spot) (Wide) Angle of louver Wireless remote control display **Center installation** Left approx. 50° Left approx. 20° Center Right approx. 20° Right approx. 50° **Right end installation** Left approx. 50° Left approx. 45° Left approx. 30° Center Right approx. 20° Left end installation Left approx. 20° Center Right approx. 30° Right approx. 45° Right approx. 50°

(c) Swing

- (i) Swing flap
 (ii) Swing louver
 Flap moves in upward and downward
 directions continuously.
 ♦ In COOL, DRY, FAN operation
 ♦ In HEAT operation
- Approx. 25° Approx. 30° Approx. 55°

(d) Memory flap (Flap or louver stopped)

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

(10) 3D auto operation

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(b) During DRY operation (including auto DRY operation)

Flap	Horizontal blowing (Fixed)	
Louver	Wide (Fixed)	

(11) Timer operation

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

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

(b) Sleep timer operation

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

(c) OFF timer operation

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

(d) Weekly timer operation

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

Note Timer operation from wireless remote control becomes invalid when you connect the interface kit (such as SC-BIKN2-E).

Item	Sleep timer	OFF timer	ON timer	Weekly timer
Sleep timer		×	0	×
OFF timer	×		0	×
ON timer	0	0		×
Weekly timer	×	×	×	

(e) Combination of patterns which can be set for the timer operations

Notes (1) \bigcirc : Allowed \times : Not

(2) Since the ON timer, sleep timer and OFF timer are set in parallel, when the times to turn ON and OFF the air-conditioner are duplicated, the setting of the OFF timer has priority.

(12) Silent operation

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

	SRK20		SRK25		SRK35		SRK50		SRK60	
	Cooling	Heating								
Outdoor fan speed (Upper limit)	4th speed	4th speed	4th speed	4th speed	5th speed	6th speed	5th speed	5th speed	5th speed	5th speed
Compressor speed (Upper limit)	18 rps	26 rps	24 rps	28 rps	36 rps	44 rps	43 rps	48 rps	43 rps	48 rps

(13) Night setback operation

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

(14) Air flow range setting

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

(a) Setting

(i) If the air-conditioner is running, press the ON/OFF button to stop.

The air flow range setting cannot be made while the unit is running.

(ii) Press the AIR FLOW U/D (UP/DOWN) button and the

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

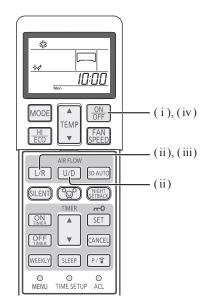
The air flow range setting display illuminates.

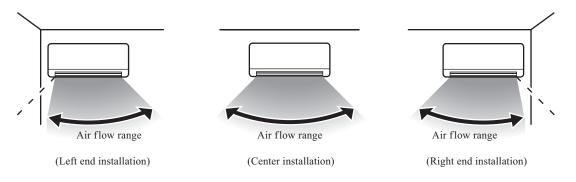
(iii) Setting the air flow range.

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

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







(iv) Press the ON/OFF button.

The air-conditioner's air flow range is set.

Press within 60 seconds of setting the air flow range (while the air flow range setting display illuminates).

(15) Display brightness adjustment

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

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

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

(16) AUTO OFF operation

In order to prevent the air-conditioner from continuing to operate although the person(s) has already left the room, the air-conditioner automatically stops approximately 1 hour (or 2 hours) after the sensor judges that there is no one in the room.

- (a) Emits a warning sound, "Peep, Peep, Peep", and stops the operation automatically when there is no one in the room for setting time (Standby). When the motion sensor detects a person 12 hours after the operation was stopped, the operation resumes with the same settings. The operation does not resume even if a person is detected after 12 hours has elapsed. (The RUN light blinks slowly during standby.)
- (b) When the SLEEP TIMER, OFF TIMER and ON TIMER + OFF TIMER operation are set, the AUTO OFF functions is disabled.
- (c) The AUTO OFF function does not activate if the operation is started by the ON TIMER when there is no one at home.

(17) Wireless LAN connection function

(a) Operating conditions

When a signal of wireless LAN connection setting was received from a remote control during all air-condioners stop

- (b) Detail of operation
 - (i) A signal which corresponds to the signal received from a remote control is sent to interface.
 - (ii) A buzzer for confirmation of receipt rings.

(c) Reset conditions

When either of the following conditions is satisfied

- (i) When a reception complete signal was received from interface
- (ii) When an interface communication setting OFF signal was received from a remote control
- Note Regarding a long buzzer sound (In wireless LAN connection setting)

When RUN light and TIMER light blink simultaneously (at an interval of 2 seconds) and you push the remote control button, the indoor unit may emit a long buzzer sound for approximately 3 seconds.

The occurrence of this buzzer sound is not abnormal.

(18) Fan control during heating thermostat OFF

- (i) Following fan controls during the heating thermostat OFF can be selected with the wireless remote control.
- 1) Normal thermostat operation 2) Fireplace 3) Interval 4) Stop
- (ii) When the "Normal thermostat operation" is selected, the indoor fan is controlled by HOT KEEP.
- (iii) When the "Fireplace" is selected, it is operated with the set fan speed also in the thermostat OFF condition.
- (iv) If the "Interval" is selected, following controls are performed:
 - 1) If the thermostat is turned OFF during the heating operation, the indoor unit turns OFF the indoor fan.
 - 2) Indoor fan OFF is fixed for 5 minutes. After the 5 minutes, the indoor fan is operated at ① tap for 1 minute.
 - 3) After operating at (1) tap for 1 minute, the indoor fan moves to the state of 1) above.
- (v) When the "Stop" is selected, the fan on the indoor unit of which the thermostat has been turned OFF, is turned OFF.
- Note To use "Stop" function, additional work in which the suction temperature sensor can detect the room temperature appropriately is required. Otherwise, it may take time to return to heating and the heating capacity may be insufficient.

(19) Outline of heating operation

(a) Operation of major functional components in heating mode

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

*When a wired remote control is connected, a signal of a wired remote control is priority. HOT KEEP, Fireplace, Interval and Stop can be established.

In the case, indoor air temperature is detected by sensor on the wired remote control.

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

(i) Fuzzy operation

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

Model Fan speed	SRK20	SRK25	SRK35	SRK50	SRK60
Auto	12-78rps	12-86rps	12-98rps	12-106rps	12-120rps
HI	12-78rps	12-86rps	12-98rps	12-106rps	12-120rps
MED	12-78rps	12-86rps	12-98rps	12-106rps	12-120rps
LO	12-42rps	12-50rps	12-66rps	12-78rps	12-90rps
ULO	12-30rps	12-30rps	12-30rps	12-38rps	12-38rps

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

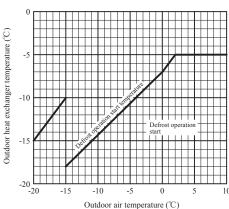
(ii) Hot keep operation

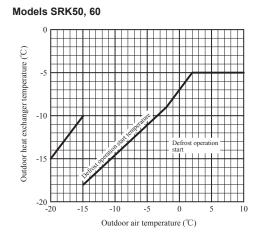
During the heating operation, the indoor fan speed can be controlled based on the temperature of the indoor heat exchanger (Th2) to prevent blowing out of cold air.

(c) Defrost operation

- (i) Starting conditions (Defrost operation can be started only when all of the following conditions are satisfied.)
 - After start heating operation
 When it elapsed 35 minutes. (Total compressor operation time)
 - After finish of defrost operation
 When it elapsed 35 minutes. (Total compressor operation time)
 - Outdoor heat exchanger sensor (models SRK20, 25, 35 : TH2 ; models SRK50, 60 : TH1) temperature When the temperature has been -5°C or less for 3 minutes continuously.
 - 4) The difference between the outdoor air sensor temperature and the outdoor heat exchanger sensor temperature is as following.

Models SRK20, 25, 35

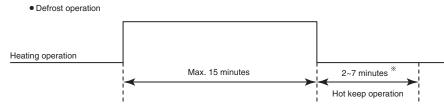




5) During continuous compressor operation In case satisfied all of following conditions.

• Connect compressor speed 0 rps 10 times or more.

- Satisfy 1), 2) and 3) conditions above.
- Outdoor air temperature is 3°C or less.
- (ii) Ending conditions (Operation returns to the heating cycle when either one of the following is satisfied.)
 - Outdoor heat exchanger sensor (models SRK20, 25, 35 : TH2 ; models SRK50, 60 : TH1) temperature: 13°C (models SRK50, 60 : 10°C) or higher
 - 2) Continued operation time of defrost operation \rightarrow For more than 15 minutes.



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

(d) Countermeasure for excessive temperature rise

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

(i) Setting

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

(ii) Contents of control

Unit : °C

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

(iii) Reset condition

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

(20) Outline of cooling operation

(a) Operation of major functional components in cooling mode

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

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

(i) Fuzzy operation

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

Fan speed	SRK20	SRK25	SRK35	SRK50	SRK60
Auto	12-50rps	12-58rps	12-74rps	12-86rps	12-110rps
HI	12-50rps	12-58rps	12-74rps	12-86rps	12-110rps
MED	12-34rps	12-38rps	12-54rps	12-70rps	12-90rps
LO	12-30rps	12-34rps	12-42rps	12-50rps	12-66rps
ULO	12-30rps	12-30rps	12-30rps	12-30rps	12-30rps

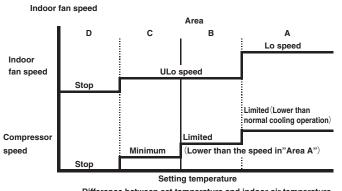
(21) Outline of dehumidifying (DRY) operation

(a) Purpose of DRY mode

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

(b) Outline of control

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



Difference between set temperature and indoor air temperature

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

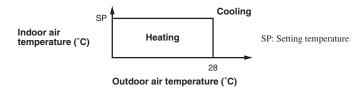
(c) Other

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

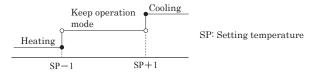
(22) Outline of automatic operation

(a) Determination of operation mode

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



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



Indoor air temperature – Setting temperature (°C)

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

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

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

(23) Protective control function

(a) Dew prevention control [Cooling]

Prevents dewing on the indoor unit

(i) Operating conditions

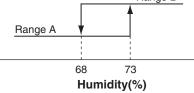
When the following conditions have been satisfied for more than 30 minutes after starting operation

- 1) Compressor's speed is 22 rps or higher.
- 2) Detected value of humidity is 68% (models SRK50, 60 : 60%) or higher.

(ii) Contents of operation

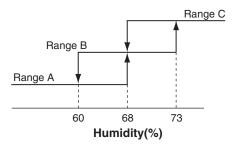
1) Air capacity control

Item	Model	SRK20, 25	SRK35	
ULO	Upper limit of compressor's speed	RangeA: 40rps, RangeB: 24rps	RangeA: 45rps, RangeB: 24rps	
OLO	Indoor fan	4th s	peed	
LO	Upper limit of compressor's speed	RangeA: 40rps, RangeB: 24rps	RangeA: 45rps, RangeB: 24rps	
LU	Indoor fan	Adaptable to compressor speed		
	Upper limit of compressor's speed	RangeA: 40rps, RangeB: 30rps	RangeA: 45rps, RangeB: 30rps	
AUTO,HI,MED	Indoor fan	Adaptable to co	ompressor speed	
Note (1) Ranges A and	d B are as shown below.			
	Range B			



Item	Model	SRK50	SRK60
ULO	Upper limit of compressor's speed	Range A:50rps, Range B:50rps, Range C:24rps	Range A:50rps, Range B:50rps, Range C:24rps
010	Indoor fan	Range A:Adaptable to compressor speed Range B, Range C:4th speed	Range A:Adaptable to compressor speed Range B, Range C:4th speed
LO	Upper limit of compressor's speed	Range A:50rps, Range B:50rps, Range C:24rps	Range A:50rps, Range B:50rps, Range C:24rps
	Indoor fan	Adaptable to compressor speed	Adaptable to compressor speed
MED	Upper limit of compressor's speed	Range A:50rps, Range B:50rps, Range C:30rps	Range A:50rps, Range B:50rps, Range C:30rps
	Indoor fan	Adaptable to compressor speed	Adaptable to compressor speed
н	Upper limit of compressor's speed	Range A:70rps, Range B:50rps, Range C:30rps	Range A:80rps, Range B:50rps, Range C:30rps
	Indoor fan	Adaptable to compressor speed	Adaptable to compressor speed
AUTO	Upper limit of compressor's speed	Range A:50rps, Range B:50rps, Range C:30rps	Range A:50rps, Range B:50rps, Range C:30rps
AUTO	Indoor fan	Adaptable to compressor speed	Adaptable to compressor speed

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



- When this control has continued for more than 30 minutes continuously, the following wind direction control is performed (except for range A of SRK50, 60).
 - a) When the vertical wind direction is set at other than the vertical swing, the flaps change to the horizontal position.
 - b) When the horizontal wind direction is set at other than the horizontal swing, the louver changes to the vertical position.

2.5°C or lower

0 rps

Keep the fan speed before

frost prevention control

Depends on stop mode

(iii) Reset condition

Humidity is less than 63% (models SRK50, 60 : 55%).

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

(i) Operating conditions

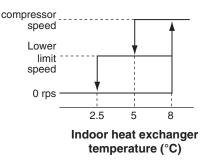
Item

Indoor fan

Outdoor fan

4-way valve

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



(ii) Detail of anti-frost operation

Lower limit of compressor command speed

Indoor heat exchanger temperature

Notes (1) When the indoor heat exchanger temperature is in the range of $2.5-5^{\circ}$ C, the speed is reduced by 4 rps at each 20 seconds.

5°C or lower

22 rps

Depends on operation mode

Depends on compressor speed

OFF

(2) When the temperature is lower than 2.5° C, the compressor is stopped.

(3) When the indoor heat exchanger temperature is in the range of $5-8^{\circ}$ C, the compressor speed is been maintained.

(iii) Reset conditions

When either of the following condition is satisfied

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

(c) Cooling overload protective control

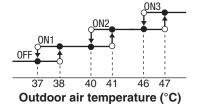
(i) Operating conditions

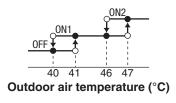
When the outdoor air temperature (models SRK20, 25, 35 : TH3 ; models SRK50, 60 : TH2) has become continuously for 30 seconds at 38°C or more, or 41°C or more, or 47°C or more with the compressor running, the lower limit speed of compressor is brought up.

Model		SRK20, 25, 35	SRK50, 60		
Outdoor air temperature	38°C or more	41°C or more	47°C or more	41°C or more	47°C or more
Lower limit speed	25 rps	30 rps	40 rps	30 rps	40 rps



SRK50, 60





(ii) Detail of operation

- 1) The outdoor fan is stepped up by 3 speed step. [Upper limit 8 th speed.]
- The lower limit of compressor speed is set to 25 or 30 or 40rps. However, when the thermo OFF, the speed is reduced to 0 rps.

(iii) Reset conditions

When either of the following condition is satisfied

- 1) The outdoor air temperature is lower than 37°C (models SRK50, 60 : 40°C).
- 2) The compressor speed is 0 rps.

(d) Cooling high pressure control

(i) Purpose

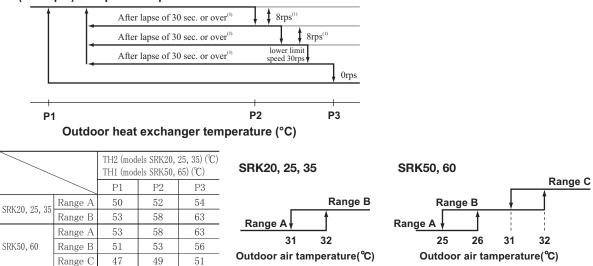
Prevents anomalous high pressure operation during cooling

(ii) Detector

Outdoor heat exchanger sensor (models SRK20, 25, 35 : TH2 ; models SRK50, 60 : TH1).

(iii) Detail of operation

(Example) Compressor speed



Notes (1) When the outdoor heat exchanger temperature is in the range of P2-P3°C, the speed is reduced by 8 rps at each 20 seconds.

(2) When the temperature is P3 °C or higher, the compressor is stopped.
(3) When the outdoor heat exchanger temperature is in the range of P1-P2 °C, if the compressor speed is been maintained and the operation has continued for more than 20 seconds at the same speed, it returns to the normal cooling operation.

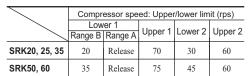
(e) Cooling low outdoor air temperature protective control

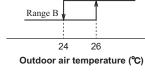
Operating conditions (i)

When the outdoor air temperature (models SRK20, 25, 35 : TH3 ; models SRK50, 60 : TH2) is 22°C or lower continues for 20 seconds while the compressor speed is other than 0 rps.

(ii) Detail of operation

- It controls the upper and lower limit values for the compressor speed according to the following table. 1)
- It checks the outdoor air temperature (models SRK20, 25, 35 : TH3 ; models SRK50, 60 : TH2) once every hour to 2) judge the operation range.





Range A

С

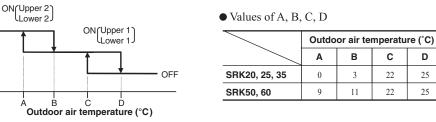
22

22

D

25

25



(iii) **Reset conditions**

When either of the following condition is satisfied

- The outdoor air temperature (models SRK20, 25, 35 : TH3 ; models SRK50, 60 : TH2) is D°C or higher. 1)
- 2) The compressor speed is 0 rps.

(f) Heating high pressure control

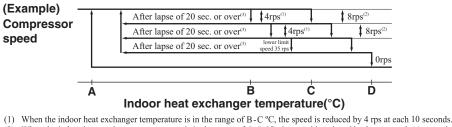
(i) Purpose

Prevents anomalous high pressure operation during heating

(ii) Detector

Indoor heat exchanger sensor (Th2)

Detail of operation (iii)



Notes When the indoor heat exchanger temperature is in the range of C-D °C, the speed is reduced by 8 rps at each 10 seconds. When the temperature is D °C (2)

or higher continues for 1 minute, the compressor is stopped.

- When the indoor heat exchanger temperature is in the range of A-B °C, if the compressor speed is been maintained and the operation has continued for more (3)than 20 seconds at the same speed, it returns to the normal heating operation.
- Indoor fan retains the fan speed when it enters in the high pressure control. Outdoor fan is operated in accordance with the speed. (4)

Temperature list

SRK20, 25, 35				Unit : °C
	Α	В	С	D
RPSmin < 50	44	51	53.5	60
50 ≦ RPSmin < 115	44	51	56	60
115 ≦ RPSmin < 120	44 - 42	51 - 49	56 - 54	60 - 58
120 ≦ RPSmin	42	49	54	58

SRK50, 60

SRK50, 60				Unit : °C
	Α	В	С	D
RPSmin < 50	45	52	54.5	58
50 ≦ RPSmin < 115	45	52	57	60
115 ≦ RPSmin < 120	45 - 43	52 - 50	57 - 55	60 - 58
120 ≦ RPSmin	43	50	55	58

(g) Heating overload protective control

(i) Indoor fan speed

1) Operating conditions

When the outdoor air temperature (models SRK20, 25, 35 : TH3 ; models SRK50, 60 : TH2) is 17°C or higher continues for 30 seconds while the compressor speed other than 0 rps.

2) Detail of operation

The indoor fan speed is stepped up by 1 speed step. (Upper limit 10th speed)

3) Reset conditions

The outdoor air temperature (models SRK20, 25, 35 : TH3 ; models SRK50, 60 : TH2) is lower than 16°C.

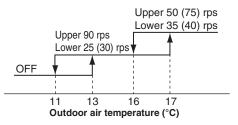
(ii) Outdoor unit side

1) Operating conditions

When the outdoor air temperature (models SRK20, 25, 35 : TH3 ; models SRK50, 60 : TH2) is 13°C or higher continues for 30 seconds while the compressor speed other than 0 rps.

2) Detail of operation

- a) Taking the upper limit of compressor speed at 90 rps or 50 (75) rps, if the output speed obtained with the fuzzy calculation exceeds the upper limit, the upper limit value is maintained.
- b) The lower limit of compressor speed is set to 25 (30) rps or 35 (40) rps and even if the calculated result becomes lower than that after fuzzy calculation, the speed is kept to 25 (30) rps or 35 (40) rps. However, when the thermostat OFF, the speed is reduced to 0 rps.
- c) Inching prevention control is activated and inching prevention control is carried out with the minimum speed set at 40 rps.
- d) The outdoor fan speed is set on 3rd (models SRK50, 60 : 2nd) speed.



Note(1) Values in () are for the models SRK50, 60.

3) Reset conditions

The outdoor air temperature (models SRK20, 25, 35 : TH3 ; models SRK50, 60 : TH2) is lower than 11°C.

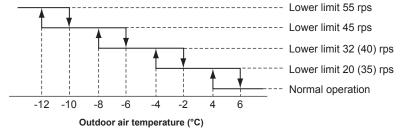
(h) Heating low outdoor temperature protective control

(i) Operating conditions

When the outdoor air temperature (models SRK20, 25, 35 : TH3 ; models SRK50, 60 : TH2) is lower than 4° C or higher continues for 30 seconds while the compressor speed is other than 0 rps

(ii) Detail of operation

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



Note(1) Values in () are for the models SRK50, 60.

(iii) Reset conditions

When either of the following condition is satisfied

- 1) The outdooe air temperature (models SRK20, 25, 35 : TH3 ; models SRK50, 60 : TH2) becomes 6° C.
- 2) The compressor speed is 0 rps.

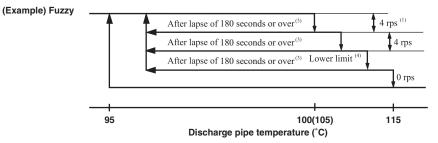
(i) Compressor overheat protection

(i) Purpose

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

(ii) Detail of operation

1) Speeds are controlled with temperature detected by the temperature sensor (models SRK20, 25, 35 : TH4 ; models SRK50, 60 : TH3) mounted on the discharge pipe.



Notes (1) When the discharge pipe temperature is in the range of 100 (105) - 115°C, the speed is reduced by 4 rps.

(2) When the discharge pipe temperature is raised and continues operation for 20 seconds without changing, then the speed is reduced again by 4 rps.
 (3) If the discharge pipe temperature is in the range of 95-100 (105) °C even when the compressor speed is maintained for 180 seconds when the temperature is in the range of 95-100 (105) °C, the speed is raised by 1 rps and kept at that speed for 180 seconds. This process is repeated until the command speed is reached.

(4) Lower limit speed

	Cooling	Heating
Lower limit speed	22 (25) rps	32 rps

- (5) Values in () are for the models SRK50, 60.
- 2) If the temperature of 115°C is detected by the sensor on the discharge pipe, then the compressor will stop immediately. When the discharge pipe temperature drops and 3 minutes has elapsed the unit starts again within 1 hour but there is no start at the third time.

(j) Current safe

(i) Purpose

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

(ii) Detail of operation

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

If the mechanism is actuated when the compressor speed is less than 30 rps, the compressor is stopped immediately.

Operation starts again after 3 minutes.

(k) Current cut

(i) Purpose

Inverter is protected from overcurrent.

(ii) Detail of operation

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

(I) Outdoor unit failure

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

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

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

(m) Indoor fan motor protection

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

(n) Serial signal transmission error protection

(i) Purpose

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

(ii) Detail of operation

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

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

(o) Rotor lock

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

(p) Outdoor fan motor protection

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

(q) Outdoor fan control at low outdoor temperature

(i) Cooling

1) Operating conditions

When the outdoor air temperature (models SRK20, 25, 35 : TH3 ; models SRK50, 60 : TH2) is 22°C or lower continues for 30 seconds while the compressor speed is other than 0 rps.

2) Detail of operation

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

• Value of A

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

- a) Outdoor heat exchanger temperature (models SRK20, 25, 35 : TH2 ; models SRK50, 60 : TH1) ≤ 21°C
 After the outdoor fan speed drops (down) to 1 speed for 60 seconds; if the outdoor heat exchanger temperature is lower than 21°C, gradually reduce the outdoor fan speed by 1 speed. (Lower limit 1st speed)
- b) 21°C < Outdoor heat exchanger temperature (models SRK20, 25, 35 : TH2 ; models SRK50, 60 : TH1) ≤ 38°C After the outdoor fan speed maintains at A speed for 20 seconds; if the outdoor heat exchanger temperature is 21°C - 38°C, maintain outdoor fan speed.
- c) Outdoor heat exchanger tempeature (models SRK20, 25, 35 : TH2; models SRK50, 60 : TH1) > 38°C
 After the outdoor fan speed rises (up) to 1 speed for 60 seconds; if the outdoor heat exchanger temperature is higher than 38°C, gradually increase outdoor fan speed by 1 speed. (Upper limit 3rd speed)

3) Reset conditions

When either of the following conditions is satisfied

- a) The outdoor air temperature (models SRK20, 25, 35 : TH3 ; models SRK50, 60 : TH2) is 25°C or higher.
- b) The compressor speed is 0 rps.

(ii) Heating

1) Operating conditions

When the outdoor air temperature (models SRK20, 25, 35 : TH3 ; models SRK50, 60 : TH2) is -2°C (models SRK50, 60 : 4°C) or lower continues for 30 seconds while the compressor speed is other than 0 rps.

2) Detail of operation

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

3) Reset conditions

When either of the following conditions is satisfied

- a) The outdoor air temperature (models SRK20, 25, 35 : TH3 ; models SRK50, 60 : TH2) is 0°C (models SRK50, 60 : 6°C) or higher.
- b) The compressor speed is 0 rps.

(r) Refrigeration cycle system protection

(i) Starting conditions

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

Operation mode	А	Compressor speed (N)	Room temperature (Th1)	Room temperature (Th1)/ Indoor heat exchanger temperature (Th2)
Cooling	5	40≦N	$10 \leq Th1 \leq 40$	Th1-4 <th2< td=""></th2<>
Heating ⁽¹⁾	8	$40 \le N (TH^{(2)} \ge 0^{\circ}C) 60 \le N (TH^{(2)} < 0^{\circ}C)$	$0 \leq Th1 \leq 40$	Th2 <th1+6< td=""></th1+6<>

Notes (1) Except that the fan speed is HI in heating operation and silent mode control. (2) ***** = 3 (models SRK20, 25, 35), ***** = 2 (models SRK50, 60)

(ii) Contents of control

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

(iii) Reset condition

When the compressor has been turned OFF

10. MAINTENANCE DATA

(1) Cautions

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

(2) Items to check before troubleshooting

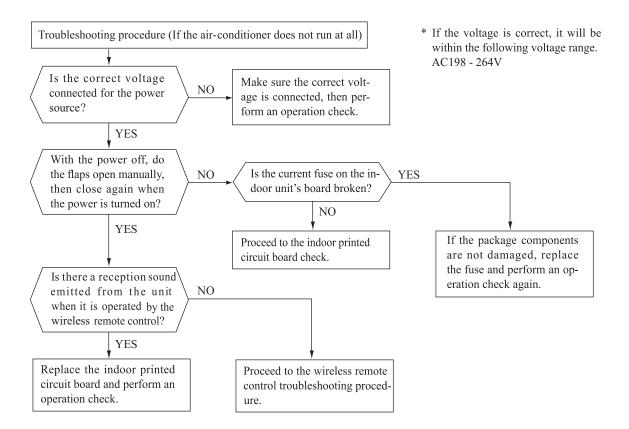
- (a) Have you thoroughly investigated the details of the trouble which the customer is complaining about?
- (b) Is the air-conditioner running? Is it displaying any self-diagnosis information?
- (c) Is a power source with the correct voltage connected?
- (d) Are the control lines connecting the indoor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

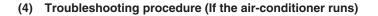
(3) Troubleshooting procedure (If the air-conditioner does not run at all)

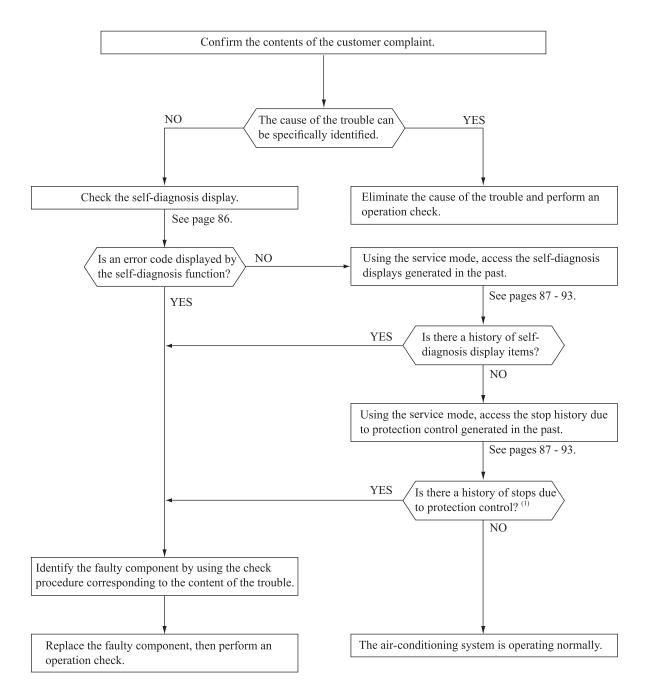
If the air-conditioner does not run at all, diagnose the trouble using the following troubleshooting procedure. If the air-conditioner is running but breaks down, proceed to troubleshooting step (4).

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

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







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

(5) Self-diagnosis table

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

Indoor unit o RUN light	display panel TIMER light	Wired ⁽²⁾ remote control display	Description	Cause	Display (flashing) condition	
1-time flash	ON	_	Heat exchanger sensor 1 error	 Broken heat exchanger sensor 1 wire, poor connector connection Indoor unit PCB is faulty 	When a heat exchanger sensor 1 wire disconnection is detected while operation is stopped. (If a temperature of -28°C or lower is detected for 15 seconds, it is judged that the wire is disconnected.) (Not displayed during operation.)	
2-time flash	ON	_	Room temperature sensor error	 Broken room temperature sensor wire, poor connector connection Indoor unit PCB is faulty 	When a room temperature sensor wire disconnection is detected while operation is stopped. (If a temperature of -45°C or lower is detected for 15 seconds, it is judged that the wire is disconnected.) (Not displayed during operation.)	
3-time flash	ON	_	Heat exchanger sensor 2 error	 Broken heat exchanger sensor 2 wire, poor connector connection Indoor unit PCB is faulty 	When a heat exchanger sensor 2 wire disconnection is detected while operation is stopped. (If a temperature of -28°C or lower is detected for 15 seconds, it is judged that the wire is disconnected.) (Not displayed during operation.)	
6-time flash	ON	E 16	Indoor fan motor error	Defective fan motor, poor connector connection	When conditions for turning the indoor unit's fan motor on exist during air- conditioner operation, an indoor unit fan motor speed of 300 min ⁻¹ or lower is measured for 30 seconds or longer. (The air-conditioner stops.)	
Keeps flashing	1-time flash	E 38	Outdoor air temperature sensor error	 Broken outdoor air temp. sensor wire, poor connector connection Outdoor unit PCB is faulty 	-55°C or lower is detected for 5 seconds continuously 3 times within 40 minutes after initial detection of this anomalous temperature. Or -55°C or lower is detected for within 20 seconds after power ON. (The compressor is stopped.)	
Keeps flashing	2-time flash	E 37	Outdoor heat exchanger sensor error	 Broken heat exchanger sensor wire, poor connector connection Outdoor unit PCB is faulty 	-55°C or lower is detected for 5 seconds continuously 3 times within 40 minutes after initial detection of this anomalous temperature. Or -55°C or lower is detected for within 20 seconds after power ON. (The compressor is stopped.)	
Keeps flashing	4-time flash	E 39	Discharge pipe sensor error	 Broken discharge pipe sensor wire, poor connector connection Outdoor unit PCB is faulty 	-25°C or lower is detected for 5 seconds continuously 3 times within 40 minutes after initial detection of this anomalous temperature. (The compressor is stopped.)	
ON	1-time flash	E 42	Current cut	 Compressor locking, open phase on compressor output, short circuit on power transistor, service valve is closed 	The compressor output current exceeds the set value during compressor start. (The air-conditioner stops.)	
ON	2-time flash	E 59	Trouble of outdoor unit	 Broken compressor wire Compressor blockage 	When there is an emergency stop caused by trouble in the outdoor unit, or the input current value is found to be lower than the set value. (The air-conditioner stops.)	
ON	3-time flash	E 58	Current safe stop	 Overload operation Overcharge Compressor locking 	When the compressor speed is lower than the set value and the current safe has operated. (The compressor stops)	
ON	4-time flash			Broken power transistor	When the power transistor is judged breakdown while compressor starts. (The compressor is stopped.)	
ON	5-time flash	E 36 compressor dischar		• Gas shortage, defective discharge pipe sensor, service valve is closed	When the value of the discharge pipe sensor exceeds the set value. (The air-conditioner stops.)	
ON	6-time E 5 Error of signal transmission			• Defective power source, Broken signal wire, defective indoor/outdoor unit PCB	When there is no signal between the indoor unit PCB and outdoor unit PCB for10 seconds or longer (when the power is turned on), or when there is no signal for 7 minute 35 seconds or longer (during operation) (The compressor is stopped).	
ON	7-time flash	E 48	Outdoor fan motor error	Defective fan motor, poor connector connection	When the outdoor unit's fan motor speed continues for 30 seconds or longer at 75 min ⁻¹ or lower. (3 times) (The air-conditioner stops.)	
ON	Keeps flashing	E 35	Cooling high pressure protecton	 Overload operation, overcharge Broken outdoor heat exchange sensor wire Service valve is closed 	When the value of the outdoor heat exchanger sensor exceeds the set value.	
2-time flash	2-time flash	E 60	Rotor lock	 Defective compressor Open phase on compressor Defective outdoor unit PCB 	If the compressor motor's magnetic pole positions cannot be correctly detected when the compressor starts. (The air-conditioner stops.)	
4-time flash	ON	_	Trouble of wireless LAN interface	• Defective wireless LAN interface boards, poor connector connection	When normal data cannot be received from wireless LAN interface for two minutes continuously	
5-time flash	ON	ON E 47 Active filter voltage error • Defective active filter		• Defective active filter	When the wrong voltage connected for the power source. When the outdoor unit PCB is faulty.	
7-time flash	ON	ON E 57 Refrigeration cycle system protective control • Service valve is closed. • Refrigerant is insufficien		Service valve is closed.Refrigerant is insufficient	When refrigeration cycle system protective control operates.	
_	_	E 1 Error of wired remote control wiring • Broken wired remote control wire, defective indoor unit PCB			The wired remote control wire Y is open. The wired remote control wires X and Y are reversely connected. Noise is penetrating the wired remote control lines. The wired remote control or indoor unit PCB is faulty. (The communications circuit is faulty.)	
Stays OFF	Keeps flashing	_	Limit switch error	 Defective limit switch Defective suction panel set Defective indoor unit control PCB 	Actuation of limit switch	

Notes (1)The air-conditioner cannot be restarted using the remote control for 3 minutes after operation stops. (2)The wired remote control is option parts.

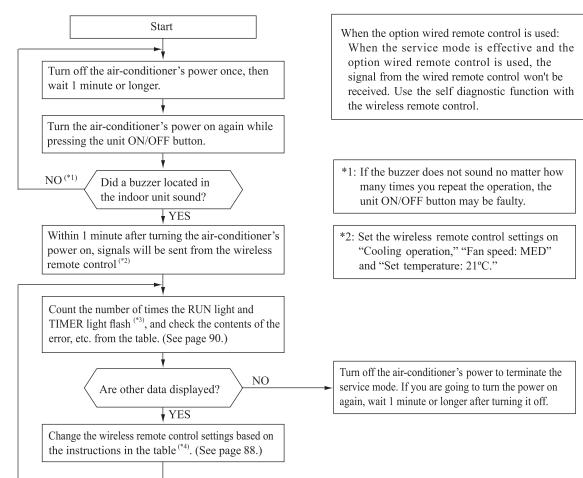
(6) Service mode (Trouble mode access function)

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

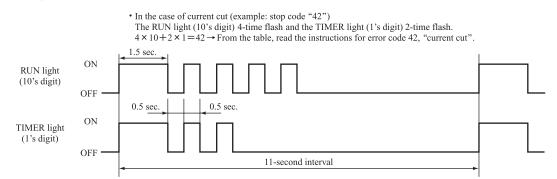
(a) Explanation of terms

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

(b) Service mode display procedure



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



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

(i) Self-diagnosis data

What are self-diagnosis data?

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

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

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

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

Only for indoor heat exchanger sensor 2

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

(Example)

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

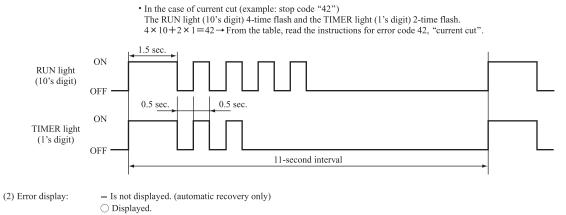
(ii) Stop data

Wireless remote control setting		ol setting		
Operation mode	Fan speed mode	Temperature setting	Displayed data	
		21°C	Displays the reason for the stop (stop code) the previous time when the air-conditioner was stopped by protective stop control.	
		22°C	Displays the reason for the stop (stop code) 2 times previous when the air-conditioner was stopped by protective stop control.	
	LO	23°C	Displays the reason for the stop (stop code) 3 times previous when the air-conditioner was stopped by protective stop control.	
		24°C	Displays the reason for the stop (stop code) 4 times previous when the air-conditioner was stopped by protective stop control.	
Cooling		25°C	Displays the reason for the stop (stop code) 5 times previous when the air-conditioner was stopped by protective stop control.	
Cooling		26°C	Displays the reason for the stop (stop code) 6 times previous when the air-conditioner was stopped by protective stop control.	
		27°C	Displays the reason for the stop (stop code) 7 times previous when the air-conditioner was stopped by protective stop control.	
			28°C	Displays the reason for the stop (stop code) 8 times previous when the air-conditioner was stopped by protective stop control.
		29°C	Displays the reason for the stop (stop code) 9 times previous when the air-conditioner was stopped by protective stop control.	
			Displays the reason for the stop (stop code) 10 times previous when the air-conditioner was stopped by protective stop control.	

Number of flashes when in service mode		Stop code				F	
RUN light	TIMER light (1's digit)	or Error code	Error content	Cause	Occurrence conditions	Error display	Aut
	OFF	0	Normal	_	_	_	-
OFF	1-time flash	01	Error of wired remote control wiring (When wired remote control was connected) (When wireless LAN interface was connected, refer to page 86.)	Broken wired remote control wire. defective indoor unit PCB	The wired remote control wire Y is open. The wired remote control wires X and Y are reversely connected. Noise is penetrating the wired remote control lines. The wired remote control or indoor unit PCB is faulty.	_	C
	5-time flash	05	Can not receive signals for 35 seconds (if communications have recovered)	Power source is faulty. Power source cables and signal lines are improperly wired. Indoor or outdoor unit PCB are faulty	When 35 seconds passes without communications signals from either the outdoor unit or the indoor unit being detected correctly.	0	-
	5-time flash	35	Cooling high pressure control	Cooling overload operation. Outdoor unit fan speed drops. Outdoor heat exchanger sensor is short circuit.	When the outdoor heat exchanger sensor's value exceeds the set value.	(5 times)	0
	6-time flash	36	Compressor overheat 110°C	Refrigerant is insufficient. Discharge pipe sensor is faulty. Service valve is closed.	When the discharge pipe sensor's value exceeds the set value.	(2 times)	0
3-time flash	7-time flash	37	Outdoor heat exchanger sensor is abnormal	Outdoor heat exchanger sensor wire is disconnected. Connector connections are poor. Outdoor unit PCB is faulty	-55°C or lower is detected for 5 seconds continuously 3 times within 40 minutes after initial detection of this anomalous temperature. 0r-55°C lower is detected for 5 seconds continuously within 20 seconds after power ON.	(3 times)	C
	8-time flash	38	Outdoor air temperature sensor is abnormal	Outdoor air temperature sensor wire is disconnected. Connector connections are poor. Outdoor unit PCB is faulty	-55°C or lower is detected for 5 seconds continuously 3 times within 40 minutes after initial detection of this anomalous temperature. 0r-55°C lower is detected for 5 seconds continuously within 20 seconds after power ON.	(3 times)	C
	9-time flash	39	Discharge pipe sensor is abnormal (anomalous stop)	Discharge pipe sensor wire is disconnected. Connector connections are poor. Outdoor unit PCB is faulty	-25°C or lower is detected for 5 seconds continuously 3 times within 40 minutes after intial detection of this anomalous temperature.	(3 times)	C
	OFF	40	Service valve (gas side) closed operation	Service valve (gas side) closed Outdoor unit PCB is faulty.	If the inverter output current value exceeds the setting value within 80 seconds after the compressor ON in the heating mode, the compressor stops.	(2 times)	
4-time flash	2-time flash	42	Current cut	Compressor lock. Compressor wiring short circuit. Compressor output is open phase. Outdoor unit PCB is faulty Service valve is closed. Electronic expansion valve is faulty. Compressor is faulty.	Compressor start fails 42 times in succession and the reason for the final failure is current cut.	(2 times)	C
	7-time flash	47	Active filter voltage error	Defective active filter	When the wrong voltage connected for the power source. When the outdoor unit PCB is faulty.	0	-
	8-time flash	48	Outdoor unit's fan motor is abnormal	Outdoor fan motor is faulty. Connector connections are poor. Outdoor unit PCB is faulty	When a fan speed of 75 min ⁻¹ or lower continues for 30 seconds or longer.	(3 times)	
	1-time flash	51	Short circuit in the power transistor (high side) Current cut circuit breakdown	Outdoor unit PCB is faulty Power transistor is damaged.	When it is judged that the power transistor was damaged at the time the compressor started.	0	-
	7-time flash	57	Refrigeration cycle system protective control	Service valve is closed. Refrigerant is insufficient.	When refrigeration cycle system protective control operates.	(3 times)	
5-time flash	8-time flash	58	Current safe	Refrigerant is overcharge. Compressor lock. Overload operation.	When there is a current safe stop during operation.	_	
	9-time flash	59	Compressor wiring is unconnection Voltage drop Low speed protective control	Compressor wiring is disconnected. Power transistor is damaged. Power source construction is defective. Outdoor unit PCB is faulty Compressor is faulty.	When the current is 1A or less at the time the compressor started. When the power source voltage drops during operation. When the compressor command speed is 1 ower than 32 rps for 60 minutes.	0	(
	OFF	60	Rotor lock	Compressor is faulty. Compressor output is open phase. Electronic expansion valve is faulty. Overload operation. Outdoor unit PCB is faulty	After the compressor starts, when the compressor stops due to rotor lock.	(2 times)	(
6-time flash	1-time flash	61	Connection lines between the indoor and outdoor units are faulty	Connection lines are faulty. Indoor or outdoor unit PCB are faulty	When 10 seconds passes after the power is turned on without communications signals from the indoor or outdoor unit being detected correctly.	0	-
	2-time flash	62	Serial transmission error	Indoor or outdoor unit PCB are faulty Noise is causing faulty operation.	When 7 minute 35 seconds passes without communications signals from either the outdoor unit or the indoor unit being detected correctly.	0	-
	OFF	80	Indoor unit's fan motor is abnormal	Indoor fan motor is faulty. Connector connections are poor. Indoor unit PCB is faulty	When the indoor unit's fan motor is detected to be running at 300 min ⁻¹ or lower speed with the fan motor in the ON condition while the air-conditioner is running.	0	_
	2-time flash	82	Indoor heat exchanger sensor is abnormal (anomalous stop)	Indoor heat exchanger sensor wire is disconnected. Connector connections are poor.	When a temperature of -28°C or lower is sensed continuously for 40 minutes during heating operation. (The compressor stops).	0	_
8-time flash	4-time flash	84	Anti-condensation control	High humidity condition. Humidity sensor is faulty.	Anti-condensation prevention control is operating.	_	
	5-time flash	85	Anti-frost control	Indoor unit fan speed drops. Indoor heat exchanger sensor is broken wire.	When the anti-frost control operates and the compressor stops during cooling operation.	_	0
	6-time flash	86	Heating high pressure control	Heating overload operation. Indoor unit fan speed drops. Indoor heat exchanger sensor is short circuit.	When high pressure control operates during heating operation and the compressor stops.	_	

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

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



	If there is a () displayed, the error display shows the number of times that an auto recovery occurred for the same reason has
	reached the number of times in ().
	If no () is displayed, the error display shows that the trouble has occurred once.
(3) Auto recovery:	- Does not occur
	O Auto recovery occurs.

(d) Operation mode, fan speed mode information tables

(i) Operation mode

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

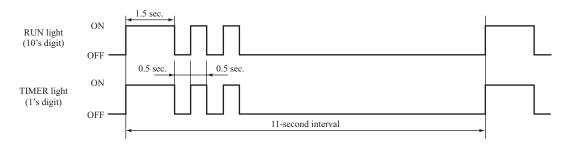
(ii)	Fan speed n	node
------	-------------	------

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

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

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

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



(e) Temperatare information

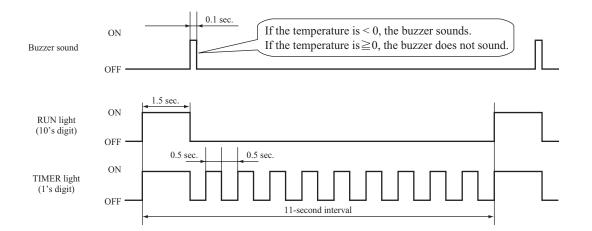
(i) Room temperature sensor, indoor heat exchanger sensor, outdoor air temperature sensor, outdoor heat exchanger sensor temperature

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

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

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

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



(ii) Discharge pipe sensor temperature

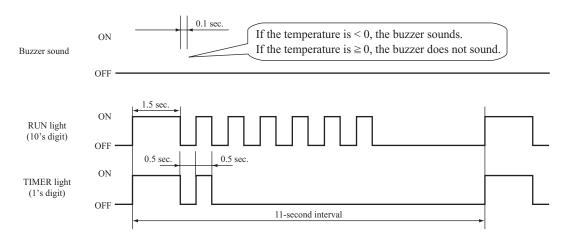
										Uı	nit: °C
RUN lig (10's di Buzzer sound	TIMER light (1's digit) git)	0	1	2	3	4	5	6	7	8	9
	3	-60	-62	-64							
Yes	2	-40	-42	-44	-46	-48	-50	-52	-54	-56	-58
(sounds for 0.1 second)	1	-20	-22	-24	-26	-28	-30	-32	-34	-36	-38
	0		-2	-4	-6	-8	-10	-12	-14	-16	-18
	0	0	2	4	6	8	10	12	14	16	18
	1	20	22	24	26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

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

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

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

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

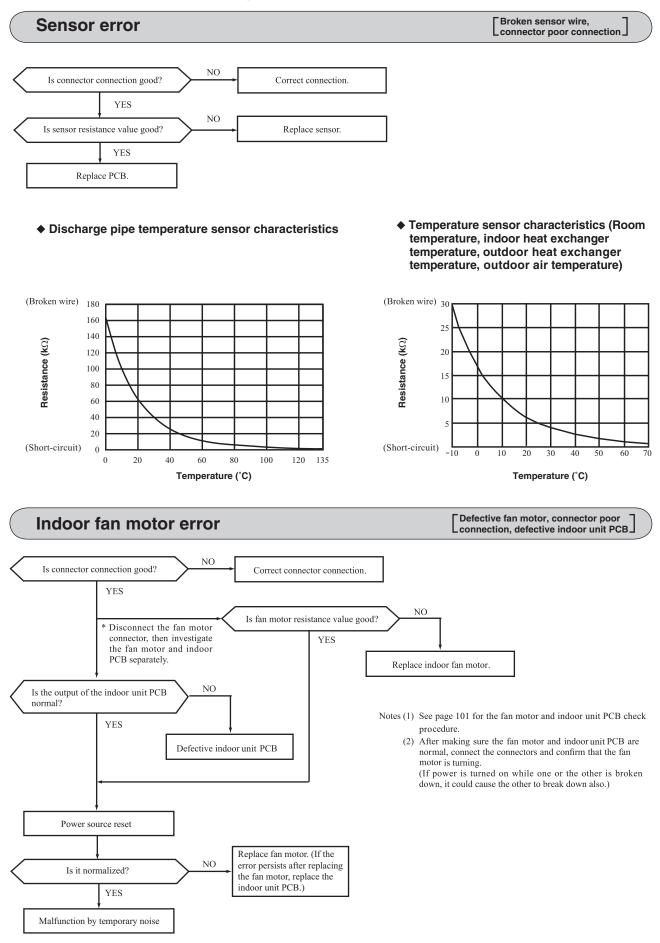


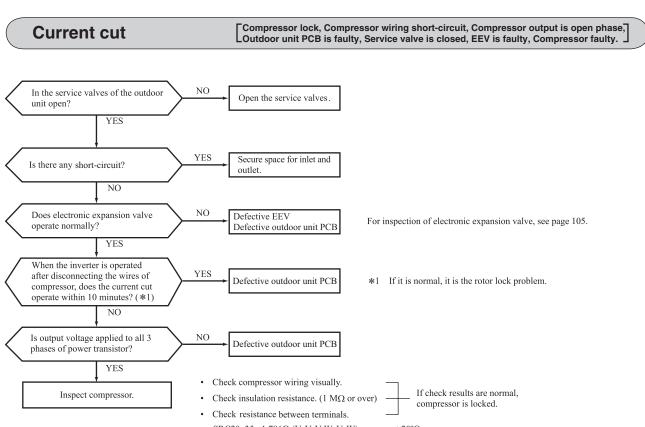
Service data record form

Customer				Model				
Date of inv	estigation							
Machine na	me							
Content of	complaint				-			
Wireless r	emote contro	l settings				Display resul	ts	Display conter
Temperature setting	Operation mode	Fan speed mode	Content of displayed d	Buzzer (Yes/No.)	RUN light (Times)	TIMER light (Times)	Display conten	
		MED	Error code on previous occasion					
	Cooling	HI	Room temperature sensor on previous occasi	on				
		AUTO	Indoor heat exchanger sensor 1 on previous of	ccasion				
21		LO	Wireless remote control information on previous	ous occasion				
	** .*	MED	Outdoor air temperature sensor on previous o	ccasion				
	Heating	HI	Outdoor heat exchanger sensor on previous o	ccasion				
		AUTO	Discharge pipe sensor on previous occasion					
26	Cooling	AUTO	Indoor heat exchanger sensor 2 on previous of	ccasion				
		MED	Error code on second previous occasion					
	Cooling	HI	Room temperature sensor on second previous	occasion				
		AUTO	Indoor heat exchanger sensor 1 on second prev	ious occasion				
22		LO	Wireless remote control information on seco	nd previous occasion				
		MED	Outdoor air temperature sensor on second pre-	vious occasion				
	Heating	HI	Outdoor heat exchanger sensor on second pre	vious occasion				
		AUTO	Discharge pipe sensor on second previous oc	casion				
27	Cooling	AUTO	Indoor heat exchanger sensor 2 on second oc					
		MED	Error code on third previous occasion					
	Cooling	HI	Room temperature sensor on third previous of	ccasion				
		AUTO	Indoor heat exchanger sensor 1 on third previ					
23		LO	Wireless remote control information on third					
		MED	Outdoor air temperature sensor on third previ					
H	Heating	HI	Outdoor heat exchanger sensor on third previ					
		AUTO	Discharge pipe sensor on third previous occas					
28	Cooling	AUTO	Indoor heat exchanger sensor 2 on third occas					
		MED	Error code on fourth previous occasion					
	Cooling	HI	Room temperature sensor on fourth previous	occasion				
		AUTO	Indoor heat exchanger sensor 1 on fourth pre-					
24		LO	Wireless remote control information on four					
		MED	Outdoor air temperature sensor on fourth pre-					
	Heating	HI	Outdoor heat exchanger sensor on fourth prev					
		AUTO	Discharge pipe sensor on fourth previous occ					
29	Cooling	AUTO	Indoor heat exchanger sensor 2 on fouth occa					
		MED	Error code on fifth previous occasion					
	Cooling	HI	Room temperature sensor on fifth previous of	casion				
	c	AUTO	Indoor heat exchanger sensor 1 on fifth previo					
25		LO	Wireless remote control information on fifth					
		MED	Outdoor air temperature sensor on fifth previo	·				
	Heating	HI	Outdoor heat exchanger sensor on fifth previo					
		AUTO	Discharge pipe sensor on fifth previous occas					
30	Cooling	AUTO	Indoor heat exchanger sensor 2 on fifth occas					
21			Stop code on previous occasion					
21			Stop code on second previous occasion					
22			Stop code on third previous occasion					
23			Stop code on fourth previous occasion					
24			Stop code on fifth previous occasion					
23	Cooling	LO Stop code on sixth previous occasion Stop code on seventh previous occasion Stop code on seventh previous occasion						
20								
27			Stop code on eighth previous occasion					
28			Stop code on eighth previous occasion					
30								
Judgment			Stop code on tenth previous occasion					Examiner
Remarks								Examinel

Note (1) In the case of indoor heat exchanger sensor 2, match from 26 to 30 the temperature setting of wireless remote control. (Refor to page 88.)

(7) Inspection procedures corresponding to detail of trouble

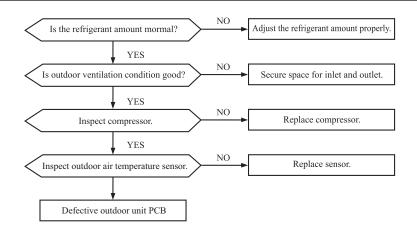


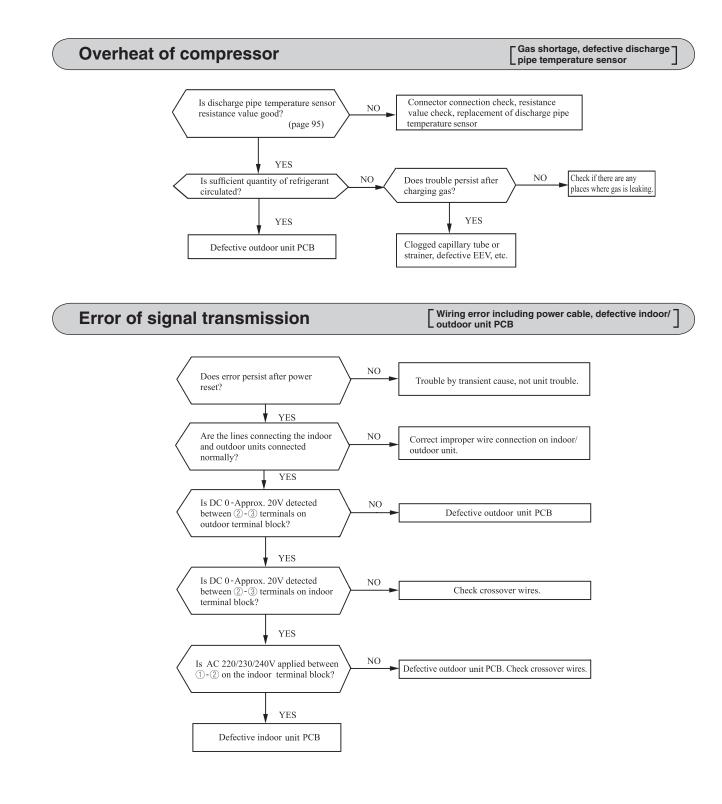


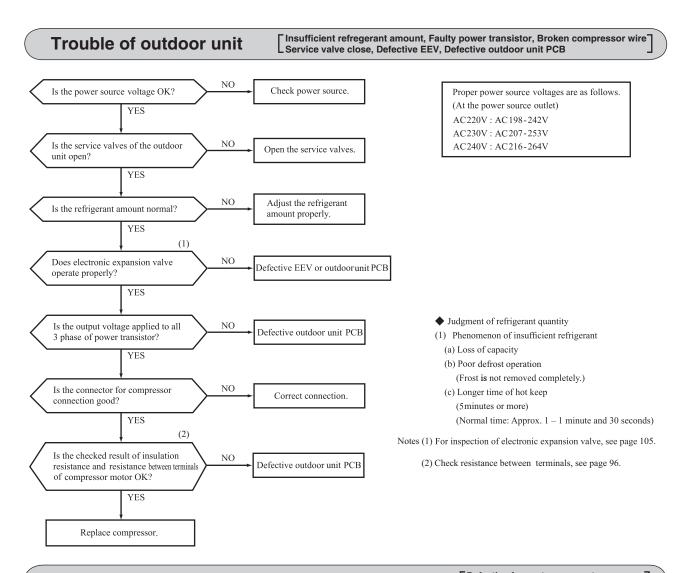
 $SRC20-35: 1.786\Omega (U-V, V-W, U-W) \text{ or more at } 20^\circ C$ $SRC50, 60: 1.452\Omega (U-V, V-W, U-W) \text{ or more at } 20^\circ C$

Current safe stop

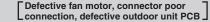
Overload operation, compressor lock, overcharge

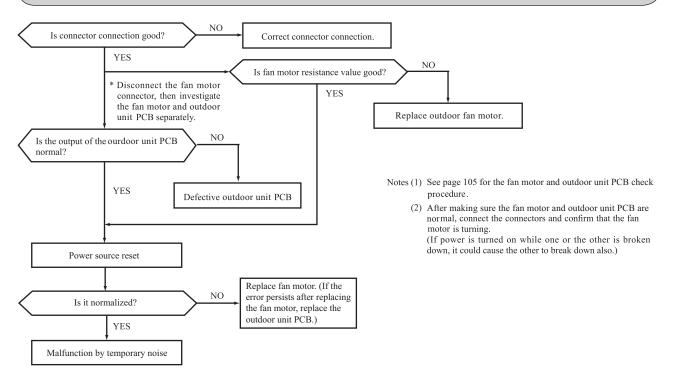




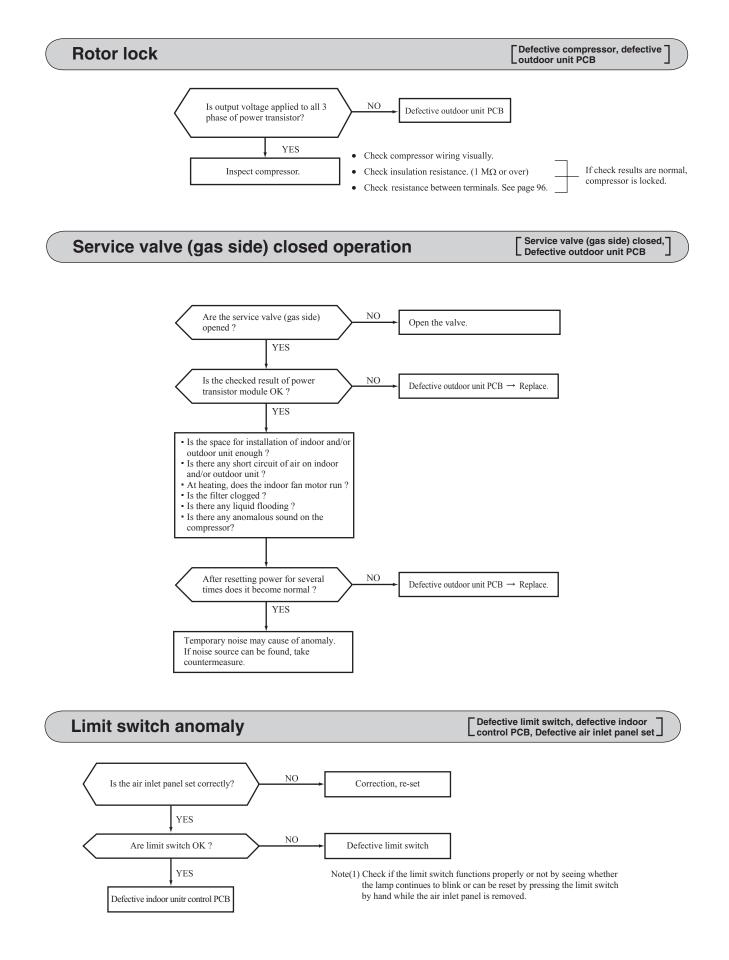


Outdoor fan motor error





'22 • SRK-T-358



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

(a) Indoor unit

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

Humidity sensor operation

	Failure mode	Control input circuit reading	Air-conditioning system operation		
cted	① Disconnected wire				
Disconnected wire	② Disconnected wire	Humidity reading is 0%	Anti-condensation control is not done.		
Disc	12 Disconnected wire				
Short- circuit	① and ② are short- circuited	Humidity reading is 100%	Anti-condensation control keep doing.		

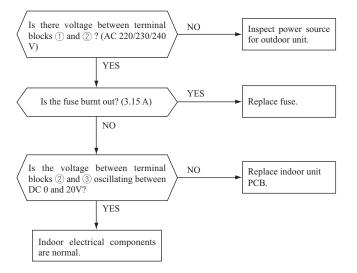
Remark: Do not perform a continuity check of the humidity sensor with a tester. If DC current is applied, it could damage the sensor.

(b) Outdoor unit

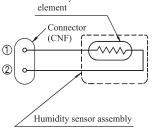
Sensor	Operation	Pheno	omenon
Sensor	mode	Short-circuit	Disconnected wire
Heat exchanger	Cooling	Compressor stop.	Compressor stop.
temperature sensor	Heating	Defrost operation is not performed.	Defrost operation is performed for 10 minutes at approx. 35 minutes.
Ourdoor air	Cooling	The compressor cannot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

(9) Checking the indoor electrical equipment

(a) Indoor unit PCB check procedure



Humidity sensor



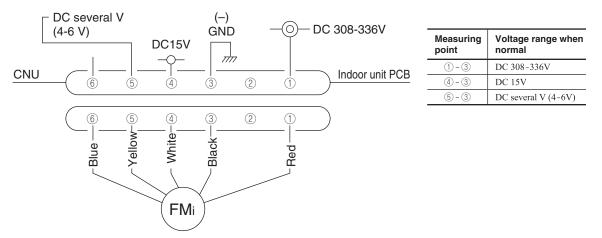
(b) Indoor fan motor check procedure

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

1) Indoor unit PCB output check

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

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

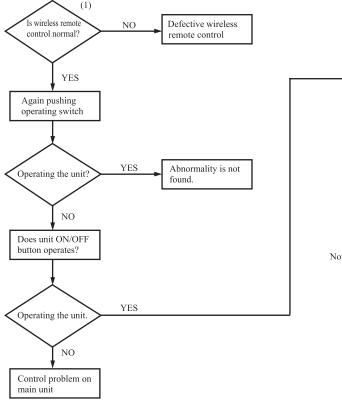


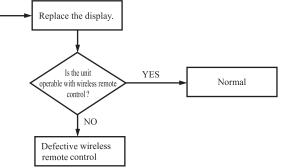
2) Fan motor resistance check

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

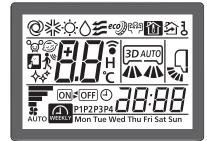
Notes (1) Remove the fan motor and measure it without power connected to it.(2) If the measured value is below the value when the motor is normal, it means that the fan motor is faulty.

(10) How to make sure of wireless remote control



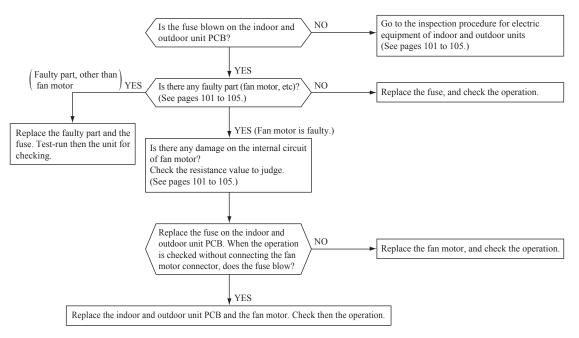


Note (1) Check method of wireless remote control (a) Press the reset switch of the wireless remote control. (b) If all LCD are displayed after one (1) display, it is basically normal.



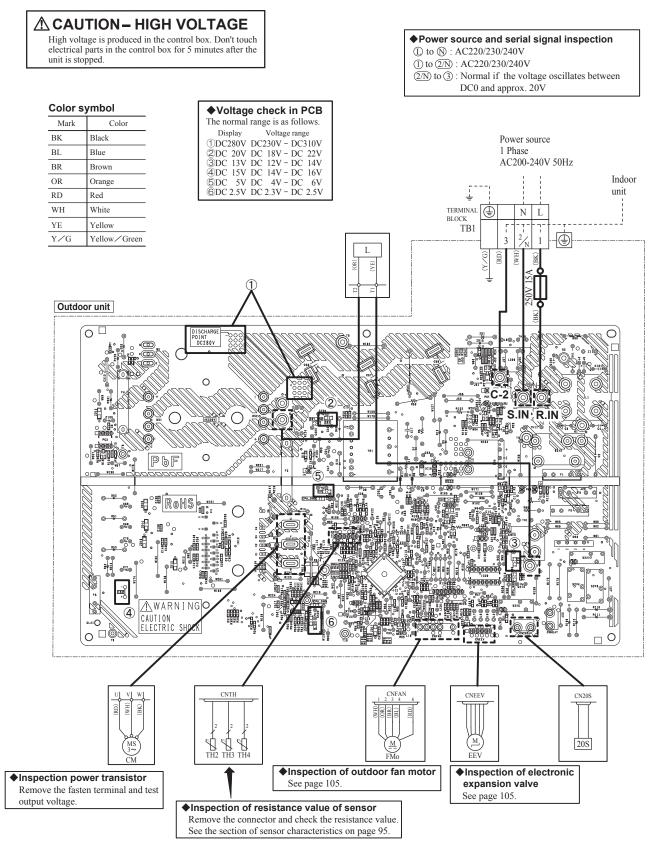
Simplified check method of wireless remote control It is normal if the signal transmission section of the wireless remote control emits a whitish light at each transmission on the monitor of digital camera.

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



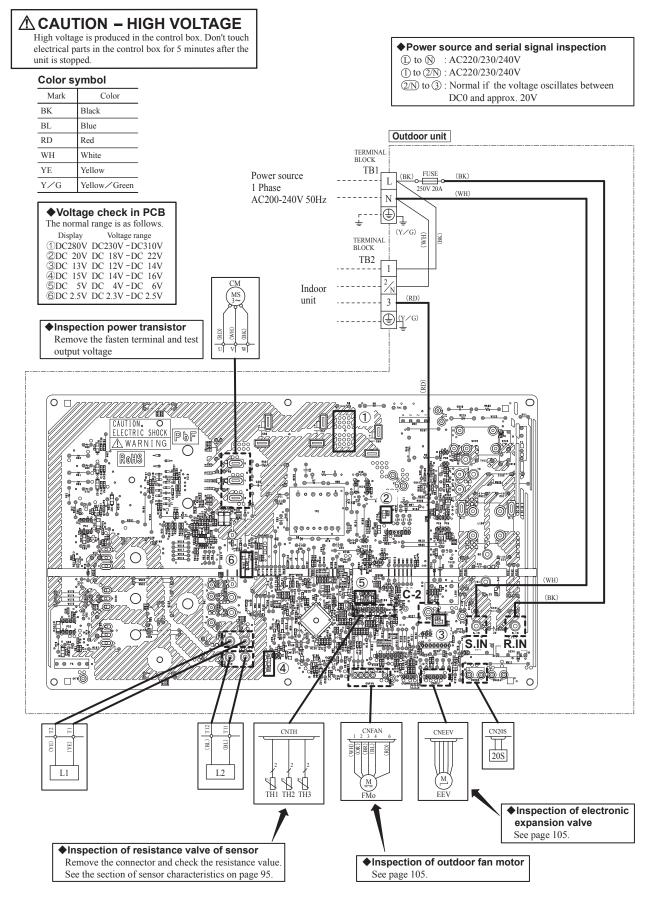
(12) Outdoor unit inspection points Models SRC20ZSX-W, 25ZSX-W, 35ZSX-W

Check point of outdoor unit



Models SRC50ZSX-W, -W1, -W2 SRC60ZSX-W, -W1

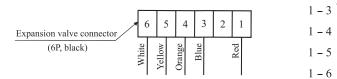
Check point of outdoor unit



(a) Inspection of electronic expansion valve

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

- (i) If it is heard the sound of operating electronic expansion valve, it is almost normal.
- (ii) If the operating sound is not heard, check the output voltage.



Approx. DC 5 V is detected for 10 seconds after the power on.

- (iii) If voltage is detected, the outdoor unit PCB is normal.
- (iv) If the expansion valve does not operate (no operating sound) while voltage is detected, the expansion valve is defective.

· Inspection of electronic expansion valve as a separate unit

Measure the resistance between terminals with an analog tester.

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

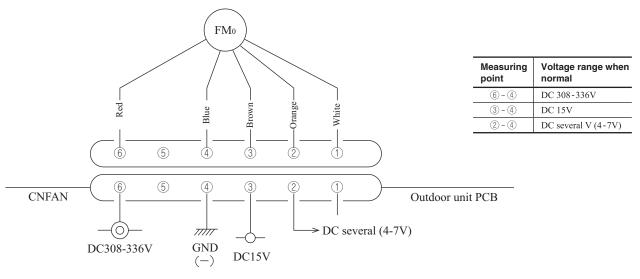
(b) Outdoor fan motor check procedure

- When the outdoor fan motor error is detected, diagnose which of the outdoor unit fan motor or outdoor unit PCB is defective.
- Diagnose this only after confirming that the indoor unit is normal.
- (i) Outdoor unit PCB output check
 - 1) Turn off the power.
 - 2) Disconnect the outdoor fan motor connector CNFAN.

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

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

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



(ii) Fan motor resistance check

	Measuring point	Resistance when normal
() - ④ (Red - Black)	20 M Ω or higher
3	- (4) (White - Black)	20 k Ω or higher

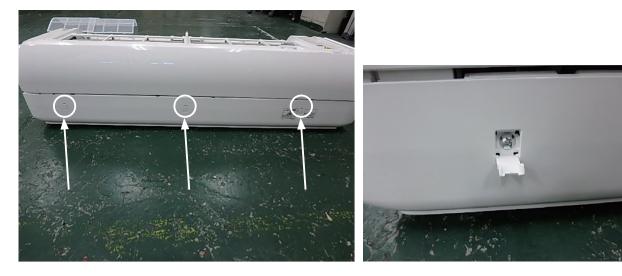
Notes (1) Remove the fan motor and measure it without power connected to it.(2) If the measured value is below the value when the motor is normal, it means that the fan motor is faulty.

11. INDOOR UNIT DISASSEMBLY METHOD

(1) Remove the cover.



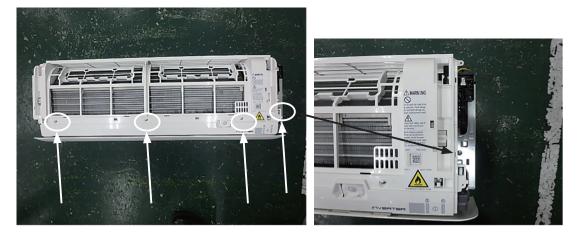
(2) Remove the screw (The following 3 places).



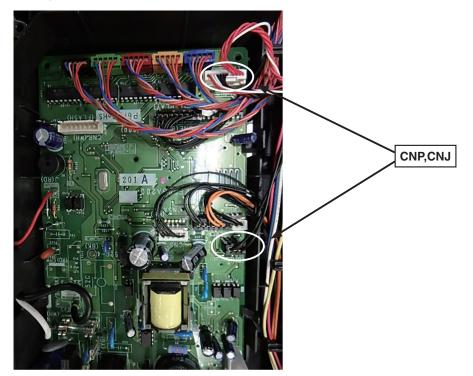
(3) Remove the end cover.



(4) Remove the screw (The following 4 places).



(5) Unplug the connector.



(6) Remove the cover.



(7) Unplug the connector.



(8) Unscrew.



(9) Pull out control.



SRK20-60ZSX-WF Operation table

Function	Setting	Operation by remote control	Operation by Smart M-Air	Operation by wired remote control (SC-BIKN2) *1
ON/OFF	ON	0	0	0
	OFF	0	0	0
OPERATION	AUTO	0	0	0
MODE select	COOL	0	0	0
	HEAT	0	0	0
	DRY	0	0	0
	FAN	0	0	0
	SELF CLEAN	0	×	× (Displayed as OFF)
	ALLERGEN CLEAR	0	× (Displayed as FAN)	× (Displayed as FAN)
	NIGHT SETBACK	0	× (Displayed as HEAT)	× (Displayed as HEAT)
	Home leave mode			
	Vacant property mode		0	
Temperature			U	
adjustment	18°C - 30°C	0	0	0
FAN SPEED	AUTO	0	0	0
	HIGH POWER	0	× (Displayed as	\times (Displayed as Hi)
	Hi	0	○ (Displayed as ■■■■)	\bigcirc (Displayed as PHi)
	Ме	0	\bigcirc (Displayed as \blacksquare \blacksquare)	\bigcirc (Displayed as Hi)
	Lo	\bigcirc	\bigcirc (Displayed as \blacksquare \blacksquare)	\bigcirc (Displayed as Me)
	ULo	0	\bigcirc (Displayed as \blacksquare)	\bigcirc (Displayed as Lo)
	ECONO	0	× (Displayed as 🔳)	× (Displayed as Lo)
Air flow	Up/down (1 step)	0	0	0
direction	Up/down (2 step)	0	0	0
adjustment	Up/down (3 step)	0	× (Displayed as 2 step)	× (Displayed as 2 step)
	Up/down (4 step)	0	O (Displayed as 3 step)	○ (Displayed as 3 step)
	Up/down (5 step)	0	○ (Displayed as 4 step)	\bigcirc (Displayed as 4 step)
	Up/down (swing)	0	0	0
	Up/down (flap stopped)	0	× (Displayed as 2 step)	× (Displayed as 2 step)
	Left/right (leftmost)	0	0	0
	Left/right (left)	0	0	0
	Left/right (middle)	0	0	0
	Left/right (right)	0	0	0
	Left/right (rightmost)	0	0	0
	Left/right (wide)	0	0	0
	Left/right (spot)	0	0	0
	Left/right (swing)	0	0	0
	Left/right (louver stopped)	0	× (Displayed as middle)	× (Displayed as middle)
	3D AUTO	0	0	0
TIMER	Various TIMERs	0	-	0
function	WEEKLY TIMER	0	0	0
MENU	Display brightness adjustment	0	-	_
function	Fan control in heating thermo-OFF	0	_	0
	SELF CLEAN setting	0	_	_
	Silent setting	_	-	_
	Wireless LAN connection setting	0	-	_
	Wireless LAN communication	0	-	_
Ohter	Installation location setting	0	-	_
function	Silent	0	_	0
	Initialization of wireless LAN	0	_	_
			1	
	Electricity bill display	_	0	0

Operation/Setting Available
 Operation/Setting/Display N/A
 No function

*1 Option part

12. WIRELESS LAN INTERFACE SETTING MANUAL

- This document describes how to connect to network via Wireless LAN.
- Read this manual carefully, and store it in a safe place after reading.
- Be sure to also read the "Safety precautions" in the user's manual included with the product.
- The contents of the application "Smart M-Air" may change due to version upgrade.

Note on Wireless Communication (Radio Wave)

Wireless LAN and Radio Act

- This product has construction design certification. Therefore, application for the licence is not necessary.
- This product is certified to meet the technical standard as a wireless facility of a specified low-power radio station based on the Radio Act. Therefore, a radio station licence is not necessary when using this product.
- Wireless LAN may be subject to wiretapping or malicious access because it transmits and receives data using radio waves. Before using wireless LAN, thoroughly understand the risk. In addition, manage the SSID and KEY of this product and wireless LAN router and also the log-in ID and password for operation away from home so as to prevent them from being known by other people. In the event that the product is operated away from home by malicious access, turn OFF the function of the wireless LAN communication. (See the section "Wireless LAN communication setting" in the USER'S MANUAL.)
- This product cannot be connected directly to communication lines provided by telecommunication carriers. When connecting this product to the internet, be sure to connect it to the internet via a router.
- If a barrier that restricts radio waves (such as metal or reinforced concrete) is located between this product and a wireless LAN router the product may not operate due to interference, or a reduction in communication distance.
- Use of this product near a device emitting electric waves such as a microwave oven or cordless phone may affect communication via wireless LAN. If the product fails to communicate properly, or if a cordless phone fails to send/receive a call properly, be sure to use the product and the phone at least 1 metre away from each other.
- If you have any other problems, consult the sales outlet for the product.

Preparation before connection

Prepare the following items.

- Smartphone (tablet PC)
 Supported OS
 Android[™] 8 to 10
 iOS 12 to 14
- Internet line and communication equipment (modem, router, ONU etc.)
- Router (wireless LAN access point)
 A product that supports a 2.4 GHz band
- SSID, KEY, and MAC address
 The SSID and KEY confirmation method is described in section 6
- S described in section 6
 Your home Wi-Fi network password



Wireless LAN router System configuration (for remote control)

Connect the smartphone (tablet PC) to the router via Wi-Fi.

Open "Wi-Fi" on the settings screen of the smartphone, and select SSID of the router to be used. Then, establish the connection by entering the password of the router.

(1) Install the application.

How to install "Smart M-Air"

How to install the "Smart M-Air" smartphone application		
For Android	For iOS (iPhone)	
1. Open [Google Play].	1. Open [App Store].	
2. Search for [Smart M-Air].	2. Search for [Smart M-Air].	
3. Install the application according to	3. Install the application according	
the instructions on the screen.	to the instructions on the screen.	

- The application is free. Communication data charges by others are applied to download and operate.
- The application name "Smart M-Air" and download service names "Google Play" and "App Store" may be changed in the future.
- For the settings, contents, and latest supported OS of the application, refer to our home page or the User's Manual on our home page.

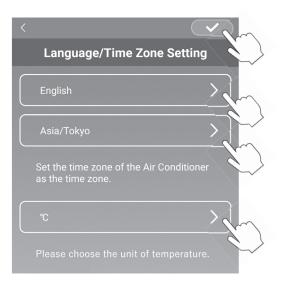
(2) Confirm connection method of router

WPS (Simple setting function): Add a new device to the network using WPS button on router.

AP: Add a new device to the network by connecting to the router using SSID and Key (Password).

(3) Creating user account

- Smartphone setting Turn on Wi-Fi of your smartphone and connect smartphone and router.
- Application initial setting Initial application settings and the application starts.
- After startup, the "Language / Time Zone Setting" screen appears.

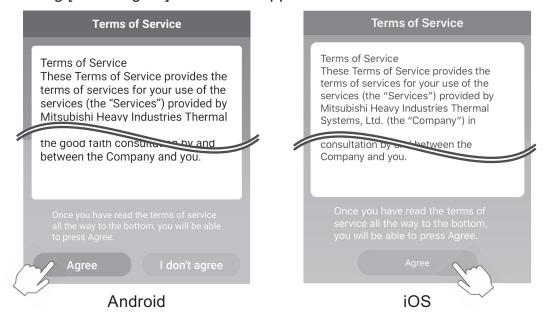


Select which language to use in the application.

Select the region in which the air conditioning unit is installed. Select the unit of temperature displayed in the application.

Finally, tap on the top right to complete the setting.

4) The "Terms of Service" screen appears. Read and check the statement in full. To consent and proceed with using the application tap [Agree]. Selecting [I don't agree] will exit the application.





5) The "Startup" screen appears. Tap [Operate Air Conditioner].

Smart M-Ai	ŗ
Operate Air Conditioner	
Home Use Only	
Try a Demo	>

6) The "Log in" screen appears.

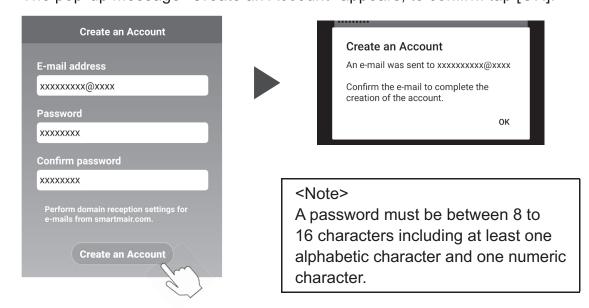
Tap [Create an Account].

The "Handling of Personal Information" screen appears.

Read and check the statement in full. To consent and proceed with using the application tap [Agree].

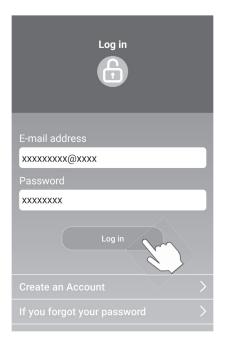
	9:38 🗷 🕛 🐨 🛋 🖹 82%
Log in	< Handling of Personal Information
	Privacy Policy Mitsubishi Heavy Industries
E-mail address	Thermal Systems, Ltd. (hereinafter "MTH") recognizes that all personal information managed and used in its
	other Website linked with the MTH
Password	Website. If you have any query or inquiry regarding the handling of personal information, make direct access to each relevant Website.
Log in	Once you have read the explanation of the handling of personal information all the way to the bottom, you will be able to press Agree.
Create an Account	Agree
If you forgot your password	

7) The "Create an Account" screen appears.
 Enter your e-mail address and password
 Tap the [Create an Account] button.
 The pop-up message "Create an Account" appears, to confirm tap [OK].



An e-mail containing a link to confirm registration will be sent to the e-mail address provided which will expire after 24 hours. Click the link within the e-mail to complete account creation.

8) After creating an account the "Log in" screen is displayed when opening the application. Enter the registered e-mail address and password, and tap the [Log in] button.

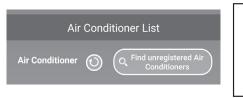


<Note> To reset your password tap "If you

forgot your password".

(4) Confirming the connection method with the wireless remote control (WPS/AP)

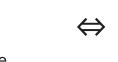
1) Please confirm the "Air Conditioner List" screen is displayed.



<Note> If [Find unregistered Air Conditioners] button is not displayed confirm that section 3 step (1) has been performed correctly.

- 2) The Wireless LAN connection setting cannot be set whilst the unit is running. To turn off the air conditioner press the ON/OFF button on the wireless remote control.
- 3) Select the Wireless LAN connection setting "SL" by pressing the MENU switch on the wireless remote control.
- 4) Based on the router specifications confirmed in section 2, select "E1" (WPS mode) or "E2" (AP mode) using the ▲ and ▼ (TIMER) buttons on the wireless remote control.





AP mode

<Note>

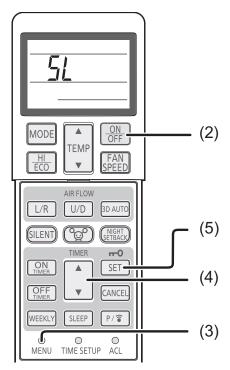
After performing step 5) below, it is necessary to complete up to step 5 (A) 3) within 2 minutes for WPS mode, and up to 5 (B) 3) within 5 minutes for AP mode.

Prepare the necessary information (SSID, KEY, MAC address, and your home Wi-Fi network password) in advance.

5) Press the SET button on the wireless remote control.

The indoor unit will emit "peep pip" to confirm setting of parameters, then the RUN and TIMER lights will also blink simultaneously at 1 second ON, 1 second OFF.

If no sound is emitted by the unit, return to step (3) and repeat the process.



Wireless remote control

(5) Connect the air conditioner to the network.

The connection process will vary depending on the router specifications (WPS/AP).

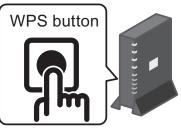
See item (A) for WPS, and item (B) for AP.

(A) Connect the air conditioner to the network with WPS function

1) Press the WPS button.

Press the WPS button on the router*. The buttons generally look like this.

Operation to connect to the router using WPS may vary, refer to manufacturers installation guide for instructions.



- * If using an automatic connection function other than WPS, refer to manufacturers installation guide.
- 2) Use the "Air Conditioner List" screen to register an air conditioner to operate.

Tap the [Find unregistered Air Conditioners] button to display unregister air conditioners on the application.

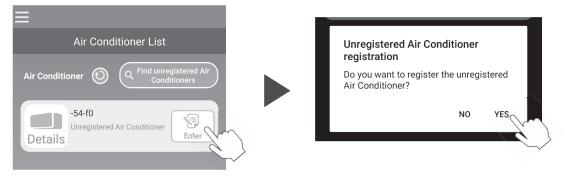
The air conditioner name displays the last 6 digits of the SSID in the position indicated by in the image below. (Refer to section 6 for instructions on confirming SSID.)

=	≡
Air Conditioner List	Air Conditioner List
Air Conditioner () Q. Find unregistered Air Conditioners	Air Conditioner () C Find unregistered Air Conditioners (54-f0) Unregistered Air Conditioner Details

If it is not displayed, confirm again that the steps following section 4 have been performed properly.

- If it is not connected, wait at 2 minutes until the RUN and TIMER light on the indoor unit are no longer lit and repeat process from section 4.
- If the air conditioner still cannot be connected to the application, the number of devices connected with the wireless LAN router may have reached its upper limit, or the router may not be operating or may have failed. Therefore, check the wireless LAN router according to the user's manual of the router.
- If the air conditioner cannot be connected to the application even by following the setting procedure in this manual, refer to FAQ in the menu of the application.

3) Tap the [Enter] button to select the air conditioner you want to add. Tap the [YES] the displayed pop up message to confirm.



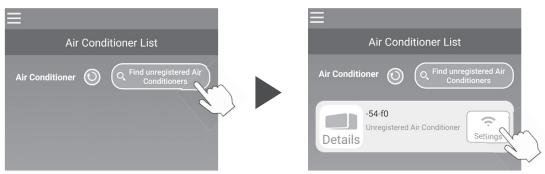
The following screen will be displayed when registration is complete.



(B) Connect the air conditioner to the network with AP

- Change the Wi-Fi connection destination of your smartphone to enter "Smart M-Air-XXXX"* and KEY.
 *XXXX indicates the last 4 digits of the MAC address for the air conditioner. KEY and MAC address confirmation method is described in section 6.
- 2) On the "Air Conditioner List" screen, tap the [Find unregistered Air Conditioners] button.

To add the air conditioner tap the [Settings] button.



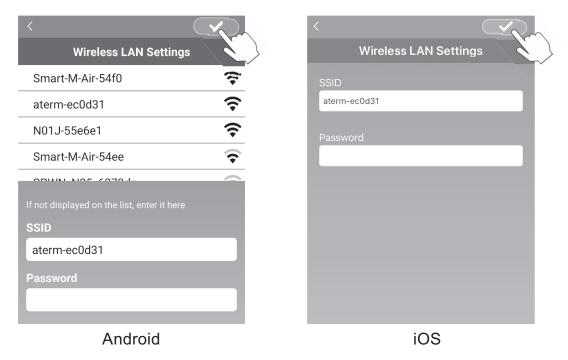
If the air conditioner is not displayed, repeat steps in section 4.

- If it is not connected, wait at 5 minutes until the RUN and TIMER light on the indoor unit are no longer lit and repeat process from section 4.
- If the air conditioner still cannot be connected to the application, the number of devices connected with the wireless LAN router may have reached its upper limit, or the router may not be operating or may have failed. Therefore, check the wireless LAN router according to the user's manual of the router.
- If the air conditioner still cannot be connected to the application after following the procedure in this manual, then refer to the FAQ section in the application menu.
- 3) If prompted to permit access to location information, please permit.

After selecting the network to connect to from the displayed list, the SSID will be pre-populated* in the entry field at the bottom of the screen.

Next, enter your home Wi-Fi network password and tap the top of the screen to confirm.

*If the home Wi-Fi network SSID number is not input automatically then it will need to be entered manually.



The pop-up screen will appear to confirm air conditioner has been added. Tap the [OK] button to continue, the following screen will then be displayed showing the unit has been added.





(6) SSID, KEY and MAC address confirmation method

SSID, KEY and MAC address are printed on the label attached to the front of the indoor unit. Attach the label to this manual and keep it. This can also be viewed by scanning the QR code on the label.

<Note>

There is also a label showing this information inside the inlet panel. See the section "Name of each part and its function" in the USER'S MANUAL for label location.

See the section "Maintenance" in the USER'S MANUAL for instructions to open the inlet panel.

Label attachment position

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"Android[™]" and "Google Play" are trademarks or registered trademarks of Google LLC.

Other company names and product names that appear in this manual are trademarks or registered trademarks of their respective companies.

13. APPLICATION OPERATION MANUAL

Smart M-Air

Operation Manual



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(1) Application features

You can operate the air conditioner in each room at home or from outside.

- Setting operation reservation of every day of the week for each air conditioner
- Checking the power consumption of an air conditioner
- Setting the shut-off reminder alert
- Alerting if an air conditioner is abnormal



Note

Depending on the function of the connected air conditioner, the following operation will not be reflected in the operation of the air conditioner.

• Left/Right, 3D AUTO, Home leave mode, Electricity Bill Graph

Depending on the function of the connected air conditioner, the following operation will not appear on the screen:

Home leave mode setting, LED ON

When the wireless LAN interface is connected, the timer setting is disabled on your home remote control depending on your air conditioner.

Please use the timer function of the application to set the timer.

(2) Manipulation modes

• Remote operation mode

This mode allows you to operate the registered air conditioner via the smartphone application when you are out of the office.

Also, you can register and operate the air conditioner at home through a smartphone application.

• Home restricted mode

This mode allows you to register and operate the air conditioner at home via the smartphone application.

You can operate without data communication to the server.

Operation is not available when you are out.

• Demo mode

If you don't have an air conditioner compatible with a smartphone app,This mode allows you to experience the operation feel of remote operation mode.

(3) Preparation for use

Smartphone setting

Turn on Wi-Fi of your smartphone.





• Application initial setting

Tap the Smart M-Air icon.

M-Air	
Figure 3-2	
10:23 ▷ ① ▼⊿ ∎ 80%	
Smart M-Air	7
Figure 3-3	

The application starts.

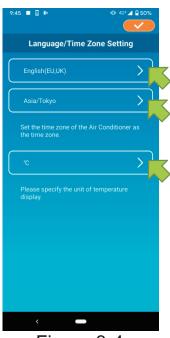


Figure 3-4

After startup, the "Language/Time Zone Settings" screen appears.

Select a language to use in the application.

Select a time zone. Select the time zone in which the air conditioner to operate via the application exists.

Choose the unit of temperature.

Finally, tap *context* on the top right to complete the setting.

The "Terms of Service" screen appears.

Read the text to the bottom and check the description. If you agree it and use the application, tap [Agree]. When you tap [I don't agree], the application exits.

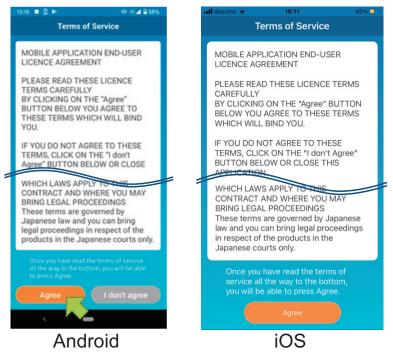


Figure 3-5

On the startup screen, select a mode to use.

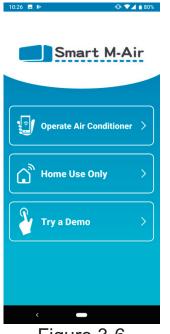


Figure 3-6

 Operate Air Conditioner (Remote operation mode)

Tap "Operate Air conditioner" for remote control or to use optional functions such as weekly timer.

- → To <u>"Creating user account"</u>
- Home Use Only (Home restricted mode)

Tap "Home Use Only" to operate only at home. Some functions are restricted, but you can change to remote operation mode at any time.

→ To <u>"Registering air conditioner"</u>

Switching operation mode

- → To <u>"Changing Application Settings"</u>
- Try a Demo (Demo Mode)

Tap "Try a Demo" to try out the app's features. (Some features only)

- → To <u>"4. Basic Usage"</u>
- Creating user account

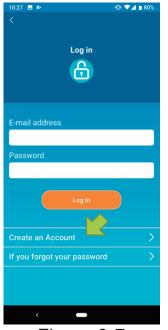


Figure 3-7

Tap [Create an Account].



10:27 🖪 🕨 🕕 🗣 🖬 80%
<
Create an Account
E-mail address
Password
Fassword
Confirm password
Perform domain reception settings for e-mails from smartmair.com.
Create an Account
<
Figure 3-9

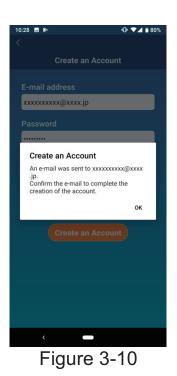
Read the text of Handling of Personal Information to the bottom and check the description.

If you agree it and use the application, tap [Agree].

The "Create an Account" screen appears. Enter your e-mail address and password and tap the [Create an Account] button.

Note

• A password must be between 8 to 16 characters including at least one alphabetic character and one numeric character.



When the pop-up message "Create an Account" appears, tap [OK].

The email containing the URL of the authentication screen will be sent to the email address you entered, so please click the URL within 24 hours to complete the account creation.

10:29 🖬 🕨	🕩 💎 🔟 📋 80%
	Log in
E-mail address	
xxxxxxxxxx@xxx	кх.jp
Password	
	Log in
Create an Accou	
If you forgot you	r password
<	
Fiqu	ıre 3-11

After the account is created, the "Log in" Screen appears on the application.

Click the URL written in the e-mail, enter the registered e-mail address and password, and tap the [Log in] button.

If you forget your password and cannot log in, tap "If you forgot your password" and set a new password.

→ To <u>"Reset Password"</u>

• Registering air conditioner



Figure 3-12

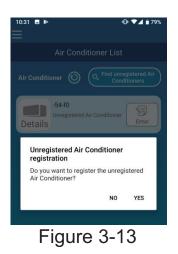
Use the "Air Conditioner List" screen to register an air conditioner to operate.

Tap the "Find unregistered Air Conditioners" button to display air conditioners that are not registered on your smartphone.

The air conditioner name (O locations) displays the last 6 digits of the SSID on the label of the wireless LAN interface.

Tap the [Enter] button.

- When the air conditioner is not displayed on the list screen
 - \rightarrow To <u>"When the air conditioner that you want to register</u> does not appear in the air conditioner list screen"
- To delete a registered air conditioner
 - → To <u>"How to delete a registered air conditioner"</u>



To register the air conditioner, tap [YES] on the pop-up message displayed.

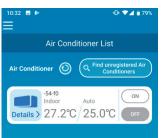


Figure 3-14

• Wireless LAN settings of air conditioner

If your wireless LAN router does not support WPS, manually make wireless LAN settings of your air conditioner.

Set the wireless LAN interface to the AP mode, and then change the Wi-Fi connection

destination of your smartphone to "Smart-M-Air-XXXX".

"XXXX" is the last 4 alphanumeric characters of the MAC address of the wireless LAN interface.



Figure 3-15

Wireless LAN Settings
Allow Smart M-Air to access this device's
Iocation?
Deny Allow
Past
Figure 3-16

On the "Air Conditioner List" screen, tap the [Find unregistered Air Conditioners] button. The target air conditioner appears.

Tap the [Settings] button.

If you are prompted to permit access to location information, tap [Allow].

When you tap the network you want to set from the displayed list, the SSID appears in the "SSID" entry field at the bottom of the screen, enter "Your home Wi-Fi password" below it, and tap _____ in the top right.

If the network you want to set is not displayed in the list, enter "SSID" and "Your home Wi-Fi password" directly, then tap *on the top right* to set.









After the wireless LAN settings is completed, the air conditioner is registered.

• Naming air conditioner



If you want to change the name of the air conditioner displayed in the application such as the air conditioner list screen, tap "Details" to display the detailed screen of the air conditioner.



Figure 3-20

Press and hold down (1 second) an air conditioner name. The "Edit Air Conditioner name" dialog appears. Use this to change the name.



Figure 3-22



Figure 3-23

Enter a new air conditioner name and tap [YES].

(4) Basic usage

• Starting / Stopping air conditioner operation



Figure 4-1

To start or stop the operation, tap the [ON] / [OFF] button of the air conditioner that you want to operate on the "Air Conditioner List" screen.

When the button color changes, switching is complete. (Grayed out when off)

To update to the latest information, tap 🗿.

Note

• When operating an air conditioner from an external location, it may take up to one minute to complete the air conditioner operation.

Switching operation mode



Tap an air conditioner that you want to switch the operation mode on the "Air Conditioner List" screen.



To change the "Operation mode", tap each mode from "Auto" to "Dry".

☆ appears when the air conditioner is in clean mode. To cancel clean mode, tap

appears when the weekly timer is set by this application.

appears when the application is used at home where the air conditioner is set and connected to the application.

Changing temperature

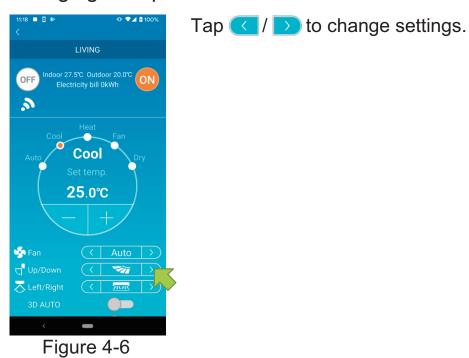


To set a desired temperature, tap - / + . The current set temperature appears in the circle.

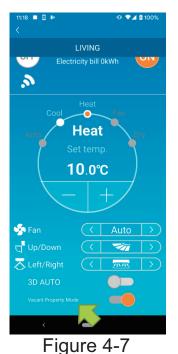


When the operation mode is Fan, Set temp. shows "-".

• Changing fan speed and airflow direction



Switching Vacant Property Mode



When Vacant Property Mode is ON, operation mode and Set temp. can be set as follows.

- Cool : Set temp. 31°C to 33°C (at 1°C intervals)
- Heat: Set temp. 10°C to 17°C (at 1°C intervals)

Only "Cool" or "Heat" can be set as an operation mode.

(5) Using Favourites



Register your desired settings of "Set temp", "Operation mode", "Fan", "Up / Down" and "Left / Right" with Favourite. Tapping the [Favourite] button changes the current settings to the registered settings.

On the air conditioner details screen, press and hold down (1 sec) the [Favourite 1] or [Favourite 2] button. The "Favourite" screen appears.

10:49		
	Favourite	
💛 Favourite 1	Favourite 2	
Set temp	22.0°C 💌 🔺	
Operation mode (Cool	
Fan	< 111 >	
Up/Down (< 🛪 >	
Left/Right	< ** >	
3D AUTO		
<	-	

Figure 5-2

Press **C** in the upper left of the screen to return to the operation screen.



When you tap the [Favourite 1] or [Favourite 2] button, the current settings are changed to the favourite settings you tapped.

3:43 ■ 🕀 🛛 🕨		•	♥ ♥⊿ 🔒 58%
	Favo	ourite	
💛 Favourit	e 1	💙 Fav	ourite 2
Set temp	25	5.0°C	
Operation mode	<	Auto	
Fan	<	Auto	>
Up/Down	<		>
Left/Right	<		>
3D AUTO)
<	•	_	
Fig	gur	e 5-	4



Figure 5-5

To change the name of the "Favourite" button, press and hold down the "Favourite" button for approximately 1 second. "Edit Favourite name" dialog appears to change the name.



Enter the new favourite name and tap [YES].





(6) Using Options

You can make various option settings such as alerts and LED lighting, and check the number of accounts registered with an air conditioner.

Home restricted mode : Only "Home Leave Mode", "Cooling specific" and "LED ON" are operable.

Demo mode : Options are not operable.

You can switch to remote operation mode using "Changing Application Settings" in the main menu.

→ To <u>"Changing Application Settings"</u>

11:08 <		0 🔷	56%
	LIVING		
		-	
🧐 Fan		Auto	\rightarrow
त्त् <mark>र</mark> Up/Down	\langle		\triangleright
Teft/Right		2020	\rightarrow
3D AUTO			
Vacant Property Mi			
Favo	urite Se	ttings	
Favourite 1		Favourite	e 2
Options			>
Weekly Time			>
Calendar			>
Electricity Bill G	Graph		>
	010/123		
<	-		
Fig	Ire	6-1	

Tap [Options] on the lower part of the air conditioner details screen. The "Options" screen appears. Only "LED ON" is ON by default.



Switch between [ON] and [OFF], and tap on the top right of the screen to save the settings you changed.

Note

• Shut-off reminder alert, AC error notification, Hi temp/low temp alert ,Watching function can be used with "Remote operation mode".

Shut-off reminder alert

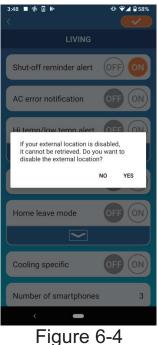
If you are more than 1 km away from the air conditioner you are driving, you can receive a push notification to the smartphone application.

To receive alerts, tap [ON].



When the pop-up message appears, tap [YES] and then tap

To not to receive alerts, tap [OFF].



When the pop-up message "If your external location is disabled, it cannot be retrieved. Do you want to disable the external location?" appears, tap [YES] and then tap **___** on the top right.

Note

- Acquisition of location information is performed by using the location of your smartphone as the location of the air conditioner. Perform location information acquisition near your air conditioner.
- AC error notification (Air conditioner error notification)

If any abnormality is detected in your air conditioner, an e-mail is sent to the registered e-mail address.

- \rightarrow To "When an abnormality notification appears in the air conditioner list"
- To receive notifications, tap [ON] and then tap
- To not to receive notifications, tap [OFF] and then tap top right.

• Hi temp/low temp alert

When the air conditioner reaches the specified high/low temperature condition, a push notification is sent to the smartphone application.

- To receive alerts, tap [ON] and enter the high and low temperatures and then tap _____ on the top right.
- To display the high and low temperatures input area, tap .



Figure 6-5

Note

• When the room temperature is higher / lower than the temperature specified here, alerts are sent.

If you set the high temperature at 31°C, an alert is sent when the room temperature exceeds 31°C. No alert is sent at 31°C.

• Setting only either of high or low temperature receives alerts only for high or low temperature.

To not to receive alerts, tap [OFF] and then tap _____ on the top right.

Watching function

When the air conditioner is controlled other than your smartphone, an e-mail is sent to the registered e-mail address.

Note

- The notification also applies to the operation with the timer of the air conditioner itself and the end of internal clean operation.
- To receive alerts, tap [ON] and then tap _____ on the top right.
- To not to receive alerts, tap [OFF] and then tap _____ on the top right.
- Home leave mode

When the room temperature is lower than a setting temperature, heating is turned on automatically.

When the room temperature is higher than a setting temperature, cooling is turned on automatically.

■ To use "Home leave mode", tap [ON].



When the pop-up message "It may not be Possible to use the Home leave mode even if it is turned ON." appears, tap [OK] and then tap _____ on the top right.

Note

- There is no "Home leave mode" depending on the air conditioner connected. In this case, "ON" has no effect.
- To not to use "Home leave mode", tap [OFF] and then tap on the top right.

To change the setting of home leave mode, tap . To hide them, tap . The following settings can be changed.



Figure 6-7

 Determine temp: Set the preferred outside temperature to start the operation of the air conditioner in cooling/heating mode.

Allowable setting range in cooling : 26°C to 35°C (at 3°C intervals) Allowable setting range in heating : 0°C to 15°C (at 5°C intervals)

• Set temp: Set the preferred indoor temperature to operate in cooling/heating mode.

Allowable setting range in cooling : 26°C to 33°C (at 1°C intervals) Allowable setting range in heating : 10°C to 18°C (at 1°C intervals)

Fan speed : Set the fan speed in cooling/heating mode.

[example]

Cooling → When you input the determine temp. as 32°C, set temp. as 26°C and the fan speed at the slowest, the air conditioner will start operating at 26°C with the slowest fan speed when the outside temperature reaches to 32°C.

Cooling specific

If you set it as an air conditioner for cooling only, you won't be able to use the heating in the smartphone application.

To use "Cooling specific", tap [ON] and then tap _____ on the top right.



• When "ON" is set or "Heat" is set to favourites, the pop-up message asking whether to initialize favourites appears.

If you tap [YES] on the pop-up message, the "Cooling specific" setting is turned "ON" to initialize the favourite with heating set.

- To not to use "Cooling specific", tap [OFF] and then tap _____ on the top right.
- LED ON

Lights up the LED of the wireless LAN interface.

- To use LED lighting, tap [ON] and then tap <u></u>on the top right.
- To not to use LED lighting, tap [OFF] and then tap _____ on the top right.
- Number of smartphones

Displays the number of smartphones registered with the air conditioner.

(7) Setting Weekly Timer

Makes the timer setting for every day of the week.



Tap [Weekly Timer] on the lower part of the air conditioner details screen.

The "Weekly Timer" screen appears.

Tap ____on the top right of the screen to save the settings you changed.



Tap the day of the week you want to set to display the timer list for that day of the week.

You can set up to six timers for each day of the week, but you cannot set the same time for the same day.

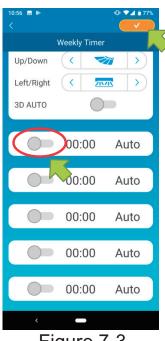


Figure 7-3

A disabled timer shows the time and operation mode only.

Tap the switch at \bigcirc to enable and edit.

Edit each item and tap <u>set</u> on the top right to set the timer on the target day.



When at least one timer setting is ON, the timer icon appears on the air conditioner detail screen.

The timer you set here is applied to every week on that day.

To turn off the timer only on a certain day, or to apply the timer of another day, set individually from the "Calendar" screen.

(8) Setting Timer by Specifying Date via Calendar

When you set the weekly timer, the same timer is applied to the same day every week. To turn off the timer or set the timer of a different day on a certain day, set individually from the "Calendar" screen.

11:09		• ♥⊿	₽ 55%
		_	
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ਹ੍ਰਾ Up/Down	\leq		
Teft/Right	$\langle \langle $	ZIVZIN	$\left \right\rangle$
3D AUTO			
Favo	urite Set	tings	
Favourite 1		Favourite	2
Options			>
Options Weekly Timer			> >
	<u>}</u>		
Weekly Timer	Graph		>
Weekly Timer Calendar	Graph 010/123		>
Weekly Timer Calendar			>

Tap [Calendar] on the lower part of the air conditioner details screen.

The [Calendar] screen appears.



Figure 8-2

Tap the date of the calendar. Select the timer of the day of the week that you want to apply from "Weekly Timer Settings" and tap _____ on the top right of the screen.

If you select "OFF" from "Weekly Timer Settings", the weekly timer is not applied.

When the timer of a different day of the week is applied or the timer is turned off, the date appears in green.

• Clear the timer set from the calendar



Tap the date whose timer you want to clear.

Figure 8-3



From "Weekly Timer Settings", select the same day of the week as the date to clear and tap

11:0	5 🖬					•	•4•	71%
			С	alend	ar			
			Aug	just 2	020			
	Sun	Mon	Tue	Wed	Thu	Fri	Sat	
	26						1	
	2	3	4	5	6	7	8	
	9	10	11	12	13	14	15	
	16	17	18	19	20	21	22	
	23	24	25	26	27	28	29	
	30	31	1					
			$\overline{\ }$	mber	2020)		
	Sun	Mon	Tue	Wed	Thu	Fri	Sat	
			1	2	3	4	5	
		Tue	e. 8	/25	/20)20		
				Timer				
			Tues	day		r		
	<	<						

Figure 8-5

When cleared, the background of the date is displayed in white.

(9) Displaying Electricity Bill Graph

Displays an electricity bill by month on a graph. You can also set the electricity unit cost.

11:09 <		⊕ ♥∡	9 55%
	LIVING		
		-	
in Fan		Auto	\supset
ਹ੍ <mark>ਰ</mark> Up/Down			\triangleright
arright Left/Right		2020	\triangleright
3D AUTO			
Favo	urite Se	ttings	
Favourite 1			
- ravounte r		Favourite	2 2
Options		Favourite	>
		Favourite	
Options		Favourite	>
Options Weekly Timer	iraph	Favourite	> >
Options Weekly Timer Calendar	iraph 010/12	Favourite	> > >
Options Weekly Timer Calendar		Favourite	> > >

Note

Depending on the type of air conditioner you connect, the function may be disabled.

Tap [Electricity Bill Graph] on the lower part of the air conditioner details screen.

The "Electricity Bill Graph" screen appears.

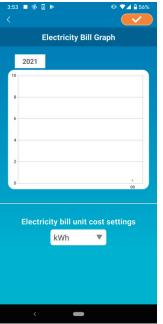


Figure 9-2

3:53 🔲 🕀 🗉 🕨	O 💎 🖌 🔒 56%
<	
Electric	city Bill Graph
2021	
10	
8	
6	
4	
2	
0	
	09
Electricity bi	Il unit cost settings
0.06	€/kWh ▼
<	-

Figure 9-3

If you change the electricity bill unit cost settings, you can enter a unit price by changing the unit of measure.

After editing, tap <u>to</u> save the setting.

(10) Updating Firmware

If the firmware of your wireless LAN interface is not up to date, an exclamation mark () appears on the "Air Conditioner List" screen.



Tap [Details] to display the air conditioner details screen.

Figure 10-1

11:15 <		⊕ ♥∡	55%
	LIVING		
		-	
🧐 Fan	$\overline{\langle}$	Auto	\rightarrow
त्तु <mark>प</mark> Up/Down	\langle	1	\rightarrow
argen Left/Right	\langle	<u>715/15</u>	\rightarrow
3D AUTO			
Favo	urite Set	ttings	
Favourite 1			
<u> </u>		Favourit	e 2
Options		Favounte	>
<u>(</u>		Favount	
Options			>
Options Weekly Timer	Graph	Favount	>
Options Weekly Timer Calendar Electricity Bill G			>
Options Weekly Timer Calendar Electricity Bill G			>

Tap the [Firmware update] button.

Note

- · Perform the firmware update in the same wireless LAN area as the air conditioner.
- Please turn off the air conditioner in advance.
- · If firmware update is disabled, the button is not enabled.

15:30 ■ 🛛 🕨		0 ବ ⊿ (100%
🐝 Fan			$\left \right\rangle$
			$\left \right>$
a Left/Right		215/15	$\left \right>$
3D AUTO			
Firmware up Air Conditioner from the applic updates. Do yo	rs cannot be cation during	g firmware	
	ou want to uj	NO YES	5
Options	ou want to u		s)
(ou want to u		5) > >
Options	u want to u		>
Options Weekly Timer			>
Options Weekly Timer Calendar Electricity Bill 0		NO YES	> > >
Options Weekly Timer Calendar Electricity Bill 0	Graph	NO YES	> > >

Tap [YES] to update the firmware to the latest one.

The firmware update takes 10 minutes (Max). The operation from the application is not accepted during that period.

If after 10 minutes (Max) the "Firmware update" button appears, retry the firmware update.

11:34 <		• ♥ ∡	₿54%
	LIVING		
🧐 Fan	$\langle \rangle$	Auto	\rightarrow
ਰ੍ਹਾ Up/Down		<hr/>	\rightarrow
Z Left/Right		avan.	\rightarrow
3D AUTO			
	ode		
Favo	urite Setting	js	
Favourite 1		Favourite	2
Options			>
Weekly Timer			>
Calendar			>
Electricity Bill G	iraph		>
<			

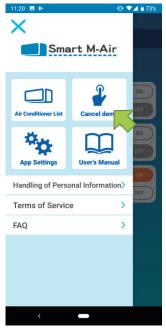
When the firmware becomes up to date, the firmware version appears instead of the [Firmware update] button.

(11) Main Menu

Tap the menu button (\equiv) that appears on the top left in the screen such as "Air Conditioner List", to display the main menu.

11.04 E 10 0 175%	Air Conditioner Lis	t : Operates or sets an Air conditioner.
red Air rs	 Alerts 	: Checks alerts.
Air Conditioner List	App Settings	: Switches the operation mode or sets the password.
App Settings User's Manual Handling of Personal Information>	User's Manual	: Displays the user's manual.
Terms of Service > FAQ >	Handling of Persor	nal Information : Displays the handling of personal information.
 	Terms of Service	: Displays the terms of service.
Figure 11-1	■ FAQ	: Displays the FAQ.

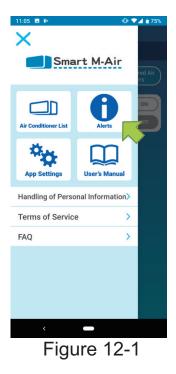
Canceling demo mode



In the demo mode Cancel demo : Exits the demo mode.

Figure 11-2

(12) Checking Alerts



Alert List

 November 11, 2020

 November 11, 2020

 Notice of service start

Figure 12-2

Open the main menu and tap [Alerts].

A list of alerts appears.

Tap each alert to display the alert details screen and check it.

appears to the alert that is not checked in the alert details screen.



Figure 12-3

(13) Changing Application Settings



Open the main menu and tap [App Settings].

Figure 13-1

11:06	-0 ♥⊿ ∎ 75%
Application Setting	gs
Switch Operation Modes	\rightarrow
Password Settings	>
Language/Time Zone Set	tting >
Application Initialization	>
Application Version Disp	lay >
<	

Figure 13-2

The "Application Settings" screen appears.

- Switch Operation Modes: Switches between the remote operation mode and home restricted mode.
 - \rightarrow To "Switch Operation Modes"
- Password Settings: Sets a password.
 - → To "Reset Password"
- Language/Time Zone Settings: Sets a language to use in the smartphone application and a time zone for an air conditioner.
 - → To "Language/Time Zone Settings"
- Application Initialization: Initializes the smartphone application.
 - → To "Application Initialization"
- Application Version Display: Displays the version of your smartphone application.
 - → To "Application Version Display"

Note

 In "Home restricted mode", you cannot operate "Password Settings". In "Try a Demo", only "Language/Time Zone Settings" and "Application Version Display" can be operated. Functions that cannot be operated are displayed in gray, and nothing is displayed even if you tap them.

Switch Operation Modes

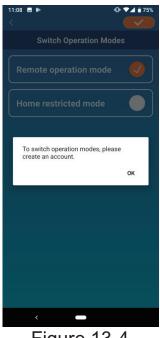
You can see the current operation mode. To switch the operation mode, select the desired mode and tap <u></u>.

• Switching to "Remote operation mode"



Tap [Remote operation mode] \rightarrow Tap \checkmark on the top right to switch the mode.

Figure 13-3

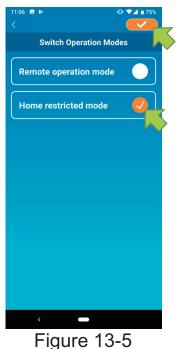


When the account creation pop-up message appears, tap [OK], agree with the handling of personal information, and create an account.

 \rightarrow To "Creating user account"

Figure 13-4

· Switching to "Home restricted mode"



Tap [Home restricted mode] \rightarrow Tap \bigcirc on the top right to switch the mode.

Note

 Note that if you switch the mode to "Home restricted mode", the account information used in "Remote operation mode" is deleted.

The popup for remote control disabled and the popup for deleting server data will appear, so tap [YES].



Figure 13-6

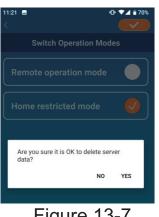
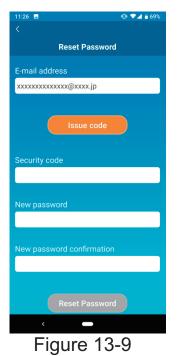


Figure 13-7

▼⊿ 🕯 70% Operation mode switching is complete. OK Figure 13-8

When the operation mode switching completion pop-up message appears, tap [OK].

Reset Password



Enter the registered e-mail address and tap the [Issue code] button.

Note

• After tapping the [Issue code] button, keep this screen displayed until the password resetting is completed.

If you tap \leq and return to the previous screen, these operations are canceled.

When the e-mail sending pop-up message appears, tap [OK].

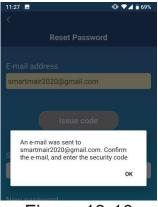


Figure 13-10

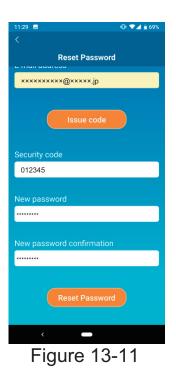




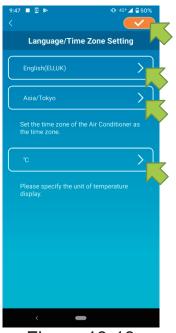
Figure 13-12

An e-mail with a security code will be sent to the e-mail address you entered. Enter "Security code" and "New password" and tap [Reset Password] to update your password.

Note

• A password must be between 8 to 16 characters including at least one alphabetic character and one numeric character.

• Language/Time Zone Settings



The "Language/Time Zone Settings" screen appears.

Select a language to use in the application.

Select a time zone. Select the time zone in which the air conditioner to operate via the application exists.

Choose the unit of temperature.

Finally, tap <u>constant</u> on the top right to complete the setting.

Figure 13-13

Application Initialization

Initializes the smartphone application.

Note

• Note that if you initialize the application in "Remote operation mode", the information of the account logged in is deleted.



Tap [Initialize the application].

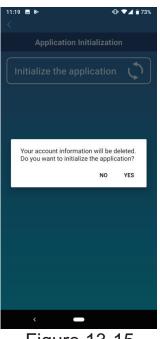


Figure 13-15

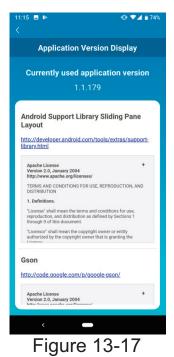
11:19 🖻 🕨 🛛 🗣 🕊 🖬 73% <
Application Initialization
Initialize the application
Initialization is complete. Close the application.
< 📼

Figure 13-16

When the pop-up message "Your account information will be deleted. Do you want to initialize the application?" appears, tap [YES].

When the pop-up message "Initialization is complete. Close the application." appears, tap [OK] to close the application.

Application Version Display



Displays the version of your smartphone application.

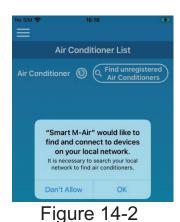
(14) Troubleshooting

• When the air conditioner that you want to register does not appear in the air conditioner list screen



Tap the [Find unregistered Air Conditioners]

Button to search unregistered air conditioners and update the "Air Conditioner List" screen.



When asked for "search your local network" on iOS, tap the "OK" button.

If you accidentally tap the "Don't Allow" button, change the Smart M-Air's "local network" in the iOS app permission settings to "ON", then tap the "Find unregistered Air Conditioner" button again. • How to delete a registered air conditioner



To delete a registered air conditioner, press and hold down (2 seconds) the icon of the target air conditioner.

Figure 14-3



Figure 14-4

When the deleting air conditioner pop-up Message appears, tap [YES].

• When an abnormality notification appears in the air conditioner list



When an abnormality notification appears, air conditioner abnormality has been detected. Contact your dealer.

When "AC error notification" of the option settings is enabled, an e-mail is sent to the registered e-mail address.

- Figure 14-5
- When you forget your password and cannot log in

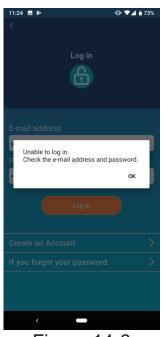


Figure 14-6

If you forgot your password and failed to log in, tap [OK] on the pop-up message, tap [If you forgot your password] to display the "Reset Password" screen, and set a new password.

→ To <u>"Reset Password"</u>

• When operation is performed by another account



The message shows in the following cases:

- When the application is operated from other smartphones at the same time
- When the air conditioner is changing its operation status by its set control

The equipment is not malfunctioning, so please try again after a while. (Approximately 1 minute)

• When "Shut-off reminder alert" does not turn on (For Android OS)



Figure 14-8

You must select "While using the app" when there is a request to allow access to your device information for this application.

If you accidentally tap other buttons such as "Only this time" or "Deny", you can change it to "While using the app" in Android OS Setting Screen.

14. OPTION PARTS

(1) Wired remote control

(a) Model RC-EX3A

1) Safety precautions

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

MARNING	Failure to follow these instructions properly may result in serious consequences such as death, severe injury, etc.
	Failure to follow these instructions properly may cause injury or property damage.

It could have serious consequences depending on the circumstances.

• The following pictograms are used in the text.



Never do.



Always follow the instructions given.

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

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

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

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

2) Accessories & Prepare on site

Following parts are provided.

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

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

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

When the cable length is longer than 100 m, the max size for wires used in the R/C case is 0.5 mm². Connect them to wires of larger size near the outside of R/C. When wires are connected, take measures to prevent water, etc. from entering inside.

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

3) Installation place

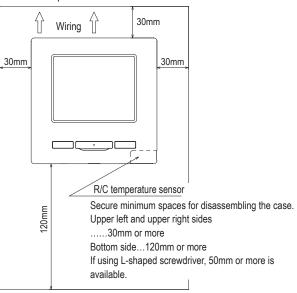
Secure the installation space shown in the figure.

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

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

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

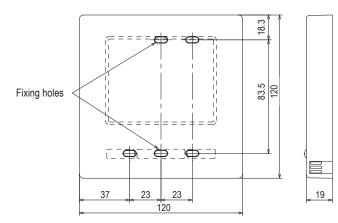
Installation space



4) Installation procedure

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

Dimensions (Viewed from front)



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

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

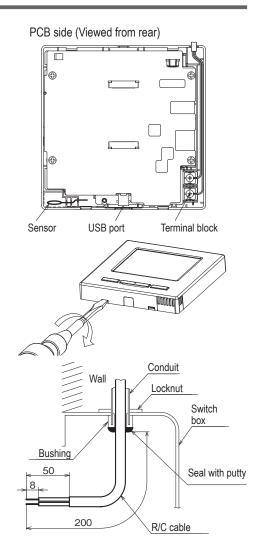
Take care to protect the removed upper case from moisture or dust.

In case of embedding wiring

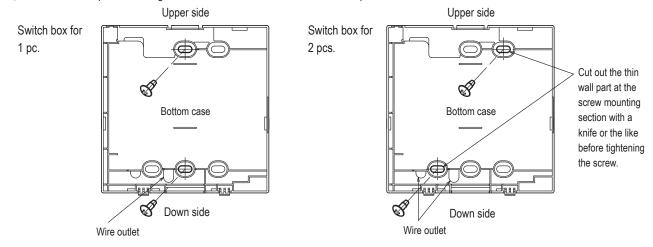
(When the wiring is retrieved "Backward")

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

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



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



Wiring hole on

bottom case

③ Connect wires from X and Y terminals of R/C to X and Y terminals of indoor unit. R/C wires (X, Y) have no polarity. Fix wires such that the wires will run around the terminal screws on the top case of R/C.

④ Install the upper case with care not to pinch wires of R/C.

Cautions for wire connection

Use wires of no larger than 0.5 mm² for wiring running through the remote control case. Take care not to pinch the sheath.

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

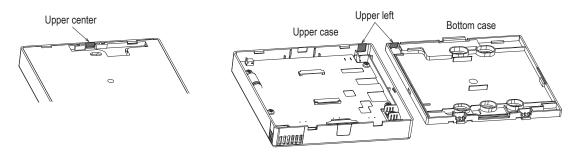
In case of exposing wiring

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

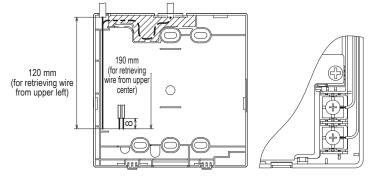
1 Cut out the thin wall sections on the cases for the size of wire.

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

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



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

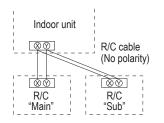


5) Main/Sub setting when more than one remote control are used

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

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

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

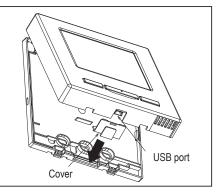


R/C operation	าร		Main	Sub
Run/Stop, Ch Change flap speed operat	nange set ter direction, Au ions	np., to swing, Change fan	0	0
High power o	peration, En	ergy-saving operation	0	0
Silent mode of	control		0	×
Useful	Individual f	Individual flap control		×
functions	Anti draft s	etting	0	×
	Timer		0	0
	Favorite se	tting	0	0
	Weekly tim	er	0	×
	Home leave	e mode	0	×
	External ventilation			0
	Select the language		0	0
	Silent mode control		0	×
Energy-saving setting				x
Filter	Filter sign r	eset	0	0
User setting	Initial settin	gs	0	0
	Administrator settings	Permission/ Prohibition setting	0	×
		Outdoor unit silent mode timer	0	×
		Setting temp. range	0	×
		Temp increment setting	0	×
		Set temp. display	0	0
		R/C display setting	0	0
		Change administrator password	0	0
		F1/F2 function setting	0	0

			○ : operable ×: n	iot ope	erable
R/C operation	C operations				Sub
Service	Installation	Installation date		0	×
setting	settings	Compan	y information	0	0
		Test run	*	0	×
	Static pressure adjustment Change auto-address		0	×	
				0	x
			setting of main IU	0	x
		IU back-	up function	0	×
		Motion s	ensor setting	0	×
	R/C function	Main/Su	b of R/C	0	0
	settings	Return a	iir temp.	0	×
		R/C sen	sor	0	×
		R/C sen	sor adjustment	0	×
		Operatio	on mode	0	×
		°C / °F		0	×
	Fan speed External inp			0	×
			0	×	
		Upper/lc	wer flap control	0	×
	Left/right flap control			0	×
		Ventilati	on setting	0	×
	Auto-restart		0	x	
		Auto ten	0	×	
		Auto fan	speed	0	×
	IU settings			0	×
	Service &	IU addre		0	0
	Maintenance	Next ser	vice date	0	×
		Operatio		0	×
		Error Error history		0	0
	display Display/erase anomaly data		Display/erase anomaly data	0	×
			Reset periodical check	0	0
		Saving I	U settings	0	×
		Special	Erase IU address	0	×
	s	settings	CPU reset	0	0
			Restore of default setting	0	×
			Touch panel calibration	0	0
		Indoor u	nit capacity display	0	×

Advice: Connection to personal computer

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



Advice: Initializing of password

Administrator password (for daily setting items) and

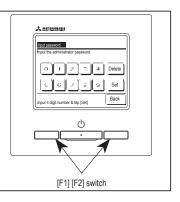
service password (for installation, test run and maintenance) are used.

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

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

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

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



PJA012D730

(b) Model RC-E5

Read together with indoor unit's installation manual.

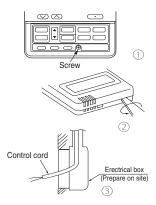
		MARNING				
	Fasten the wiring to the terminal securely and hold the cable securely so as not to apply unexpected stress on the terminal. Loose connection or hold will cause abnormal heat generation or fire.					
_						
		source is turned off when electric wiring work.				
_	Otherwise, electric sh	ock, malfunction and improper running may occur.		U		
_						
	Do not install the remote control at the following places in order to avoid malfunction.					
	(1) Places exposed to direct sunlight (4) Hot surface or cold surface enough to generate condensation					
	(2) Places near heat devices (5) Places exposed to oil mist or steam directly					
	(3) High humidity places (6) Uneven surface					
	Do not leave the remo	te control without the upper case.				
	In case the upper cac	e needs to be detached, protect the remote control with a packaging	box or bag in	()		
	order to keep it away		,	S		
	-			_		
	Accessories	Remote control, wood screw (ø3.5×16) 2 pieces				
	Prepare on site	Remote control cord (2 cores) the insulated thickness in 1r	mm or more.			
		[In case of embedding cord] Erectrical box, M4 screw	v (2 pieces)			
		[In case of exposing cord] Cord clamp (if needed)	/			

Installation procedure

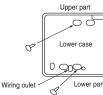
- Open the cover of remote control, and remove the screw under the buttons without fail.
- ② Remove the upper case of remote control. Insert a flat-blade screwdriver into the dented part of the upper part of the remote control, and wrench slightly.

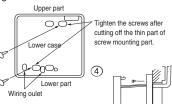
[In case of embedding cord]

③ Embed the erectrical box and remote control cord beforehand.



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

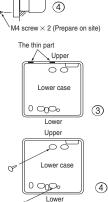




- S Connect the remote control cord to the terminal block. Connect the terminal of remote control (X,Y) with the terminal of indoor unit (X,Y). (X and Y are no polarity)
- (6) Install the upper case as before so as not to catch up the remote control cord, and tighten with the screws.

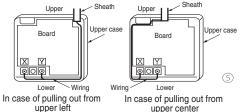
[In case of exposing cord]

- ③ You can pull out the remote control cord from left upper part or center upper part. Cut off the upper thin part of remote control lower case with a nipper or knife, and grind burrs with a file etc.
- ④ Install the lower case to the flat wall with attached two wooden screws.



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

(X and Y are no polarity) Wiring route is as shown in the right diagram depending on the pulling out direction.



The wiring inside the remote control case should be within 0.3mm² (recommended) to 0.5mm². The sheath should be peeled off inside the remote control case. The peeling-off length of each wire is as below.

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

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

Installation and wiring of remote control

- Wiring of remote control should use 0.3mm² × 2 cores wires or cables. (on-site configuration)
- 2 Maximum prolongation of remote control wiring is 600 m.
 - If the prolongation is over 100m, change to the size below.

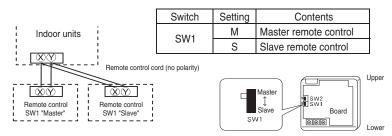
But, wiring in the remote control case should be under 0.5mm². Change the wire size outside of the case according to wire connecting. Waterproof treatment is necessary at the wire connecting section. Be careful about contact failure.

100 - 200m······0.5mm² × 2 cores

Under 500m \dots 2.0mm² × 2 cores

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

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



Set SW1 to "Slave" for the slave remote control. It was factory set to "Master" for shipment. Note: The setting "Remote control sensor enabled" is only selectable with the master remote

control in the position where you want to check room temperature.

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

The indication when power source is supplied

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

Master remote control : " @WAIT@ M" Slave remote control : " @WAIT@ S"

At the same time, a mark or a number will be displayed for two seconds first. This is the software's administration number of the remote control, not an error cord.

ΠЬ RE The left mark is only an example. Other marks may ®₩AIT® М appear.

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

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



The range of temperature setting

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

Heating : 16-30°C (55-86°F)

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

Oupper limit and lower limit of set temperature can be changed with remote control.

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

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

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

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

[If lower limit value is set]

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

- 2. When 2 TEMP RANGE SET, remote control function of function setting mode is "NO INDN CHANGE"
 - [If upper limit value is set]

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

[If lower limit value is set]

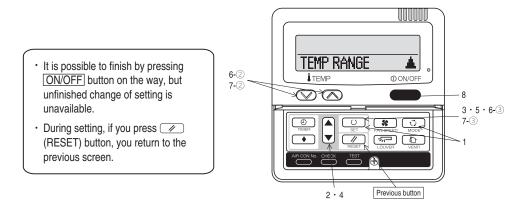
During except heating, even if the value lower than the lower limit is set, lower limit value will be sent to the indoor unit. But, the indication is the same as the temperature set.

How to set upper and lower limit value

1. Stop the air-conditioner, and press O (SET) and C. (MODE) button at the same time for over three seconds .

The indication changes to "FUNCTION SET ▼".

- 2. Press 💟 button once, and change to the "TEMP RANGE 🔺 " indication.
- 3. Press O (SET) button, and enter the temperature range setting mode.
- 4. Select "UPPER LIMIT ▼ " or "LOWER LIMIT ▲ " by using ▲ ▼ button.
- 5. Press <u>(SET)</u> button to fix.
- 6. When "UPPER LIMIT ▼ " is selected (valid during heating)
 - (1) Indication: " $\bigcirc \lor \land$ SET UP" \rightarrow "UPPER 30°C \lor "
 - (2) Select the upper limit value with temperature setting button \bigtriangledown . Indication example: "UPPER 26°C $\lor \land$ " (blinking)
 - ③ Press (SET) button to fix. Indication example: "UPPER 26°C" (Displayed for two seconds) After the fixed upper limit value displayed for two seconds, the indication will return to "UPPER LIMIT ▼".
- 7. When "LOWER LIMIT ▲" is selected (valid during cooling, dry, fan, automatic)
 - ① Indication: " \bigcirc ∨ ∧ SET UP" → "LOWER 18°C ∧"
 - ② Select the lower limit value with temperature setting button √ △. Indication example: "LOWER 24°C ∨ ∧" (blinking)
 - ③ Press <u>○</u>(SET) button to fix. Indication for example: "LOWER 24°C" (Displayed for two seconds) After the fixed lower limit value displayed for two seconds, the indication will return to "LOWER LIMIT ▼".
- 8. Press ON/OFF button to finish.



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International internatinal international international international	TYPE 1 TYPE 2 TYPE 3 TYPE 4 4POSITION STI FREE STOP LEVEL INPUT PULSE INPUT INVALID VALID		The little right is indicated after running for 180 hours. The little right is indicated after running for 600 hours. The little right is indicated after running for 1000 hours, the hindoor unit will be stopped by compution after 24 hours.	
Incl Incl< Incl< Incl< Incl< Incl Incl Incl	TYPE 1 TYPE 2 TYPE 3 TYPE 4 4POSITION STI FREE STOP LEVEL INPUT PULSE INPUT INVALID VALID		The little right is indicated after running for 180 hours. The little right is indicated after running for 600 hours. The little right is indicated after running for 1000 hours, the hindoor unit will be stopped by compution after 24 hours.	
International Internatinal International International International	TYPE 3 TYPE 4 4POSLTION STI FREE STOP LEVEL INPUT PULSE INPUT INVALID VALID	STOP O	The filter sign is indicated after running for 600 hours. The filter sign is indicated after running for 1000 hours. The filter sign is indicated after running for 1000 hours, then the indoor unit will be stopped by compution after 24 hours. We can have the indoor function "04 ≂77 PISITION".	
Image: Control with the control wi	TYPE 3 TYPE 4 4POSLTION STI FREE STOP LEVEL INPUT PULSE INPUT INVALID VALID	STOP O	The filter sign is indicated after running for 1000 hours. The filter sign is indicated after running for 1000 hours, then the indoor unit will be stopped by compulsion after 24 hours. If you chance the indoor function '04 - 5元 PRSITION'.	
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Image: Constraint of the constraint of theconstraint of the constraint of the constraint of the c	FREE STOP LEVEL INPUT PULSE INPUT INVALID VALID		You can select the louver stop position in the four.	
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International internate international international international internation			Permission/pronibition control of operation will be valid.	
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■ DE EXERCITION Partode thermittor is not working. ESCENT ST Partode thermittor is not working. Partode thermittor is not working. Partode thermittor is working. PARTODE THERMITTOR ISSEED THE	VALID		With the VRF series, it is used to stop all indoor units connected with the same outdoor unit immediately.	
BESTRER (FF C) Renote hermitiator is working. BestRER (FF C) BESTRER (FI) Renote hermitiator is working. BestRER (FF C) Renote hermitiator is working. BESTRER (FF C) BESTRER (FI) Renote hermitiator is working. and to be set for producing +3.0°C increase in temperature. BESTRER (FF C) Renote hermitiator is working. and to be set for producing +3.0°C increase in temperature. FS BESTRER (FI) Renote hermitiator is working. and to be set for producing +3.0°C increase in temperature. FS FS<			When stop signal is inputed from remote on-off terminal "CNT-6", all indoor units are stopped immediately	
BESTERE RI Renote thermittor is working, and to be set for producing -3.0 C increase in temperature. Increase in temperature. BESTERE F2DD: Renote thermittor is working, and to be set for producing -3.0 C increase in temperature. Increase in temperature. BESTERE F2DD: Renote thermittor is working, and to be set for producing -3.0 C increase in temperature. Increase in temperature. BESTERE F2DD: Renote thermittor is working, and to be set for producing -3.0 C increase in temperature. Increase in temperature. BESTERE F1DD: Renote thermittor is working, and to be set for producing -3.0 C increase in temperature. Increase in temperature. BESTERE F1D: Renote thermittor is working, and to be set for producing -3.0 C increase in temperature. Increase in temperature. INVENT LINK SET INVENT INVENT In case of Single split series, by connecting ventilation device to CNT of the indoor printed circuit board (in case of VIFF series, by connecting ventilation device to CNT of the indoor printed circuit board (in case of VIFF series, by connecting ventilation device to CNT of the indoor printed circuit board (in case of VIFF series, by connecting ventilation device to CNT of the indoor printed circuit board (in case of VIFF series, by connecting ventilation device to CNT of the indoor printed circuit board (in case of VIFF series, by connecting ventilation of set temperature. Into VIFI VIIIN. II INVENT LINK SET INVENT VINUT In case of Single split series, b				
BERRER 10D: Renote hermition is working, and to be set to producing -10 C increase in temperature. BERRER 10D: Renote hermition is working, and to be set to producing -10 C increase in temperature. BERRER 20D: Renote hermition is working, and to be set to producing -20 C increase in temperature. BERRER 20D: Renote hermition is working, and to be set to producing -20 C increase in temperature. BERRER 20D: Renote hermition is working, and to be set to producing -20 C increase in temperature. BERRER 20D: Renote hermition is working, and to be set to producing -20 C increase in temperature. BERRER 20D: Renote hermition is working, and to be set to producing -20 C increase in temperature. BERRER 20D: Increase of Single split series, by connecting ventilation device to CNT of the indoor printed circuit board (in case of Single split series, by connecting ventilation device to CNT of the indoor printed circuit board (in case of Single split series, by connecting ventilation device to CNT of the indoor printed circuit board (in case of Single split series, by connecting ventilation device to CNT of the indoor printed circuit board (in case of Single split series, by connecting ventilation device to CNT of the indoor printed circuit board (in case of Single split series, by connecting ventilation device to temperature. 12 TIDE VENT LINK In case of Single split series, by connecting ventilation device to temperature. 13 I/ON VENT LINK In case of Single split series, by connecting	OFFSET +3.0%		To be reset for producing +3.0°C increase in temperature during heating.	
BERRER 10D: Renote hermition is working, and to be set to producing -10 C increase in temperature. BERRER 10D: Renote hermition is working, and to be set to producing -10 C increase in temperature. BERRER 20D: Renote hermition is working, and to be set to producing -20 C increase in temperature. BERRER 20D: Renote hermition is working, and to be set to producing -20 C increase in temperature. BERRER 20D: Renote hermition is working, and to be set to producing -20 C increase in temperature. BERRER 20D: Renote hermition is working, and to be set to producing -20 C increase in temperature. BERRER 20D: Renote hermition is working, and to be set to producing -20 C increase in temperature. BERRER 20D: Increase of Single split series, by connecting ventilation device to CNT of the indoor printed circuit board (in case of Single split series, by connecting ventilation device to CNT of the indoor printed circuit board (in case of Single split series, by connecting ventilation device to CNT of the indoor printed circuit board (in case of Single split series, by connecting ventilation device to CNT of the indoor printed circuit board (in case of Single split series, by connecting ventilation device to CNT of the indoor printed circuit board (in case of Single split series, by connecting ventilation device to temperature. 12 TIDE VENT LINK In case of Single split series, by connecting ventilation device to temperature. 13 I/ON VENT LINK In case of Single split series, by connecting	OFFSET +2.0%		To be reset for producing +2.0 °C increase in temperature during heating.	
BEREER 10D: Annote hermittor is working, and to be set to producing -10 C horase in temperature. BEREER 20D: Annote hermittor is working, and to be set to producing -30 C horase in temperature. ID [AUTD RESTART] None thermittor is working, and to be set to producing -30 C horase in temperature. ID [AUTD RESTART] None thermittor is working, and to be set to producing -30 C horase in temperature. ID [AUTD RESTART] In case of Single split series, by connecting ventilation device to CNT of the indoor printed circuit board (in case of VFF series, by connecting ventilation device is linked with the operation of indoor runt. ID [INF ILINK In case of Single split series, by connecting ventilation device is linked with the operation of indoor runt. ID [INF ILINK In case of VFF series, C promoting ventilation device is linked with the operation of indoor runt. ID [INF ILINK In case of VFF series, C promoting ventilation device is linked with the operation of indoor runt. ID [INF ILINK INF ILINK ID [INF ILINK] INF INF ILINK ID [INF ILINK] INF	NO OFFSET	0	To be reset for producing +1.0 °C increase in temperature during heating.	
ID_IAUTO RESTART Bernote thermistor is working, and to be set for producing '3.0.° Chorease in temperature. 9 IEETLERN ALIT TEM ID_IAUTO RESTART INVENT ID INVENT ID In case of Single split series, by connecting tentilation device to CNT of the indoor printed circuit baard (in case of VFR series, by connecting it to CND of the indoor printed circuit baard (in case of VFR series, by connecting it to CND of the indoor printed circuit baard (in case of VFR series, by connecting it to CND of the indoor printed circuit baard (in case of VFR series, by connecting it to CND of the indoor printed circuit baard (in case of VFR series, by connecting it to CND of the indoor printed circuit baard (in case of VFR series, by connecting it to CND of the indoor printed circuit baard (in case of VFR series, by connecting it to CND of the indoor printed circuit baard (in case of VFR series, by connecting it to CND of the indoor printed circuit baard (in case of VFR series, by connecting it to CND of the indoor printed circuit baard (in case of VFR series, by connecting it to CND of the indoor printed circuit baard (in case of VFR series, by connecting it to CND of the indoor printed circuit baard (in case of VFR series, by connecting the control. III IFIN SERIES IIII IFIN SERIES IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII				
IO_AUTO RESTRET INVALID IO_AUTO RESTRET INVALID IO_DECLIPATION INVALID <	OFFSET +2.0°c		To be reset producing +2.0°C increase in return air temperature of indoor unit.	
INVENT LINK SET INVENT O NO VENT LINK In case of Single split series, by connecting ventilation device to CNT of the indoor printed circuit board (in case of VRF series, by connecting it to CND of the indoor printed circuit board (in case of VRF series, by connecting it to CND of the operation of ventilation device is to CND of the operation of ventilation device is to CND of the operation of ventilation device is to CND of the operation of ventilation device is the operation of ventilation of set temperature. 12 INEN CHANGE INEN CHANGE If you change the range of set temperature, the indication of set temperature. If Integer meetimeter 13 I.// UFN If all of the first of the bocomes the two speed of the the set of the theory operation. If Integer meetimeter 14 STEP POSITION If you change the reneare the operation of the theory and the accordingly. If If the indeperation of the flow of the theory operation of the theory operation of the theory operation accordingly. If If the independent you operation of the independent you operation of the theory operation of the independevice is themoperation. If If the independent y	OFFSET + 1.5% OFFSET + 1.0%		To be reset producing +1.5'C increase in return air temperature of indoor unit. To be reset producing +1.0'C increase in return air temperature of indoor unit.	
NO VENT LINK In case of Single split series, by connecting ventilation device to CNT of the indoor printed circuit board (in case of VFF series, by connecting it to CND of the indoor printed circuit board (in case of VFF series, by connecting it to CND of the indoor printed circuit board (in case of VFF series, by connecting it to CND of the indoor printed circuit board (in case of VFF series, by connecting it to CND of the indoor printed circuit board (in case of VFF series, by connecting it to CND of the indoor printed circuit board (in case of VFF series, by connecting it to CND of the indoor printed circuit board (in case of VFF series, by connecting it to CND of the indoor printed circuit board, by conclusing the control. 12 ITBP FRMEE SET ININ CHMAGE If you change the range of set temperature, the indication of set temperature will not vary following the control. and keep the set temperature. 11 ITBRST REVENTION 13 IZ/ITFAN If Afford fails becomes the two speed of Xeet Afford. Xeet Afford Aff	NO OFFSET	0	to be reset producing +1.0 C increase in return an temperature of indoor drin.	
H0 YENT	OFFSET - 1.0%		To be reset producing -1.0 °C increase in return air temperature of indoor unit. To be reset producing -1.5 °C increase in return air temperature of indoor unit.	
VENT LINK In case of Single split series, by connecting ventilation device to CNT of the series, by connecting it to CNO of the indoor printed circuit board (nase of VFF series, by connecting it to CNO of the indoor printed circuit board), the operation of indoor ventilation device is linked with the operation of indoor on init. 12 ITOP FONDERSE In case of Single split series, by connecting it to CNO of the indoor printed circuit board), the operation of indoor of the indoor printed circuit board, you can operate and indoor device is linked with the operation of indoor of the indoor printed circuit board, you can operate indo indoor device is linked with the operation of indoor device is linked with the operation of indoor of the indoor printed circuit board), you can operate indo in the endoor printed circuit board, you can operate indo in the endoor printed circuit board, you can operate indo indoor of the indoor printed circuit board, you can operate and of set remperature, the indication of set temperature, indoor of into form the operator of indoor of the indoor printed circuit board, you can operate and of the endoor printed circuit based in the set (indoor in the indoor indoor of the indoor indoor indoor of the indoor indoor indoor of the indoor indoor indoor of the indoor indoor indoor of the indoor indoor of the indoo	OFFSET -1.5%		To be reset producing -1.5°C increase in return air temperature of indoor unit. To be reset producing -2.0°C increase in return air temperature of indoor unit.	
Information Information of the present of information of the section of the information	UPPact =2.00	·	To be reset producing -2.0 C increase in return air temperature of indoor unit.	
Information Information of the present of information of the section of the information	LOW FAN SPEED	DO	When heating thermostat is OFF, fan speed is low speed.	
NU VENT LINK In case of Single spit series, by connecting vertiliation device to CNT of the indoor printed direct printed of CNT of the indoor printed direct printed in CNT of the indoor printed direct printed in CNT of the indoor printed direct printed of CNT of the indoor printed direct printed of CNT of the indoor printed direct printed in CNT of the indoor printed direct printed in CNT of the indoor printed dirent printed direct printed in CNT of the indoor prin	SET FAN SPEED		When heating thermostat is OFF, fan speed is set speed.	
IDPERANCE SET INVENT LINK circuit basel (in case dVRF seise, by coinciding it to CND of the indoor printed circuit. 12 ITMP RAVEE SET INVENT LINK bit coincit basel (in case dVRF seise, by coinciding it to CND of the indoor printed circuit. 13 ILVERT RAVEE IV our change the range of set temperature, the indication of set temperature will vary following the control, and keep the set temperature. it it 13 ILVERN Hour Change the range of set temperature, the indication of set temperature will not vary following the control, and keep the set temperature. it it 13 ILVERN Hour Change the range of set temperature. it it it 14	INTERMITTENCE	DE .	When heating thermostat is OFF, fan speed is operated intermittently.	
12 ITROF RAVES ST	FAN OFF		When heating thermostat is OFF, the fan is stopped.	
12 ITEMP RAVER ST If you change the range of set temperature, the indication of set temperature will vary following the control. ************************************			When the remote thermistor is working, "FAN OFF" is set automatically. Do not set "FAN OFF" when the indoor unit's thermistor is working.	
INTERCEPTED Will vary following the control. ************************************			DO HOLSEL FAIN OFF" WHEN THE INDOOR UNIT'S THERMISTOR IS WORKING.	
INDIANGLARNEE If you change the range of statemperature, the indication of set temperature, temperature, the indication of set temperature, t			Change of indoor heat exchanger temperature to start frost prevention control.	
IS IZUTAN will not vary following the contol, and keep the set temperature. IS IZUTAN HE HERD-LD HE for or fain becomes the true speed of X _{eff}	TEMP HIGH TEMP LOW			
Hit -HD-L0 Xi flow of fan becomes the three speed of Xet -Xet -Xet -Xet -Xet -Xet -Xet -Xet	(TEMP LOW	0		
HI-10 Xi / flow of fan becomes the two speed of Xie.4 × Xi / 1. HI-HID Xi / flow of fan becomes the two speed of Xie.4 × Xi / 1. HI-HID Xi / flow of fan becomes the two speed of Xie.4 × Xi / 1. HI-HID Xi / flow of fan becomes the two speed of Xie.4 × Xi / 1. HI-HID Xi / flow of fan becomes the two speed of Xie.4 × Xi / 1. HI-HID Xi / flow of fan becomes the two speed of Xie.4 × Xi / 1. HI-HID Xi / flow of fan becomes the two speed of Xie.4 × Xi / 1. HI-HID Xi / flow of fan becomes the two speed of Xie.4 × Xi / 1. HI-HID Xi / flow of fan becomes the two speed of Xie.4 × Xi / 1. HI-HID Yi / You can select the lower stop position in the four. HIS HI / You / You can stop at any position in the four. HID Yi / You can stop at any position in the four. HID Yi / You			Working only with the Single split series.	
Id Id<	FAN CONTROL O	ON Q	To control frost prevention, the indoor fan tap is raised.	
14 ST_POSTION If you change the remote control function '14 ST_POSTION', you must change the indoor function '14 ST_POSTION', you can select the indoor function', you can', you c	FAN CONTROL O	. OFF		
Interview you must change the indoor function '04 <->POSITION' accordingly. Image: Interview Image: Image		10	Drain pump is run during cooling and dry.	
Image: Provide the index incline "04 <->PRXITION" accordingly. Image: Provide the index incline "04 <->PRXITION" accordingly. Image: Provide the index incline "04 <>>PRXITION" accordingly. Image: Provide the index incline "04 <>>Provide the index incline theindex incline theind theindex incline the index inclin	20		Drain pump is run during cooling, dry and heating.	
IFREE STUP 15 INDERL TYPE The lower can stop at any position. * 14 10 FAN REMAINING 15 INDERL TYPE XX XX XX XX 16 IDDITIONAL CONTROL ANY XX XX XX XX 16 IDDITIONAL CONTROL ANY XX XX XX XX XX 17 INTOVIDUAL O Indoor unit will be operated independently according to the input from external. 15 IF WIRENAININE 17 INTOVIDUAL O Indoor unit will be operated independently according to the input from external. 15 IF WIRENAININE	\$0 AND %		Drain pump is run during cooling, dry, heating and fan.	
IS INDER, TYPE HEAT FUMP # 16 INDER, CHING, SCI INDUCTUON. INDUCTUON. INDUCTUON. 16 INDUCTUON. Indoor unit will be operated independently counting to the kings from external. Into WILLING. 17 INDUCTUON. Indoor unit will be operated independently counting to the kings from external. Into WILLING.	©©CAND⊗ ©CAND⊗AND≷		Drain pump is run during cooling, dry and fan.	
IF INT TWP XX IDEXTRONUL CIVITIES AND XX 16 EXTERNIL CIVITIES AND INDIVIDUAL Indoor unit will be operated independently according to the input from external. TRR R.L. UNITS If you input signal into CnT of the indoor printed circuit board from external. TRR R.L. UNITS If you input signal into CnT of the indoor independently according to the input from external.	\$0 AND %	10	After cooling is stopped is OFF, the fan does not perform extra oneration	
IDUALING ONLY INFORMATION INTERNAL CONTINUE INTERNAL INTERNAL CONTINUE INTERNAL INTERNAL	©©CAND⊗ ©CAND⊗AND≷	Ľ	After cooling is stopped is OFF, the fan does not perform extra operation. After cooling is stopped is OFF, the fan perform extra operation for half an hour.	
INDIVIDUM. If you input signal into CnT of the indoor printed circuit board from external, the * 15 INFRMEMENTING indoor unit will be operated independently according to the input from external. FOR ALL UNITS	© Ó AND % © Ó AND % © Ó AND ≋ NO REMAINING 0.5 HOUR		After cooling is stopped is OFF, the fan perform extra operation for an hour.	
FOR ALL UNITS If you input into CNT of the indoor orinted circuit board from external.	© AND © AND © AND © AND © AND © NO REMAINING 0.5 HOUR 1 HOUR		After cooling is stopped is OFF, the fan perform extra operation for six hours.	
FOR ALL UNITS If you input into CNT of the indoor printed circuit board from external, all units which	© Ó AND % © Ó AND % © Ó AND ≋ NO REMAINING 0.5 HOUR	10	After heating is stopped or heating thermostat is OFF, the fan does not perform extra operation.	
	© AND © AND © AND © AND © AND © NO REMAINING 0.5 HOUR 1 HOUR	1 O b	After heating is stopped or heating thermostat is OEE the fan perform extra operation for half an hour.	
connect to the same remote control are operated according to the input from external.	IND REMAINING O.S. HOUR I HOUR I HOUR I HOUR I HOUR I HOUR I HOUR I HOUR		After heating is stopped or heating thermostat is OFF, the fan perform extra operation for two hours.	
17 ROW HOR HOUGHTOWSET	IND REMAINING OLS HOUR IND REMAINING OLS HOUR I HOUR I HOUR NO REMAINING OLS HOUR 2 HOUR		After heating is stopped or heating thermostat is OFF, the fan perform extra operation for six hours.	
INDICATION ON In normal working indication, indoor unit temperature is indicated instead of air flow.	IND REMAINING O.S. HOUR I HOUR I HOUR I HOUR I HOUR I HOUR I HOUR I HOUR			
(Only the master remote control can be indicated)	IND REMAINING OLS HOUR IND REMAINING OLS HOUR I HOUR I HOUR NO REMAINING OLS HOUR 2 HOUR		During heating is stopped or heating thermostat is OFF, the fan perform intermittent operation for five min	
	STO AND XX STO AND XX AND XX STO AND XX		with low fan speed after twenty minutes' OFF.	
INDIGATION OFF Heating preparation indication should not be indicated	IS O AND X: IS O AND X: AND X IS O AND X: IS O AND X: IND REMAINING OLS HOUR I HOUR I HOUR OLS HOUR 2 HOUR C HOUR C HOUR IND REMAINING ZOWINGFT SAINONS ZOWINGFT SAINONS		musicon non opece and referring minutes or r . During heating is storged as heating thermaetet is OEE, the fee earliers intermittent as a transferring of the	
To pressure control + EET Heating preparation indication should not be indicated. * 17 Pressure control * 1	CANDIX CANDIX		During heating is stopped or heating thermostat is OFF, the fan perform intermittent operation for five min	
Temperature indication is by degree C.	COMPOSE COMPOS		with own an speed after fivenity minutes OFF. During heating is stopped or heating thermostat is OFF, the fan perform intermittent operation for five min with low fan speed after five minutes' OFF.	
Temperature indication is by degree F.	COMPOSE COMPOSE COMPOSE COMPOSE COMPOSE NO REPAINING COSTAUR LINUR COSTAUR		During heating is stopped or heating thermostat is OFF, the fan perform intermittent operation for five minu with low fan speed after five minutes' OFF.	
	COMPOSE COMPOS		During heating is stopped or heating thermostat is OFF, the fan perform intermittent operation for five minu	

How to set function

Stop air-conditioner and press O(SET) (MODE) buttons at the same time for over three seconds, and the "FUNCTION SET ▼" will be displayed.

FUNCTION SET	₹

2. Press O(SET) button.

5. Press O (SE

- 3. Make sure which do you want to set, "■ FUNCTION ▼" (remote control function) or "I/U FUNCTION ▲" (indoor unit function).
- 4. Press ▲ or ▼ button. Selecct "■ FUNCTION ▼" (remote control function) or "I/U FUNCTION **▲**" (indoor unit function).

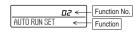
	FUNCTION	Ţ
T) button.		
r) button.	I/U FUNCTION	≜

6. [On the occasion of remote control function selection]

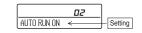
IDATA LOADING" (Indication with blinking)

Display is changed to "01 ⊕ VIA ESP SET".

Press or button. "No. and function" are indicated by turns on the remote control function table, then you can select from them. (For example)



③ Press (SET) button. The current setting of selected function is indicated. (for example) "AUTO RUN ON" \leftarrow If "02 AUTO RUN SET" is selected



④ Press ▲ or ▼ button. Select the setting.



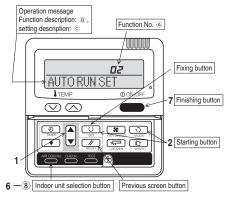
⑤ Press ◯◯ (SET)

"SET COMPLETE" will be indicated, and the setting will be completed. Then after "No. and function" indication returns, Set as the

same procedure if you want to set continuously ,and if to finish, go to 7.

		02
SET	COMPLETE	

7. Press ON/OFF button. Setting is finished.



[On the occasion of indoor unit function selection]

① "DATA LOADING" (Blinking for 2 to 23 seconds to read the data)

Indication is changed to "02 FAN SPEED SET". Go to 2.

[Note]

(1) If plural indoor units are connected to a remote control, the indication is "I/U 000" (blinking) \leftarrow The lowest number of the indoor unit connected is indicated.



(2) Press (or V button. Select the number of the indoor unit you are to set If you select "ALL UNIT \checkmark ", you can set the same setting with all unites. (3) Press O(SET) button.

Press or button.

"No. and function" are indicated by turns on the indoor unit function table, then you can select from them. (For example)

	02 ←	- Function No
FAN SPEED SET	←	Function

③ Press <u>(SET)</u> button. The current setting of selected function is indicated. (For example) "STANDARD" ← If "02 FAN SPEED SET" is selected.

	02		
STANDARD	←	╞	Setting

④ Press ▲ or ▼ button.

Select the setting

S Press (SET) button. "SET COMPLETE" will be indicated, and the setting will be

completed. Then after "No. and function" indication returns, set as the same

procedure if you want to set continuously , and if to finish, go to 7.

02 SET COMPLETE

When plural indoor units are connected to a remote control, press the <u>AIR CON No.</u> button, which allows you to go back to the indoor unit selection screen. (example "I/U 000 ▲")

It is possible to finish by pressing ON/OFF button on the way, but unfinished change of setting is unavailable.

- During setting, if you press (//)(RESET) button, you return to the previous screen.
- Setting is memorized in the control and it is saved independently of power failure.

[How to check the current setting]

When you select from "No. and funcion" and press set button by the previous operation, the "Setting" displayed first is the current setting.

(But, if you select "ALL UNIT **V** ", the setting of the lowest number indoor unit is displayed.)

(c) Operation and setting from wired remote control

Blank : Not compatible — : No function on remote control ○ : Correspondence △ : Corresponding part

			\triangle : Corresponding part		
	Setting & d	isplay item	Description	RC-EX3A	RC-E5
	emote control network Control plural indoor units b	y a single remote control	A remote control can control plural indoor units up to 16 (in one group of remote control network).	0	0
2	Main/sub setting of remote c	controls	An address is set to each indoor unit. A pair of remote controls (including optional wireless remote control) can be connected within the remote control	-	-
	OP scrren, Switch manipulation		network. Set one to "Main" and the other to "Sub".	0	0
1	Menu		"Control", "State", or "Details" can be selected. (3-8)	0	-
	Operation mode Set temp.		"Cooling", "Heating", "Fan", "Dry" or "Auto" can be set. "Set temperature" can be set by 0.5°C interval.	0	
	Air flow direction		"Air flow direction" [Individual flap control] can be set.	0	
5	Fan speed		Select Enable or Disable for the "3D AUTO". "Fan speed" can be set.	0	
6	Timer setting		"Timer operation" can be set.	Ō	0
	ON/OFF F1 SW		"On/Off operation of the system" can be done. The system operates and is controlled according to the function specified to the F1 switch.	0	0
9	F2 SW		The system operates and is controlled according to the function specified to the F2 switch.	0	-
	seful functions Individual flap control		The moving range (the positions of upper limit and lower limit) of the flap for individual flap can be set.		
2	Anti draft setting When the panel with the anti	1	When the panel with the anti draft function is assembled, select to Enable or Disable the anti draft setting for each operation mode and for each blow outlet.		
3	Timer settings	Set On timer by hour	The period of time to start operation after stopping can be set. The period of set time can be set within range of 1hour-12houres (1hr interval). The operation mode, set temp. and fan speed at starting operation can be set.		-
		Set Off timer by hour	The period of time to stop operation after starting can be set. • The period of set time can be set within range of 1hour-12houres (1hr interval).	0	0
		Set On timer by clock	The clock time to start operation can be set. • The set clock time can be set by 5 minutes interval.		0
			 [Once (one time only)] or [Everyday] operation can be switched. The operation mode, set temp and fan speed at starting operation can be set. 		
		Set Off timer by clock	The clock time to stop operation can be set. • The set clock time can be set by 5 minutes interval. • [Once (one time only]) or [Everyday] operation can be switched.	0	0
		Confirmation of timer settings	Status of timer settings can be seen.	0	-
4	Favorite setting [Administrator password]		Set the operation mode, setting temperature, air flow capacity and air flow direction for the choice setting operations. Set them for the Favorite set 1 and the Favorite set 2 respectively.	. 0	-
5	Weekly timer		On timer and Off timer on weekly basis can be set. * 8-operation patterns per day can be set at a maximum. * The setting clock time can be set by 5 minutes interval. + Holiday setting is available.	0	0
6	6 Home leave mode [Administrator password] 7 External Ventilation When the ventilator is combined.		 The operation mode, set temp and fan speed at starting operation can be set. When leaving home for a long period like a vaction leave, the unit can be operated to maintain the room temperature 	,	
			not to be hotter in summer or not to be colder in winter. • The judgment to switch the operation mode (Cooling ⇔Heating) is done by the both factors of the set temp. and outdoor air temp. • The set temp. and fan speed can be set.	r O	-
7			On/Off operation of the external ventilator can be done. It is necessary to set from [Menu] \Rightarrow [Service setting] \Rightarrow [R/C function settings] \Rightarrow [Ventilation setting]. • If the "Independent" is selected for the ventilation setting, the ventilator can be operated or stopped.	0	0
8	Select the language		Select the language to display on the remote control. • Select from English, German, French, Spanish, Italian, Dutch, Turkish, Portuguese, Russian, Polish, Japanese and Chinese.	0	-
	Look, look		Indoor temperature, outdoor temperature and power consumption are indicated.	\triangle	-
10	Power consumption indication)n	The power consumption of today, this week and this year is indicated by a chart. It is possible to compare with yesterday, last week and last year. • This item may not indicate depending on indoor and outdoor units which are combined.	0	-
	nergy-saving setting		Administrator password		
1	Sleep timer		To prevent the timer from keeping ON, set hours to stop operation automatically with this timer. • The selectable range of setting time is from 30 to 240 minutes. (10 minutes interval) • When setting is "Enable", this timer will activate whenever the ON timer is set.	0	-
2	2 Peak-cut timer		Power consumption can be reduced by restructing the maximum capacity. Set the [Start time], the [End time] and the capacity limit % (Peak-cut %). • 4-operation patterns per day can be set at maximum. • The setting time can be changed by 5-minutes interval. • The selectable range of capacity limit % (Peak-cut %) is from 0% to 40-80% (20% interval). • Holiday setting is available.	0	_
3	Automatic temp. set back		After the elapse of the set time period, the current set temp. will be set back to the [Set back time.] • The setting can be done in cooling and heating mode respectively. • Selectable range of the set time is from 20 min. to 120 min. (10 min. interval). • Set the [Set back temp.] by 1°C interval.	0	-
	4 Infrared sensor control (Motion sensor control) When the panel with the infrared sensor (motion sensor) is assembled.		When the infrared sensor (motion sensor) is used, it is necessary to set Enable or Disable for the "Power control" and the "Auto-off".	0	-
	lter Filter sign reset	Filter sign reset	The filter sign can be reset.	+	
		Setting next cleaning date	The next cleaning date can be set.		
	ser setting Internal settings	Clock setting	The current date and time can be set or revised. • If a power failure continues no longer than 80 hours, the clock continues to tick by the built-in power source.	0	-
		Date and time display	[Display] or [Hide] the date and/or time can be set, and [12H] or [24H] display can be set.	0	-
		Summer time Contrast	When select [Enable], the +1hour adjustment of current time can be set. When select [Disable], the [Summer time] adjustment can be reset. The contrast of LCD can be adjusted higher or lower.	0	-
		Backlight	Switching on/off a light can be set and period of the lighting time can be set within the range of 5sec-90 sec (5sec interval).	. Ö	-
			It can set with or without [Control sound (beep sound)] at touch panel.	0	- 1

Setting & display item		Description			
2 Administrator settings [Administrator password]	Permission/Prohibition setting	Permission/Prohibition setting of operation can be set, [On/Off] [Change set temp] [Change operation mode] [Change flap direction] [Change fan speed] [High power operation] [Energy-saving operation] [Timer] Request for administrator can be set. [Individual flap control] [Weekly timer] [Select the language] [Anti draft setting]	0	-	
	Outdoor unit silent mode timer	The period of time to operate the outdoor unit by prioritizing the quiteness can be set. • The [Start time] and the [End time] for operating outdoor unit in silent mode can be set. • The period of the operation time can be set once aday by 5 minutes interal.	0	0	
	Setting temp. range	The upper/lower limit of temp. setting range can be set. • The limitation of indoor temp. setting range can be set for each operation mode in cooling and heating.	0	0	
	Temp increment setting	The temp increment setting can be changed by 0.5°C or 1.0°C.	0	0	
	Set temp. display	Ways of displaying setting temperatures can be selected.	0	0	
	R/C display setting	Register [Room name] [Name of I/U] Display [Indoor temp. display] or not. Display [Error code display] or not. Display [Heating stand-by display] [Defrost operation display] [Auto cooling/heating display] [Display temp of R/C, Room, Outdoor] or not	0	_	
	Change administrator password	The administrator password can be changed. (Default setting is "0000") The administrator password can be reset.	0	-	
	F1/F2 function setting	Functions can be set for F1 and F2. Selectable functions: [High power operation], [Energy-saving operation], [Silent mode cont.], [Home leave mode], [Favorite set 1], [Favorite set 2] and [Filter sign reset].	0	_	
Service setting 1 Installer settings [Service password]	Installation date	The [Installation date] can be registed. • When registering the [Instaration date], the [Next service date] is displayed automatically. (For changing the [Next service date], please refer the item of [Service & Maintenance])	0	_	
	Company information	The [Company] can be registed and can be displayed on the R/C. • The [Company] can be registered within 26 characters. • The [Phone No.] can be registed within 13 digits.	0	-	
	Test run	On/Off operation of the test run can be done.	0	0	
	Cooling test run Drain pump test run	The [Cooling test run] can be done at 5°C of set temp. for 30 minutes. Only drain pump can be operated.			
	Static pressure adjustment	In case of combination with only the ducted indoor unit which has a function of static pressure adjustment, the static pressure is adjustable. • It can be set for each indoor unit individually.		_	
	Change auto-address Address setting of main IU	The set address of each indoor unit decided by auto-address setting method can be changed to any other address. Main indoor unit address can be set.		_	
	Address setting of main 10	 Only the Main indoor unit can change operation mode and the Sub indoor units dominated by the Main indoor shall follow. The Main indoor unit can domain 10 indoor units at a maximum. 		_	
	IU back-up function	When a pair of indoor units (2 groups) is connected to one unit of remote control, it can be set Enable or Disable for the [IU rotation], [IU capacity back-up] and [IU fault back-up]	0	_	
	Infrared sensor setting (Motion sensor setting) When the panel with the infrared sensor (motion sensor) is assembled.		0	_	
	Grill lifting operation	Set enable for automatic lifting panel operation. When automatic lifting panel is assembled.			
2 R/C function setting	Main/Sub R/C	The R/C setting of [Main/Sub] can be changed.	0	_	
[Service password]	Return air temp.	When two or more indoor units are connected to one unit of remote control, suction sensors, which are used for the judgement by thermostat, can be selected. • It can be selected from [Individual], [Master IU] and [Average temp].	0	-	
	R/C sensor	It can be set the mode to switch to the remote control sensor. It can be selected from cooling and heating.	0		
	R/C sensor adjustment Operation mode	The offset value of [R/C sensor] sensing temp. can be set respectively in heating and cooling. Enable or Disable can be set for each operation mode.	0		
	°C / °F	Set the unit for setting temperatures.	0	0	
	Fan speed	[•] °C or °F can be selected. Fan speeds can be selected.	0	_	
	External input	When two or more indoor units are connected to one unit of remote control, the range to apply CnT inputs can be set.	Ō	0	
	Upper/lower flap control	[Stop at fixed position] or [Stop at any position] can be selected for the upper and lower louvers.	0	0	
	Left/right flap control	[Fixed position stop] or [Stop at any position] can be selected for the right and left louvers. Combination control for ventilator can be set.	0	-	
	Ventilation setting Auto-restart	The operation control method after recovery of power failure happened during operation can be set.	0	0	
	Auto temp. setting	[Enable] or [Disable] of [Auto temp. setting] can be selected.	Ŏ	-	
	Auto fan speed	[Enable] or [Disable] of [Auto fan speed] can be selected.	0	-	
3 IU settings	Fan speed setting	The fan speed for indoor units can be set. The setting of filter sign display timer can be done from following patterns.		_	
[Service password]	Filter sign External input 1	The connect of control by external input 1 can be changed.	Δ		
[Service password]	External input 1 signal	The type of external input 1 signal can be changed.	0	0	
	External input 2	The connect of control by external input 2 can be changed.		-	
	External input 2 signal	The type of external input 2 signal can be changed.		-	
		The judgement temp. of heating themo-off can be adjusted within the range from 0 to $+3^{\circ}C(1^{\circ}C \text{ interval})$.			
	Return temperature adjustment	The sensing temp. of return air temp. sensor built in the indoor unit can be adjusted within the range of ±2°C. Fan control, when the cooling thermostat is turned OFF, can be changed.		i	
	Fan control in heating thermo-OFF	Fan control, when the beating thermostat is turned OFF, can be changed.	Δ		
	Anti-frost temp.	Judgment temperature for the anti-frost control during cooling can be changed.			
	Anti-frost control Drain pump operation Keep fan operating after cooling	When the anti-frost control of indoor unit in cooling is activated, the fan speed can be changed. In any operation mode in addition to cooling and dry mode, the setting of drain pump operation can be done. The time period residual fan operation after stopping or thermo-off in cooling mode can be set.			
	is stopped Keep fan operating after heating is stopped	The time period residual fan operation after stopping or thermo-off in heating mode can be set.			
	Intermittent fan operation in heating Fan circulator operation	In case that the fan is operated as the circulator, the fan control rule can be set.			
	Control pressure adjust Auto operation mode Thermo. rule setting	When only the OA processing units are operated, control pressure value can be changed. The [Auto rule selection] for switching the operation mode automatically can be selected from 3 patterns. When selecting [Outdoor air temp, control], the judgment temp can be offset by outdoor temp			
	Auto fan speed control IU overload alarm	Auto switching range for the auto fan speed control can be set. If the difference between the setting temperature and the suction temperature becomes larger than the temperature difference set for the overload alarm, at 30 minutes after the start of operation, the overload alarm signal is transmitted from the external network (or 25).	0	-	
	External output setting *1	output (CnT-5). Functions assigned to the external outputs 1 to 4 can be changed.	Δ		

Setting & display item		y item	Description	RC-EX3A	RC-E5
4 Service & Maintenance [Service password]	IU address		Max 16 indoor units can be connected to one remote control, and all address No. of the connected indoor units can be displayed. • The indoor unit conforming to the address No. can be identified by selecting the address No. and tapping [Check] to operate the indoor fan.	0	_
for the former of	Ne	ext service date	The [Next service date] can be registered. • The [Next service date] and [Company information] is displayed on the message screen.	0	-
	O	peration data	The [Operation data] for indoor unit and outdoor unit can be displayed.	0	0
	Er	ror display			
		Error history	The error history can be displayed.	1	
		Display anomaly data	The operation data just before the latest error stop can be displayed.		\triangle
		Erase anomaly data	Anomaly operation data can be erased.	1	
		Reset periodical check	The timer for the periodical check can be reset.	1	
		ving IU settings	The I/U settings memorized in the indoor PCB connected to the remote control can be saved in the memory of the remote control.	0	-
		ecial settings	[Erase IU address] [CPU reset] [Restore of default setting] [Touch panel calibration]	0	\triangle
	In	door unit capacity display	Address No. and capacities of indoor units connected to the remote control are displayed.	0	-
8.Contact company			Shows registered [Contact company] and [Contact phone].	0	-
9.Inspection					
Confirmation of Inspection	n		This is displayed when any error occurs.	0	-
10.PC connection					
USB connection			Weekly timer setting and etc., can be set from PC.	0	-

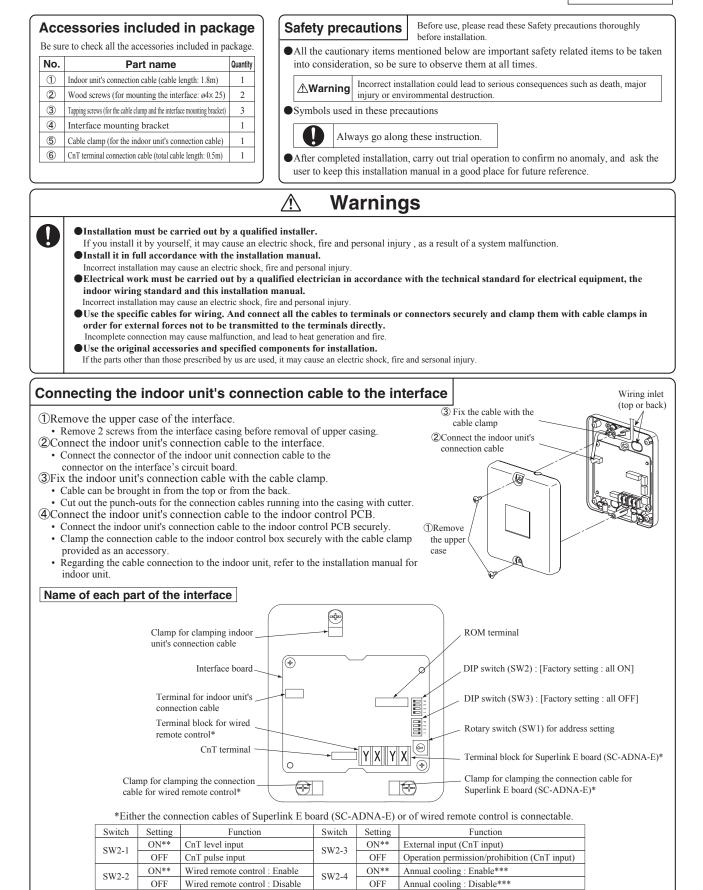
Listed items may not function depending on the specifications of indoor and outdoor units which are combined.
*1 It supports only following functions.
Operation output / Heating output / Compressor ON output / Inspection (Error) output / Cooling output / Fan operation output 1 / Fan operation output 2 / Fan operation output 3 / Defrost/oil return output

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

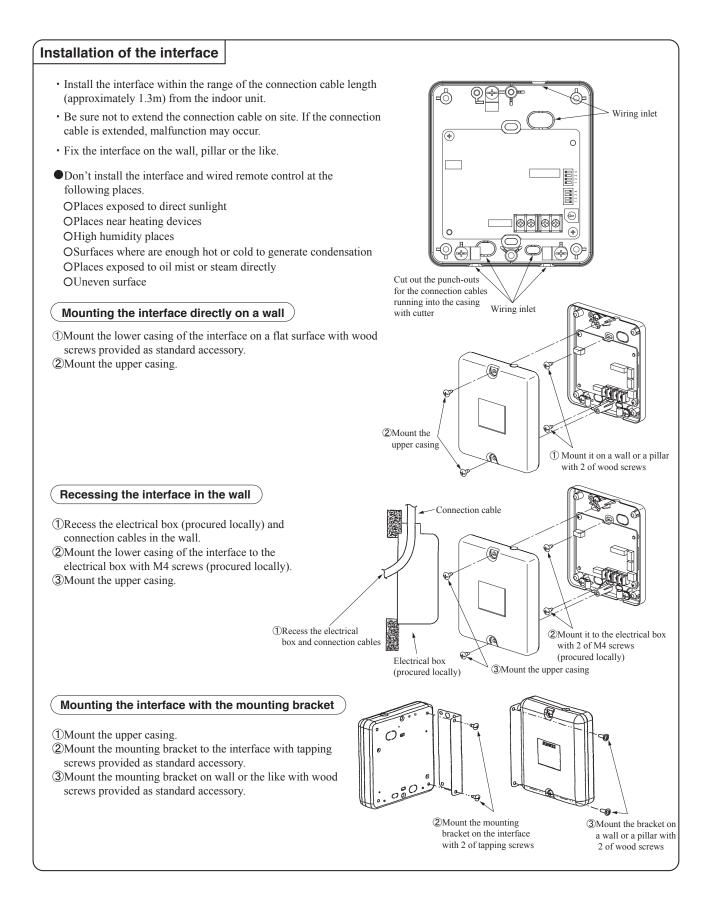
** Factory setting

* When RC-EX3A is connected, please use SC-BIKN2-E by all means.

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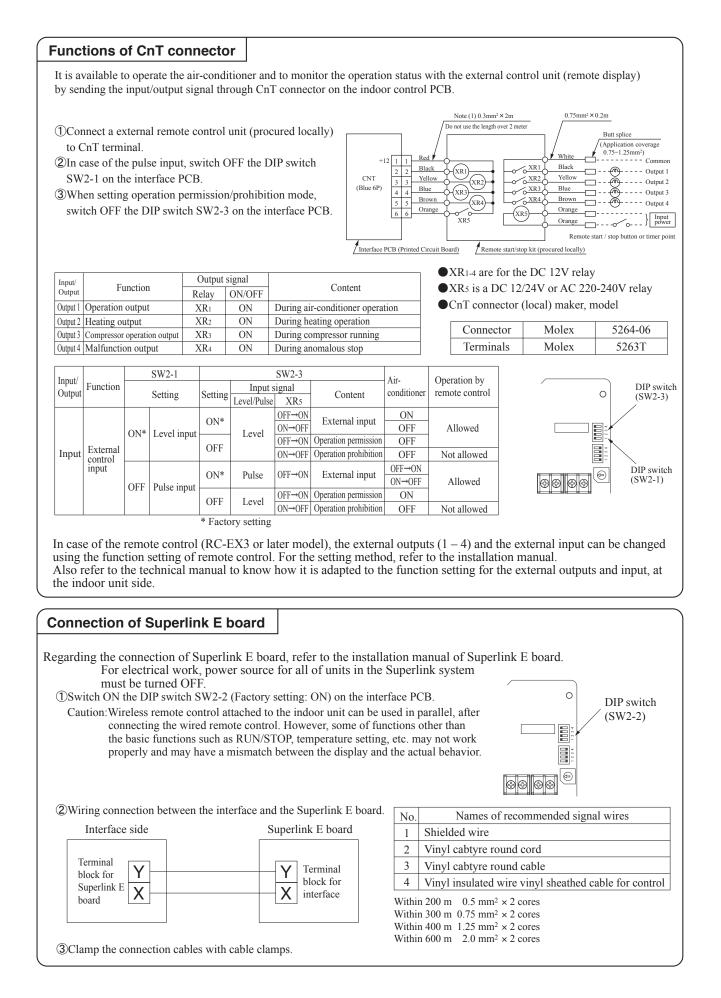


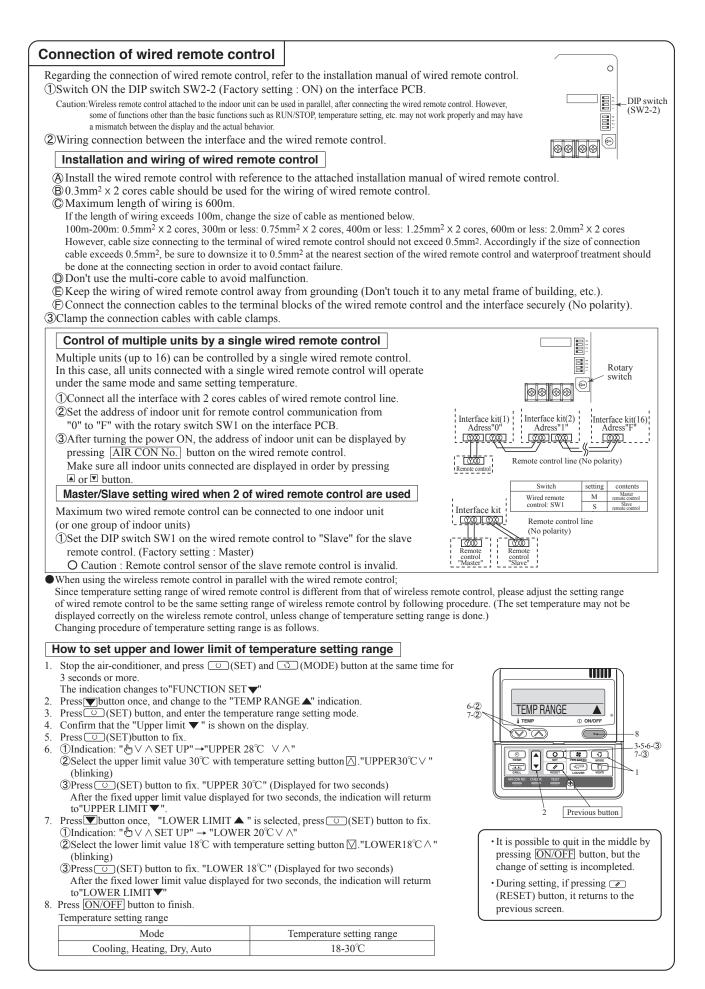
*** Indoor fan control at low outdoor air temperature in cooling



Installation check items

□ Are the connection cables connected securely to the terminal blocks and connectors?
 □ Are the thickness and length of the connection cables conformed with the standard?





PJZ012D029K 🕅

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

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



• Carefully read "Safety precautions" first. Follow the instructions for installation.

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

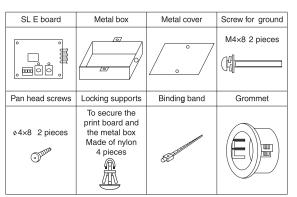
Warning

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

1 Application

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

2 Accessories



3 Function

Allowing the central control SL1N-E, SL2NA-E, and SL4-AE/BE to control and monitor the commercial air-conditioner unit.

4 Control switching

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

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

∕∧Caution

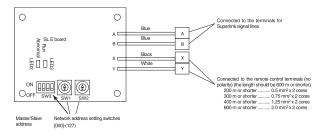
- Provide ground connection. The ground line should never be connected to the gas supply piping, the water supply piping, the lightning conductor rod, nor the telephone ground. If the grounding is improper, it may result in electric shock.
- Do not install the device in the following locations.

 - 1.Where there is mist/spray of oil or steam such as kitchens. 2.Where there is corrosive gases such as sulfurous acid gas.
 - 3.Where there is a device generating electromagnetic waves These may interfere with the control system resulting in the device becoming uncontrollable.
 - 4. Where flammable volatile materials such as paint thinner and gasoline may exist or where they are handled. This may cause a fire.

5 Connection outline

Note for setting the address

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



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

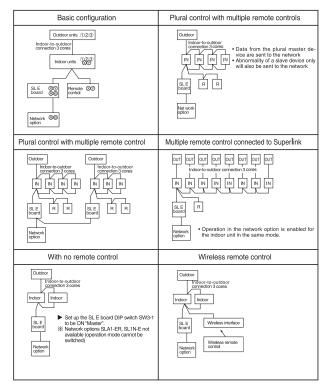
Signal line specification

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

(*2) Up to 1500 m for 0.75 mm², and up to 1000 m for 1.25 mm². Do not use 2.0 mm². It may cause an error.

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

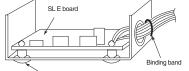
- Set the Superlink network address with SW1 (tens place), SW2 (ones place), and SW3 (hundreds place).
- (2) Set the SL E board SW3-1 to be ON (Master) when using this without any remote control (no wired remote controller nor wireless remote control).
- (3) Set up the plural master/slave device using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



6 Installation

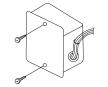
- 1. When using the metal box (mounted on the indoor unit / mounted on the back of the remote control):
 - Mount the SL E board in the metal box using the locking supports.
 Minimum should be through the second state of the stateo
 - (2) Wiring should go through the provided grommet since then through the wiring to the hole on the Metal box.

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

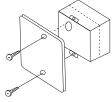


Locking supports (4)

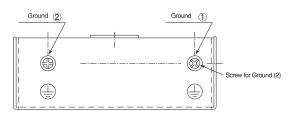
▲ When installed outside the indoor unit, put the metal cover on.



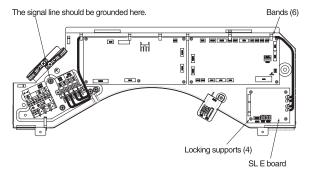
▲ When installed on the back of the remote control, mount it directly on the remote control bottom case.



Connect grounding. Connect grounding for the power line to Ground (1), and grounding for the signal line to Ground (2) or to the Ground on the indoor unit control box.



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



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

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

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

Location of installation

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

7 Indicator display

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

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

15. TECHNICAL INFORMATION

Model SRK20ZSX-WF

Information to identify the model(s) to which			0:	If function includes heating: Indicate the heat			
Indoor unit model name				information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.			
Outdoor unit model name	SRC2025	X-VV		neating season at a time. Include at least the	neating sea	son Average	e.
Function(indicate if present)				Average(mandatory)	Yes		
cooling	Yes			Warmer(if designated)	Yes		
heating	Yes			Colder(if designated)	No		
-							
Item	symbol	value	unit	Item	symbol	value	class
Design load			1	Seasonal efficiency and energy efficiency cla			
cooling	Pdesignc	2.00	kW kW	cooling	SEER SCOP/A	10.00 5.20	A+++ A+++
heating / Average heating / Warmer	Pdesignh Pdesignh	2.80	kW	heating / Average heating / Warmer	SCOP/A	6.70	A+++
heating / Colder	Pdesignh	-	kW	heating / Colder	SCOP/C	-	-
	1 debigiiii			neuting / colder	000170		unit
Declared capacity at outdoor temperature	designh			Back up heating capacity at outdoor tempera	ature Tdesigr	h	
heating / Average (-10°C)	Pdh	2.80	kW	heating / Average (-10°C)	elbu	0	kW
heating / Warmer (2°C)	Pdh	3.70	kW	heating / Warmer (2°C)	elbu	0	kW
heating / Colder (-22°C)	Pdh	-	kW	heating / Colder (-22°C)	elbu	-	kW
Destand and the factor line of independent		0\%0			0.	7(40) 0	
Declared capacity for cooling, at indoor ten outdoor temperature Tj	iperature 27(1	9) C and		Declared energy efficiency ratio, at indoor te outdoor temperature Tj	mperature 21	(19) C and	
Tj=35°C	Pdc	2.00	kW	Tj=35℃	EERd	6.45	-
Tj=30°C	Pdc	1.47	kW	Tj=30°C	EERd	9.29	-
Tj=25°C	Pdc	1.25	kW	Tj=25℃	EERd	13.90	-
Tj=20°C	Pdc	1.36	kW	Tj=20°C	EERd	20.70	-
Declared capacity for heating / Average set		r		Declared coefficient of performance / Average	· ·	indoor	
temperature 20°C and outdoor temperature		0.45	1.047	temperature 20°C and outdoor temperature		0.00	1
Tj=-7°C Tj=2℃	Pdh Pdh	2.40	kW kW	Tj=-7℃ Tj=2℃	COPd COPd	3.20 5.31	-
Ti=7°C	Pan Pdh	0.96	kW	Tj=2 C Tj=7℃	COPd	5.31 6.49	_
Tj=12°C	Pdh	0.96	kW	Tj=7°C Tj=12°C	COPd	8.28	-
Tj=bivalent temperature	Pdh	2.80	kW	Tj=bivalent temperature	COPd	2.79	-
Tj=operating limit	Pdh	2.80	kW	Tj=operating limit	COPd	2.79	-
<u> </u>				3 4 4 5			
Declared capacity for heating / Warmer sea	ason, at indoor	r		Declared coefficient of performance / Warme	er season, at	indoor	
temperature 20°C and outdoor temperature				temperature 20°C and outdoor temperature			
Tj=2°C	Pdh	3.70	kW	Tj=2°C	COPd	3.40	-
Tj=7°C	Pdh	2.40	kW	Tj=7°C	COPd	6.16	-
Tj=12°C	Pdh	1.10	kW	Tj=12°C	COPd	8.21	-
Tj=bivalent temperature Tj=operating limit	Pdh Pdh	3.70 3.70	kW kW	Tj=bivalent temperature Tj=operating limit	COPd COPd	3.40 3.40	-
	Full	3.70	NVV		COFU	3.40	-
Declared capacity for heating / Colder seas	on, at indoor			Declared coefficient of performance / Colder	season, at ir	ndoor	
temperature 20°C and outdoor temperature				temperature 20°C and outdoor temperature			
Tj=-7°C	Pdh	-	kW	Tj=-7°C	COPd	-	-
Tj=2°C	Pdh	-	kW	Tj=2°C	COPd	-	-
Tj=7°C	Pdh	-	kW	Tj=7°C	COPd	-	-
Tj=12°C	Pdh	-	kW	Tj=12°C	COPd	-	-
Tj=bivalent temperature	Pdh	-	kW	Tj=bivalent temperature	COPd	-	-
Tj=operating limit Tj=-15°C	Pdh Pdh	-	kW kW	Tj=operating limit Tj=-15℃	COPd COPd	-	-
1]150	Full	-	KVV	IJ=-15 C	COPU	-	-
Bivalent temperature				Operating limit temperature			
heating / Average	Tbiv	-10	°C	heating / Average	Tol	-10	°C
heating / Warmer	Tbiv	2	°C	heating / Warmer	Tol	2	°C
heating / Colder	Tbiv	-	°C	heating / Colder	Tol	-	°C
Quality as in terms and				Quality interval. (7.1			
Cycling interval capacity	Dover		LAM .	Cycling interval efficiency	EEDour		1
for cooling for heating	Pcycc Pcych	-	kW kW	for cooling for heating	EERcyc COPcyc	<u> </u>	-
	FOYUT		1. 1 1		COFUYC		-
Degradation coefficient				Degradation coefficient			
cooling	Cdc	0.25]	heating	Cdh	0.25	
Electric power input in power modes other			.	Annual electricity consumption	-		
off mode	Poff	4	W	cooling	Qce	70	kWh/a
standby mode thermostat-off mode	Psb Pte(eccline)	4	w	heating / Average	Qhe	754	kWh/a kWh/a
	Pto(cooling) Pto(heating)	11	w	heating / Warmer heating / colder	Qhe Qhe	774	kwh/a kWh/a
crankcase heater mode	Pto(heating) Pck	0	W	Licating / colder			a
		+ ~		I			
Capacity control(indicate one of three option	ns)			Other items			
				Sound power level(indoor)	Lwa	53	dB(A)
				Sound power level(outdoor)	Lwa	56	dB(A)
fixed	No			Global warming potential	GWP	675	kgCO₂eq.
staged	No			Rated air flow(indoor)	-	678	m ³ /h
variable	Yes			Rated air flow(outdoor)	-	1860	m³/h
Contact details for obtaining Name a	nd address of	the manufa	cturer or of it	ts authorised representative.			
-	AE SERVICES			a autoriou representative.			
			1101 CM Ams	sterdam, Netherlands. P.O.Box 23393 1100 DW An	sterdam, Net	herlands	
	ubishi Heavy In						
5 The	Square, Stockle	y Park, Uxbr	idge, Middlese	ex, UB11 1ET,United Kingdom			

Model SRK25ZSX-WF

Information to identify the model(s) to w			If function includes heating: Indicate the he	-			
Indoor unit model name	SRK25ZSX		information relates to. Indicated values sho				
Outdoor unit model name	SRC25ZSX	-W	heating season at a time. Include at least the	he heating sea	ison 'Average'.		
Function(indicate if present)			Average(mandatory)	Yes			
cooling	Yes		Warmer(if designated)	Yes			
heating	Yes		Colder(if designated)	No			
	•		· · · ·				
Item	symbol	value unit	Item	symbol	value class		
Design load	I	0.50 Jun	Seasonal efficiency and energy efficiency o				
cooling	Pdesignc	2.50 kW 3.00 kW	cooling heating / Average	SEER SCOP/A	10.30 A+++ 5.20 A+++		
heating / Average heating / Warmer	Pdesignh Pdesignh	4.20 kW	heating / Warmer	SCOP/A	6.60 A+++		
heating / Colder	Pdesignh	- kW	heating / Colder	SCOP/C			
					unit		
Declared capacity at outdoor temperatu	ire Tdesignh		Back up heating capacity at outdoor tempe	rature Tdesigr	1h		
heating / Average (-10°C)	Pdh	3.00 kW	heating / Average (-10°C)	elbu	0 kW		
heating / Warmer (2°C)	Pdh	4.20 kW	heating / Warmer (2°C)	elbu	0 kW		
heating / Colder (-22°C)	Pdh	- kW	heating / Colder (-22°C)	elbu	- kW		
Declared capacity for cooling, at indoor	temperature 27/10	N°C and	Declared energy efficiency ratio, at indoor	temperature 2	7(19)°C and		
outdoor temperature Tj) o and	outdoor temperature Tj	temperature 21			
Tj=35°C	Pdc	2.50 kW	Tj=35℃	EERd	5.68 -		
Tj=30°C	Pdc	1.84 kW	Tj=30°C	EERd	8.75 -		
Tj=25°C	Pdc	1.27 kW	Tj=25°C	EERd	14.10 -		
Tj=20°C	Pdc	1.40 kW	Tj=20°C	EERd	20.40 -		
Declared cancelly for besting / August	accord at index-		Declared coefficient of performance (A		indoor		
	Declared capacity for heating / Average season, at indoor temperature 20°C and outdoor temperature Tj Declared coefficient of performance / Average season, at indoor temperature 20°C and outdoor temperature Tj						
Tj=-7°C	Pdh	2.61 kW	Tj=-7°C	COPd	3.15 -		
Tj=2°C	Pdh	1.59 kW	Tj=2°C	COPd	5.30 -		
Tj=7°C	Pdh	1.03 kW	Tj=7°C	COPd	6.58 -		
Tj=12°C	Pdh	0.96 kW	Tj=12°C	COPd	8.30 -		
Tj=bivalent temperature	Pdh	3.00 kW	Tj=bivalent temperature	COPd	2.69 -		
Tj=operating limit	Pdh	3.00 kW	Tj=operating limit	COPd	2.69 -		
Declared capacity for heating / Warmer	r season at indoor		Declared coefficient of performance / Warr	mor soason at	indoor		
temperature 20°C and outdoor tempera			temperature 20°C and outdoor temperature		Indoor		
Tj=2°C	Pdh	4.20 kW	Tj=2℃	COPd	3.30 -		
Tj=7°C	Pdh	2.70 kW	Tj=7°C	COPd	5.90 -		
Tj=12°C	Pdh	1.20 kW	Tj=12°C	COPd	8.31 -		
Tj=bivalent temperature	Pdh	4.20 kW	Tj=bivalent temperature	COPd	3.30 -		
Tj=operating limit	Pdh	4.20 kW	Tj=operating limit	COPd	3.30 -		
Declared capacity for heating / Colder s	season at indoor		Declared coefficient of performance / Colde	er season at iu	adoor		
temperature 20°C and outdoor tempera			temperature 20°C and outdoor temperature		10001		
Tj=-7°C	Pdh	- kW	Tj=-7℃	COPd			
Tj=2°C	Pdh	- kW	Tj=2°C	COPd			
Tj=7°C	Pdh	- kW	Tj=7°C	COPd			
Tj=12°C	Pdh	- kW	Tj=12°C	COPd			
Tj=bivalent temperature	Pdh Dah	- kW	Tj=bivalent temperature	COPd			
Tj=operating limit Tj=-15°C	Pdh Pdh	- kW - kW	Tj=operating limit Tj=-15℃	COPd COPd			
1]13 C	Full		1]13 C	COFU	<u> </u>		
Bivalent temperature			Operating limit temperature				
heating / Average	Tbiv	-10 °C	heating / Average	Tol	-10 °C		
heating / Warmer	Tbiv	2 °C	heating / Warmer	Tol	2 °C		
heating / Colder	Tbiv	- °C	heating / Colder	Tol	- °C		
Cycling interval capacity			Cycling interval efficiency				
for cooling	Pcycc	- kW	for cooling	EERcyc			
for heating	Pcych	- kW	for heating	COPcyc	<u>⊢</u> _ .		
		•					
Degradation coefficient	r		Degradation coefficient				
cooling	Cdc	0.25 -	heating	Cdh	0.25 -		
Electric power input in power modes otl	her than 'active mo	de'	Annual electricity consumption				
off mode	Poff	4 W	cooling	Qce	85 kWh/a		
standby mode	Psb	4 W	heating / Average	Qhe	808 kWh/a		
thermostat-off mode	Pto(cooling)	11 W	heating / Warmer	Qhe	891 kWh/a		
	Pto(heating)	14 W	heating / colder	Qhe	- kWh/a		
crankcase heater mode	Pck	0 W					
			Others items				
Capacity control(indicate one of three of	puons)		Other items Sound power level(indoor)	Lwa	55 dB(A)		
			Sound power level(indoor)	Lwa	57 dB(A)		
fixed	No		Global warming potential	GWP	675 kgCO2eq.		
staged	No		Rated air flow(indoor)	-	732 m³/h		
variable	Yes		Rated air flow(outdoor)	-	1860 m³/h		
	a and - 11- **	ha manuft **	to a therefore a second second second				
· · · ·	ne and address of th MHIAE SERVICES B		ts authorised representative.				
F 7			sterdam, Netherlands. P.O.Box 23393 1100 DW A	Amsterdam, Net	herlands		
		ustries Air-Conditioning E		,			
5	The Square, Stockley	Park, Uxbridge, Middlese	ex, UB11 1ET, United Kingdom				

RWA000Z271

Model SRK35ZSX-WF

Information to identify the model(s) to wh			If function includes heating: Indicate the heat	0		
Indoor unit model name	SRK35ZSX		information relates to. Indicated values shou			
Outdoor unit model name	SRC35ZSX	-W	heating season at a time. Include at least the	e heating sea	son 'Average'.	
Eurotion (indicate if present)			Average (mandatanı)	Vee		
Function(indicate if present) cooling	Yes		Average(mandatory) Warmer(if designated)	Yes Yes		
heating	Yes		Colder(if designated)	No		
licuting	100			no		
Item	symbol	value unit	Item	symbol	value cla	ass
Design load			Seasonal efficiency and energy efficiency cla	ass		
cooling	Pdesignc	3.50 kW	cooling	SEER		A+++
heating / Average	Pdesignh	3.40 kW	heating / Average	SCOP/A		A+++
heating / Warmer	Pdesignh	4.70 kW	heating / Warmer	SCOP/W	6.50	A+++
heating / Colder	Pdesignh	- kW	heating / Colder	SCOP/C	-	-
Declared capacity at outdoor temperature	o Tdosianh		Back up heating capacity at outdoor temper	aturo Tdosiar	un	lit
heating / Average (-10°C)	Pdh	3.40 kW	heating / Average (-10°C)	elbu	0 kV	v
heating / Warmer (2°C)	Pdh	4.70 kW	heating / Warmer (2°C)	elbu	0 kV	
heating / Colder (-22°C)	Pdh	- kW	heating / Colder (-22°C)	elbu	- kV	
					· · ·	
Declared capacity for cooling, at indoor to	emperature 27(19)°C and	Declared energy efficiency ratio, at indoor te	mperature 27	7(19)°C and	
outdoor temperature Tj			outdoor temperature Tj			
Tj=35°C	Pdc	3.50 kW	Tj=35°C	EERd	4.73 -	
Tj=30°C	Pdc	2.58 kW	Tj=30°C	EERd	7.29 -	
Tj=25°C	Pdc	1.66 kW	Tj=25°C	EERd	12.43 -	
Tj=20°C	Pdc	1.38 kW	Tj=20°C	EERd	19.00 -	
Declared capacity for heating / Average			Declared coefficient of performance / Avera		indoor	
temperature 20°C and outdoor temperatu		0.05	temperature 20°C and outdoor temperature			
Tj=-7°C	Pdh	2.95 kW	Tj=-7°C	COPd	3.10 -	
Tj=2°C	Pdh	1.77 kW	Tj=2°C	COPd	5.18 -	
Tj=7°C	Pdh	1.20 kW	Tj=7°C	COPd	6.46 -	
Tj=12°C	Pdh	1.00 kW	Tj=12°C	COPd	8.10 -	
Tj=bivalent temperature	Pdh	3.40 kW	Tj=bivalent temperature	COPd	2.61 -	
Tj=operating limit	Pdh	3.40 kW	Tj=operating limit	COPd	2.61 -	
Destandance its famber that (Manager			Destand as off signal of a stranger (10)		la de es	
Declared capacity for heating / Warmer s temperature 20°C and outdoor temperature			Declared coefficient of performance / Warm temperature 20°C and outdoor temperature		Indoor	
Tj=2°C	Pdh	4.70 kW	Tj=2°C	COPd	3.10 -	
	Pdh	3.00 kW		COPd	5.82 -	
Tj=7°C			Tj=7°C			
Tj=12°C	Pdh	1.30 kW	Tj=12°C	COPd	8.20 -	
Tj=bivalent temperature	Pdh	4.70 kW	Tj=bivalent temperature	COPd	3.10 -	
Tj=operating limit	Pdh	4.70 kW	Tj=operating limit	COPd	3.10 -	
Declared capacity for heating / Colder se	ason at indoor		Declared coefficient of performance / Colder	season at ir	ndoor	
temperature 20°C and outdoor temperature			temperature 20°C and outdoor temperature			
Tj=-7℃	Pdh	- kW	Tj=-7°C	COPd		
Tj=2°C	Pdh	- kW	Tj=2°C	COPd	<u> </u>	
Tj=7°C	Pdh	- kW	Tj=7°C	COPd		
Tj=12°C	Pdh	- kW	Tj=12°C	COPd		
Tj=bivalent temperature	Pdh	- kW	Tj=bivalent temperature	COPd		
Tj=operating limit	Pdh	- kW	Tj=operating limit	COPd		
Tj=-15°C	Pdh	- kW	Tj=-15°C	COPd		
.,	1 411			00.0	1 1	
Bivalent temperature			Operating limit temperature			
heating / Average	Tbiv	-10 °C	heating / Average	Tol	-10 °C	
heating / Warmer	Tbiv	2 °C	heating / Warmer	Tol	2 °C	
heating / Colder	Tbiv	- °C	heating / Colder	Tol	- °C	
Cycling interval capacity	F		Cycling interval efficiency			
for cooling	Pcycc	- kW	for cooling	EERcyc	⊢ -	
for heating	Pcych	- kW	for heating	COPcyc		
Degradation coefficient			Degradation coefficient			
cooling	Cdc	0.25 -	heating	Cdh	0.25 -	
			U			
Electric power input in power modes othe			Annual electricity consumption			
off mode	Poff	4 W	cooling	Qce		Vh/a
standby mode	Psb	4 W	heating / Average	Qhe	<u> </u>	Vh/a
thermostat-off mode	Pto(cooling)	11 W	heating / Warmer	Qhe		Vh/a
	Pto(heating)	14 W	heating / colder	Qhe	- kV	Vh/a
crankcase heater mode	Pck	0 W				
Consoity control/indicate	tione)		Othoritoma			
Capacity control(indicate one of three op	uons)		Other items	Lwa	59	B(A)
			Sound power level(indoor)	Lwa		• •
fixed			Sound power level(outdoor)	Lwa		B(A)
fixed	No		Global warming potential	GWP		CO ₂ eq.
staged variable	No Yes		Rated air flow(indoor)	-	<u> </u>	³/h ³/h
	Tes		Rated air flow(outdoor)	-	∠100 m°	/11
Contact details for obtaining Name	and address of t	he manufacturer or of it	ts authorised representative.			
	HIAE SERVICES I					
			sterdam, Netherlands. P.O.Box 23393 1100 DW Ar	nsterdam, Net	herlands	
		ustries Air-Conditioning E				
5 TI	ne Square, Stockle	/ Park, Uxbridge, Middlese	ex, UB11 1ET, United Kingdom			

Model SRK50ZSX-WF

Information to identify the model(s) to			If function includes heating: Indicate the h	-		
Indoor unit model name	SRK50ZSX		information relates to. Indicated values sh			
Outdoor unit model name	SRC50ZSX	-W	heating season at a time. Include at least	the heating sea	son 'Average	e'.
Function(indicate if present)			Average(mandatory)	Yes		
cooling	Yes		Warmer(if designated)	Yes		
heating	Yes		Colder(if designated)	No		
-				·		
Item	symbol	value unit	Item	symbol	value	class
Design load	- · · · · · ·		Seasonal efficiency and energy efficiency			
cooling	Pdesignc	5 kW	cooling	SEER	8.30	A++
heating / Average heating / Warmer	Pdesignh Pdesignh	4.5 kW 6 kW	heating / Average heating / Warmer	SCOP/A SCOP/W	4.70 5.89	A++ A+++
heating / Colder	Pdesignh	- kW	heating / Colder	SCOP/C	0.00	-
	1 debigini		reating / colder	000170		unit
Declared capacity at outdoor tempera	ture Tdesignh		Back up heating capacity at outdoor temp	erature Tdesigr		_
heating / Average (-10°C)	Pdh	4.5 kW	heating / Average (-10°C)	elbu	0	kW
heating / Warmer (2°C)	Pdh	6 kW	heating / Warmer (2°C)	elbu	0	kW
heating / Colder (-22°C)	Pdh	- kW	heating / Colder (-22°C)	elbu	-	kW
Declared capacity for cooling, at indo	or tomporatura 27/10	N°C and	Declared energy efficiency ratio, at indoor	tomporaturo 2	7/10)°C and	
outdoor temperature Tj	or temperature 27(19	n) C and	outdoor temperature Tj	temperature 27	(19) C and	
Tj=35°C	Pdc	5 kW	Tj=35℃	EERd	4.1	1-
Tj=30°C	Pdc	3.7 kW	Tj=30°C	EERd	5.9	-
Tj=25°C	Pdc	2.4 kW	Tj=25℃	EERd	9.9	-
Tj=20°C	Pdc	1.5 kW	Tj=20°C	EERd	18.2	-
-						
Declared capacity for heating / Average			Declared coefficient of performance / Aver temperature 20°C and outdoor temperature		indoor	
temperature 20°C and outdoor tempe Tj=-7°C	Pdh	3.98 kW	Tj=-7°C	COPd	3.3	1_
Tj=2°C	Pdh	2.42 kW	Tj=2°C	COPd	4.64	_
Tj=7°C	Pdh	1.56 kW	Tj=7°C	COPd	5.64	-
Tj=12℃	Pdh	1.06 kW	Tj=12℃	COPd	7.2	-
Tj=bivalent temperature	Pdh	4.5 kW	Tj=bivalent temperature	COPd	2.64	-
Tj=operating limit	Pdh	4.5 kW	Tj=operating limit	COPd	2.64	-
Declared capacity for heating / Warm temperature 20°C and outdoor tempe			Declared coefficient of performance / War temperature 20°C and outdoor temperatur		Indoor	
Tj=2°C	Pdh	6 kW	Tj=2°C	COPd	3.01	1_
Tj=7℃	Pdh	3.9 kW	Tj=7°C	COPd	5.35	-
Tj=12°C	Pdh	1.7 kW	Tj=12℃	COPd	7.2	-
Tj=bivalent temperature	Pdh	6 kW	Tj=bivalent temperature	COPd	3.01	-
Tj=operating limit	Pdh	6 kW	Tj=operating limit	COPd	3.01	-
De deve de ser site fan herstinn (Oslder						
Declared capacity for heating / Colder temperature 20°C and outdoor tempe			Declared coefficient of performance / Color temperature 20°C and outdoor temperature		Idoor	
Tj=-7°C	Pdh	- kW	Tj=-7°C	COPd	-	1_
Tj=2°C	Pdh	- kW	Tj=2°C	COPd	-	-
Tj=7°C	Pdh	- kW	Tj=7℃	COPd	-	-
Tj=12°C	Pdh	- kW	Tj=12°C	COPd	-	-
Tj=bivalent temperature	Pdh	- kW	Tj=bivalent temperature	COPd	-	-
Tj=operating limit	Pdh	- kW	Tj=operating limit	COPd	-	-
Tj=-15°C	Pdh	- kW	Tj=-15℃	COPd	-	-
Bivalent temperature			Operating limit temperature			
heating / Average	Tbiv	-10 °C	heating / Average	Tol	-10	°C
heating / Warmer	Tbiv	2 ℃	heating / Warmer	Tol	2	°C
heating / Colder	Tbiv	- °C	heating / Colder	Tol	-	°C
Cycling interval capacity		h	Cycling interval efficiency		r	1
for cooling	Pcycc	- kW - kW	for cooling	EERcyc COPcyc	-	-
for heating	Pcych	- KVV	for heating	COPCyc	-	-
Degradation coefficient			Degradation coefficient			
cooling	Cdc	0.25 -	heating	Cdh	0.25	-
Electric power input in power modes of			Annual electricity consumption			
off mode standby mode	Poff Psb	4 W 4 W	cooling heating / Average	Qce Qhe	211 1341	kWh/a kWh/a
thermostat-off mode	Pto(cooling)	12 W	heating / Warmer	Qhe	1341	kWh/a
	Pto(heating)	14 W	heating / colder	Qhe	-	kWh/a
crankcase heater mode	Pck	0 W				
Capacity control(indicate one of three	options)		Other items			
			Sound power level(indoor)	Lwa	59	dB(A)
fixed	No		Sound power level(outdoor) Global warming potential	Lwa GWP	63 675	dB(A) kgCO₂eq.
fixed staged	No		Rated air flow(indoor)		675 858	kgCO₂eq. m³/h
variable	Yes		Rated air flow(outdoor)	_	2340	m³/h
			ts authorised representative.		_	
	U)MHIAE SERVICES B			America de la como		
		una ArenA, 1101 CM Ams ustries Air-Conditioning E	sterdam, Netherlands. P.O.Box 23393 1100 DW	Arnsterdam, Neth	ierlands	
			ex, UB11 1ET,United Kingdom			
		<u> </u>	~			

RWA000Z271

Model SRK50ZSX-WF

Information to identify the model(s) to			If function includes heating: Indicate the h	-	
Indoor unit model name	SRK50ZSX		information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.		
Outdoor unit model name	SRC50ZSX	-W1	heating season at a time. Include at least	the heating sea	son 'Average'.
Function/indicate if present)			Average (mandatany)	Vaa	
Function(indicate if present) cooling	Yes		Average(mandatory) Warmer(if designated)	Yes Yes	
heating	Yes		Colder(if designated)	No	
licating					
Item	symbol	value unit	Item	symbol	value class
Design load			Seasonal efficiency and energy efficiency	/ class	
cooling	Pdesignc	5 kW	cooling	SEER	8.30 A++
heating / Average	Pdesignh	4.5 kW	heating / Average	SCOP/A	4.70 A++
heating / Warmer	Pdesignh	6 kW	heating / Warmer	SCOP/W	5.89 A+++
heating / Colder	Pdesignh	- kW	heating / Colder	SCOP/C	
Declared capacity at outdoor temperation	ture Tdesignh		Back up heating capacity at outdoor temp	poraturo Tdosiar	unit
heating / Average (-10°C)	Pdh	4.5 kW	heating / Average (-10°C)	elbu	0 kW
heating / Warmer (2°C)	Pdh	6 kW	heating / Warmer (2°C)	elbu	0 kW
heating / Colder (-22°C)	Pdh	- kW	heating / Colder (-22°C)	elbu	- kW
		•••••••			• • • •
Declared capacity for cooling, at indoc	or temperature 27(19	9)°C and	Declared energy efficiency ratio, at indoo	r temperature 27	7(19)°C and
outdoor temperature Tj			outdoor temperature Tj		
Tj=35°C	Pdc	5 kW	Tj=35°C	EERd	4.1 -
Tj=30°C	Pdc	3.7 kW	Tj=30°C	EERd	5.9 -
Tj=25°C	Pdc	2.4 kW	Tj=25°C	EERd	9.9 -
Tj=20°C	Pdc	1.5 kW	Tj=20°C	EERd	18.2 -
Declared capacity for heating / Averac	a cascan at indese		Declared coefficient of performance / Au		indoor
temperature 20°C and outdoor temper	· ·		Declared coefficient of performance / Ave temperature 20°C and outdoor temperature		muour
Tj=-7°C	Pdh	3.98 kW	Tj=-7°C	COPd	3.3 -
Tj=2°C	Pdh	2.42 kW	Tj=2°C	COPd	4.64 -
Tj=2°C	Pdh	1.56 kW	Tj=2°C	COPd	5.64
Tj=12°C	Pdh	1.06 kW	Ti=12°C	COPd	7.2 -
Tj=bivalent temperature	Pdh	4.5 kW	Tj=bivalent temperature	COPd	2.64 -
Tj=operating limit	Pdh	4.5 kW	Tj=operating limit	COPd	2.64 -
					· · · · ·
Declared capacity for heating / Warme			Declared coefficient of performance / Wa		indoor
temperature 20°C and outdoor temper			temperature 20°C and outdoor temperatu		
Tj=2°C	Pdh	6 kW	Tj=2°C	COPd	3.01 -
Tj=7°C	Pdh	3.9 kW	Tj=7°C	COPd	5.35 -
Tj=12°C	Pdh	1.7 kW	Tj=12°C	COPd	7.2 -
Tj=bivalent temperature	Pdh	6 kW	Tj=bivalent temperature	COPd	3.01 -
Tj=operating limit	Pdh	6 kW	Tj=operating limit	COPd	3.01 -
Declared capacity for beating / Colder	season at indeer		Declared coefficient of performance / Col	lder season, at ir	adoor
Declared capacity for heating / Colder temperature 20°C and outdoor temper			temperature 20°C and outdoor temperature		10001
Tj=-7°C	Pdh	- kW	Tj=-7°C	COPd	
Tj=2°C	Pdh	- kW	Tj=2°C	COPd	
Tj=7°C	Pdh	- kW	Tj=7°C	COPd	
Tj=12°C	Pdh	- kW	Tj=12°C	COPd	
Ti=bivalent temperature	Pdh	- kW	Tj=bivalent temperature	COPd	
Tj=operating limit	Pdh	- kW	Tj=operating limit	COPd	
Tj=-15°C	Pdh	- kW	Tj=-15℃	COPd	
-					
Bivalent temperature			Operating limit temperature		
heating / Average	Tbiv	-10 °C	heating / Average	Tol	-10 °C
heating / Warmer	Tbiv	2 °C	heating / Warmer	Tol	2 °C
heating / Colder	Tbiv	- °C	heating / Colder	Tol	- °C
Cycling interval consolt			Cycling interval officianay		
Cycling interval capacity for cooling	Pcycc	- kW	Cycling interval efficiency for cooling	EERcyc	
for heating	Pcycc	- kW	for heating	COPcyc	
	1 0 9 0 11		loi riodalig	001030	<u> </u>
Degradation coefficient			Degradation coefficient		
cooling	Cdc	0.25 -	heating	Cdh	0.25 -
Electric power input in power modes of			Annual electricity consumption		
off mode	Poff	4 W	cooling	Qce	211 kWh/a
standby mode thermostat-off mode	Psb	4 W	heating / Average	Qhe	1341 kWh/a
mermostat-on mode	Pto(cooling)	12 W	heating / Warmer	Qhe	1427 kWh/a
crankcase heater mode	Pto(heating) Pck	14 W 0 W	heating / colder	Qhe	- kWh/a
	FUK	U [VV	ļ		
Capacity control(indicate one of three	options)		Other items		
			Sound power level(indoor)	Lwa	59 dB(A)
			Sound power level(outdoor)	Lwa	63 dB(A)
fixed	No		Global warming potential	GWP	675 kgCO2eq.
staged	No		Rated air flow(indoor)	-	858 m³/h
variable	Yes		Rated air flow(outdoor)	-	2340 m³/h
			ts authorised representative.		
	J)MHIAE SERVICES E		stardam Natharlanda D.O.D., 00000 4400 Dit	(Amotordana N	horlanda
		una ArenA, 1101 CM Am lustries Air-Conditioning E	sterdam, Netherlands. P.O.Box 23393 1100 DW	Amsterdam, Neti	ienalius
			ex, UB11 1ET,United Kingdom		
		, . and, explicitly, minules	,		

Model SRK50ZSX-WF

Information to identify the model(s) to w			If function includes heating: Indicate the heat	-	
Indoor unit model name	SRK50ZSX-		information relates to. Indicated values shou		
Outdoor unit model name	SRC50ZSX-	-W2	heating season at a time. Include at least th	e heating sea	ason 'Average'.
Function(indicate if present)	-		Average(mandatory)	Yes	
cooling	Yes		Warmer(if designated)	Yes	
heating	Yes		Colder(if designated)	No	
	•		· · · ·		
Item	symbol \	value unit	Item	symbol	value class
Design load	- · · · F		Seasonal efficiency and energy efficiency cl		
cooling	Pdesignc	5 kW	cooling	SEER	8.30 A++
heating / Average	Pdesignh	4.5 kW 6 kW	heating / Average heating / Warmer	SCOP/A SCOP/W	4.70 A++ 5.89 A+++
heating / Warmer heating / Colder	Pdesignh Pdesignh	- kW	heating / Colder	SCOP/W	5.09 ATTT
neating / Colder	Fuesignin		Treating / Colder	300F/0	unit
Declared capacity at outdoor temperatu	re Tdesignh		Back up heating capacity at outdoor temper	ature Tdesigr	
heating / Average (-10°C)	Pdh	4.5 kW	heating / Average (-10°C)	elbu	0 kW
heating / Warmer (2°C)	Pdh	6 kW	heating / Warmer (2°C)	elbu	0 kW
heating / Colder (-22°C)	Pdh	- kW	heating / Colder (-22°C)	elbu	- kW
Declared capacity for cooling, at indoor	temperature 27(19))°C and	Declared energy efficiency ratio, at indoor te	emperature 2	7(19)°C and
outdoor temperature Tj Tj=35°C	Pdc	5 kW	outdoor temperature Tj Tj=35°C	EERd	4.4
Tj=30°C	Pdc	5 kW 3.7 kW	Tj=30°C	EERd	4.1 - 5.9 -
Tj=25°C	Pdc	2.4 kW	Tj=25℃	EERd	9.9 -
Tj=20°C	Pdc	1.5 kW	Tj=20°C	EERd	18.2 -
		- I			,
Declared capacity for heating / Average			Declared coefficient of performance / Avera		t indoor
temperature 20°C and outdoor temperat	· · · · ·		temperature 20°C and outdoor temperature		I
Tj=-7°C	Pdh	3.98 kW	Tj=-7°C	COPd	3.3 -
Tj=2°C	Pdh	2.42 kW	Tj=2°C	COPd	4.64 -
Tj=7°C	Pdh	1.56 kW	Tj=7°C	COPd	5.64 -
Tj=12°C Tj=bivalent temperature	Pdh	1.06 kW 4.5 kW	Tj=12°C	COPd	7.2 - 2.64 -
Tj=operating limit	Pdh Pdh	4.5 kW 4.5 kW	Tj=bivalent temperature Tj=operating limit	COPd COPd	2.64 -
	Full	4.5		COFU	2.04 -
Declared capacity for heating / Warmer	season, at indoor		Declared coefficient of performance / Warm	er season, at	indoor
temperature 20°C and outdoor temperat			temperature 20°C and outdoor temperature		
Tj=2°C	Pdh	6 kW	Tj=2°C	COPd	3.01 -
Tj=7°C	Pdh	3.9 kW	Tj=7°C	COPd	5.35 -
Tj=12°C	Pdh	1.7 kW	Tj=12°C	COPd	7.2 -
Tj=bivalent temperature	Pdh	6 kW	Tj=bivalent temperature	COPd	3.01 -
Tj=operating limit	Pdh	6 kW	Tj=operating limit	COPd	3.01 -
Declared capacity for heating / Colder so	eason at indoor		Declared coefficient of performance / Colder	r season at i	ndoor
temperature 20°C and outdoor temperat			temperature 20°C and outdoor temperature		10001
Tj=-7°C	Pdh	- kW	Tj=-7°C	COPd	
Tj=2°C	Pdh	- kW	Tj=2°C	COPd	
Tj=7°C	Pdh	- kW	Tj=7°C	COPd	
Tj=12°C	Pdh	- kW	Tj=12°C	COPd	
Tj=bivalent temperature	Pdh	- kW	Tj=bivalent temperature	COPd	
Tj=operating limit	Pdh	- kW	Tj=operating limit	COPd	·
Tj=-15°C	Pdh	- kW	Tj=-15°C	COPd	
Divelent temperature			On existing limit terminarely up		
Bivalent temperature heating / Average	Tbiv	-10 °C	Operating limit temperature heating / Average	Tol	-10 °C
heating / Warmer	Tbiv	2 °C	heating / Warmer	Tol	2 °C
heating / Colder	Tbiv	- °C	heating / Colder	Tol	- °C
				·	·
Cycling interval capacity	-		Cycling interval efficiency		
for cooling	Pcycc	- kW	for cooling	EERcyc	·
for heating	Pcych	- kW	for heating	COPcyc	
Degradation coefficient			Degradation coefficient		
Degradation coefficient cooling	Cdc	0.25	Degradation coefficient heating	Cdh	0.25
cooming	Ouc	0.20	Treating	Ouri	0.20
Electric power input in power modes oth	er than 'active mod	le'	Annual electricity consumption		
off mode	Poff	4 W	cooling	Qce	211 kWh/a
standby mode	Psb	4 W	heating / Average	Qhe	1341 kWh/a
thermostat-off mode	Pto(cooling)	12 W	heating / Warmer	Qhe	1427 kWh/a
	Pto(heating)	14 W	heating / colder	Qhe	- kWh/a
crankcase heater mode	Pck	0 W			
Capacity control(indicate one of three of	otions)		Other items		
			Sound power level(indoor)	Lwa	59 dB(A)
			Sound power level(outdoor)	Lwa	63 dB(A)
fixed	No		Global warming potential	GWP	675 kgCO2eq.
staged	No		Rated air flow(indoor)	-	858 m³/h
variable	Yes		Rated air flow(outdoor)	-	2340 m³/h
Or interest whether the form of the state of			a sufficient concernent of		
			s authorised representative.		
	VIHIAE SERVICES B. rikerbergweg 238. Lu		sterdam, Netherlands. P.O.Box 23393 1100 DW Ar	msterdam Net	herlands
		ustries Air-Conditioning E			
			ex, UB11 1ET, United Kingdom		

RWA000Z271

Model SRK60ZSX-WF

Information to identify the model(s) to w			If function includes heating: Indicate the	0	
Indoor unit model name	SRK60ZSX		information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.		
Outdoor unit model name	SRC60ZSX	-W	heating season at a time. Include at leas	st the heating sea	son 'Average'.
Function/indicate if present)				Vee	
Function(indicate if present) cooling	Yes		Average(mandatory) Warmer(if designated)	Yes Yes	
heating	Yes		Colder(if designated)	No	
Item	symbol	value unit	Item	symbol	value class
Design load			Seasonal efficiency and energy efficient	cy class	
cooling	Pdesignc	6.1 kW	cooling	SEER	7.80 A++
heating / Average	Pdesignh	5.2 kW	heating / Average	SCOP/A	4.70 A++
heating / Warmer	Pdesignh	6.8 kW	heating / Warmer	SCOP/W	5.79 A+++
heating / Colder	Pdesignh	- kW	heating / Colder	SCOP/C	
Declared capacity at outdoor temperatu	re Tdesignh		Back up heating capacity at outdoor ten	nnerature Tdesign	unit b
heating / Average (-10°C)	Pdh	5.2 kW	heating / Average (-10°C)	elbu	0 kW
heating / Warmer (2°C)	Pdh	6.8 kW	heating / Warmer (2°C)	elbu	0 kW
heating / Colder (-22°C)	Pdh	- kW	heating / Colder (-22°C)	elbu	- kW
Declared capacity for cooling, at indoor	temperature 27(19)°C and	Declared energy efficiency ratio, at indo	or temperature 27	(19)°C and
outdoor temperature Tj			outdoor temperature Tj		
Tj=35°C	Pdc	6.1 kW	Tj=35℃	EERd	3.6 -
Tj=30°C	Pdc	4.5 kW	Tj=30°C	EERd	5.4 -
Tj=25°C	Pdc	2.9 kW	Tj=25°C	EERd	9 -
Tj=20°C	Pdc	1.6 kW	Tj=20°C	EERd	18.4 -
Dealarad apposite for heating of Acc	accord at the de-		Declared coefficient of a standard ()		indoor
Declared capacity for heating / Average			Declared coefficient of performance / Av	•	IIIUOOF
temperature 20°C and outdoor temperat Tj=-7°C	Pdh	4.7 kW	temperature 20°C and outdoor temperative Ti=-7°C	COPd	3.1 -
Tj=2°C	Pdh	2.8 kW	Tj=-7 C	COPd	4.65 -
Tj=7°C	Pdh	1.8 kW	Tj=2 C	COPd	5.86 -
Tj=12°C	Pdh	1.8 KW	Tj=7°C	COPd	7.13 -
Tj=bivalent temperature	Pdh	5.2 kW	Ti=bivalent temperature	COPd	2.45 -
Tj=operating limit	Pdh	5.2 kW	Ti=operating limit	COPd	2.45 -
	1 dil	0.2		0014	2.40
Declared capacity for heating / Warmer	season, at indoor		Declared coefficient of performance / W	/armer season, at	indoor
temperature 20°C and outdoor temperat	ture Tj		temperature 20°C and outdoor temperation		
Tj=2°C	Pdh	6.8 kW	Tj=2°C	COPd	2.7 -
Tj=7°C	Pdh	4.37 kW	Tj=7°C	COPd	5.16 -
Tj=12°C	Pdh	1.94 kW	Tj=12°C	COPd	7.31 -
Tj=bivalent temperature	Pdh	6.8 kW	Tj=bivalent temperature	COPd	2.7 -
Tj=operating limit	Pdh	6.8 kW	Tj=operating limit	COPd	2.7 -
Destand a second to fair hearth and October					
Declared capacity for heating / Colder s temperature 20°C and outdoor temperat			Declared coefficient of performance / Co temperature 20°C and outdoor temperat		1000Г
Tj=-7°C	Pdh	- kW	Tj=-7°C	COPd	
Tj=2°C	Pdh	- kW	Tj=2°C	COPd	
Tj=7°C	Pdh	- kW	Tj=2°C	COPd	
Tj=12°C	Pdh	- kW	Ti=12°C	COPd	
Tj=bivalent temperature	Pdh	- kW	Ti=bivalent temperature	COPd	
Tj=operating limit	Pdh	- kW	Tj=operating limit	COPd	
Tj=-15°C	Pdh	- kW	Tj=-15°C	COPd	
	1 dil		1 100	0014	
Bivalent temperature			Operating limit temperature		
heating / Average	Tbiv	-10 °C	heating / Average	Tol	-10 °C
heating / Warmer	Tbiv	2 °C	heating / Warmer	Tol	2 °C
heating / Colder	Tbiv	- °C	heating / Colder	Tol	- °C
Cycling interval capacity	D		Cycling interval efficiency		I
for cooling	Pcycc	- kW	for cooling	EERcyc	
for heating	Pcych	- kW	for heating	COPcyc	
Degradation coefficient			Degradation coefficient		
cooling	Cdc	0.25 -	heating	Cdh	0.25 -
	000	0.20	inodalig		0.20
Electric power input in power modes oth	ner than 'active mo	de'	Annual electricity consumption		
off mode	Poff	4 W	cooling	Qce	274 kWh/a
standby mode	Psb	4 W	heating / Average	Qhe	1551 kWh/a
thermostat-off mode	Pto(cooling)	12 W	heating / Warmer	Qhe	1645 kWh/a
	Pto(heating)	14 W	heating / colder	Qhe	- kWh/a
crankcase heater mode	Pck	0 W			
Organity and Mr. P. J.	-4:>		Others the res		
Capacity control(indicate one of three o	ptions)		Other items	1	
			Sound power level(indoor)	Lwa	dB(A)
fixed	No		Sound power level(outdoor)	Lwa	dB(A)
fixed	No		Global warming potential	GWP	675 kgCO ₂ eq. m ³ /h
staged variable	Yes		Rated air flow(indoor) Rated air flow(outdoor)	-	m³/h m³/h
Variable	162			-	pn /0
Contact details for obtaining Nam	e and address of t	he manufacturer or o	of its authorised representative.		
	MHIAE SERVICES I				
1 I I I I I I I I I I I I I I I I I I I			msterdam, Netherlands. P.O.Box 23393 1100 D	W Amsterdam, Neth	nerlands
		ustries Air-Conditionin			
51	The Square, Stockley	/ Park, Uxbridge, Midd	esex, UB11 1ET,United Kingdom		

RWA000Z271

Model SRK60ZSX-WF

Information to identify the model(s) to wh			If function includes heating: Indicate the heat	•	
Indoor unit model name	SRK60ZSX		information relates to. Indicated values shou		
Outdoor unit model name	SRC60ZSX	(-W1	heating season at a time. Include at least th	e heating sea	ason 'Average'.
Function(indicate if present)			Augustana (mandatan i)	Vaa	
cooling	Yes		Average(mandatory) Warmer(if designated)	Yes Yes	
heating	Yes		Colder(if designated)	No	
Item	symbol	value unit	Item	symbol	value class
Design load			Seasonal efficiency and energy efficiency cl		
cooling	Pdesignc	6.1 kW	cooling	SEER	7.80 A++
heating / Average	Pdesignh Pdesignh	5.2 kW 6.8 kW	heating / Average heating / Warmer	SCOP/A SCOP/W	4.70 A++ 5.79 A+++
heating / Warmer heating / Colder	Pdesignn	6.8 kW - kW	heating / Colder	SCOP/W SCOP/C	5.79 A+++
neating / Colder	Fuesignin	- KVV	nearing / Colder	300F/0	unit
Declared capacity at outdoor temperature	e Tdesignh		Back up heating capacity at outdoor temper	ature Tdesigr	
heating / Average (-10°C)	Pdh	5.2 kW	heating / Average (-10°C)	elbu	0 kW
heating / Warmer (2°C)	Pdh	6.8 kW	heating / Warmer (2°C)	elbu	0 kW
heating / Colder (-22°C)	Pdh	- kW	heating / Colder (-22°C)	elbu	- kW
Declared capacity for cooling, at indoor to	emperature 27(19	and (C) and	Declared energy efficiency ratio, at indoor te	emperature 2	7(19)°C and
outdoor temperature Tj Tj=35°C	Pdc	6.1 kW	outdoor temperature Tj Tj=35°C	EERd	3.6 -
Tj=30°C	Pdc	4.5 kW	Tj=30°C	EERd	5.4 -
Tj=25°C	Pdc	2.9 kW	Tj=25℃	EERd	9 -
Tj=20°C	Pdc	1.6 kW	Tj=20°C	EERd	18.4 -
Declared capacity for heating / Average			Declared coefficient of performance / Avera		t indoor
temperature 20°C and outdoor temperatu			temperature 20°C and outdoor temperature		
Tj=-7℃	Pdh	4.7 kW	Tj=-7°C	COPd	3.1 -
Tj=2°C	Pdh	2.8 kW 1.8 kW	Tj=2°C	COPd	4.65
Tj=7℃ Tj=12℃	Pdh Pdh	1.8 kW 1.1 kW	Tj=7℃ Tj=12℃	COPd COPd	5.86 7.13
Tj=bivalent temperature	Pdh	5.2 kW	Tj=bivalent temperature	COPd	2.45
Tj=operating limit	Pdh	5.2 kW	Tj=operating limit	COPd	2.45
	. dii		1) oporating initia	00.0	20
Declared capacity for heating / Warmer s	eason, at indoor		Declared coefficient of performance / Warm	er season, at	t indoor
temperature 20°C and outdoor temperatu	ire Tj		temperature 20°C and outdoor temperature	Tj	
Tj=2°C	Pdh	6.8 kW	Tj=2°C	COPd	2.7 -
Tj=7°C	Pdh	4.37 kW	Tj=7°C	COPd	5.16 -
Tj=12°C	Pdh	1.94 kW	Tj=12°C	COPd	7.31 -
Tj=bivalent temperature	Pdh	6.8 kW	Tj=bivalent temperature	COPd	2.7 -
Tj=operating limit	Pdh	6.8 kW	Tj=operating limit	COPd	2.7 -
Declared capacity for heating / Colder se	ason. at indoor		Declared coefficient of performance / Colder	r season, at i	ndoor
temperature 20°C and outdoor temperatu			temperature 20°C and outdoor temperature		
Tj=-7°C	Pdh	- kW	Tj=-7°C	COPd	
Tj=2°C	Pdh	- kW	Tj=2°C	COPd	
Tj=7°C	Pdh	- kW	Tj=7°C	COPd	
Tj=12°C	Pdh	- kW	Tj=12°C	COPd	
Tj=bivalent temperature	Pdh	- kW	Tj=bivalent temperature	COPd	
Tj=operating limit Tj=-15°C	Pdh Pdh	- kW - kW	Tj=operating limit Tj=-15°C	COPd COPd	
1]15 C	Full	- KVV	IJ=-15 C	COPU	
Bivalent temperature			Operating limit temperature		
heating / Average	Tbiv	-10 ℃	heating / Average	Tol	-10 °C
heating / Warmer	Tbiv	2 ℃	heating / Warmer	Tol	2 °C
heating / Colder	Tbiv	- °C	heating / Colder	Tol	- °C
Qualing internal and all		1	Qualing internal affining and		
Cycling interval capacity for cooling	Pcycc	- kW	Cycling interval efficiency for cooling	EEPovo	<u> </u>
for cooling for heating	Pcycc Pcych	- kW	for heating	EERcyc COPcyc	
	i cyoli	- IX¥¥	I.o. notaing	001 090	, <u> </u>
Degradation coefficient			Degradation coefficient		
cooling	Cdc	0.25 -	heating	Cdh	0.25 -
Electric power input in power modes othe			Annual electricity consumption		
off mode standby mode	Poff Psb	4 W 4 W	cooling heating / Average	Qce Qhe	274 kWh/a 1551 kWh/a
thermostat-off mode		12 W	heating / Warmer	Qhe	1645 kWh/a
thermostat-on mode	Pto(cooling) Pto(heating)	12 VV 14 W	heating / colder	Qhe	- kWh/a
crankcase heater mode	Pck	0 W	ricating / colder	QIIC	
		- [**	1		
Capacity control(indicate one of three op	tions)		Other items		
l · · · · ·			Sound power level(indoor)	Lwa	dB(A)
			Sound power level(outdoor)	Lwa	dB(A)
fixed	No		Global warming potential	GWP	675 kgCO2eq.
staged	No		Rated air flow(indoor)	-	m ³ /h
variable	Yes		Rated air flow(outdoor)	-	m³/h
Contact details for obtaining Name	and address of t	he manufacturer or of it	ts authorised representative.		
	HIAE SERVICES E				
			sterdam, Netherlands. P.O.Box 23393 1100 DW Ar	msterdam, Net	herlands
		lustries Air-Conditioning E			
5 Th	ne Square, Stockley	y Park, Uxbridge, Middles	ex, UB11 1ET, United Kingdom		

RWA000Z271

Model SRK20ZSX-WFB

Information to identify the model(s) to w			If function includes heating: Indicate the he	0	
Indoor unit model name	SRK20ZSX		information relates to. Indicated values sho		
Outdoor unit model name	SRC20ZSX	-W	heating season at a time. Include at least the	ne heating sea	ison 'Average'.
Function(indicate if present)			Average(mandatory)	Yes	
cooling	Yes		Average(mandatory) Warmer(if designated)	Yes	
heating	Yes		Colder(if designated)	No	
Item	symbol	value unit	Item	symbol	value class
Design load			Seasonal efficiency and energy efficiency of		
cooling	Pdesignc	2.00 kW	cooling	SEER	10.00 A+++
heating / Average	Pdesignh	2.80 kW 3.70 kW	heating / Average heating / Warmer	SCOP/A SCOP/W	5.20 A+++ 6.70 A+++
heating / Warmer heating / Colder	Pdesignh Pdesignh	- kW	heating / Colder	SCOP/W	6.70 ATTT
	Fuesignin		neating / Colder	300F/0	unit
Declared capacity at outdoor temperatu	re Tdesignh		Back up heating capacity at outdoor tempe	rature Tdesigr	
heating / Average (-10°C)	Pdh	2.80 kW	heating / Average (-10°C)	elbu	0 kW
heating / Warmer (2°C)	Pdh	3.70 kW	heating / Warmer (2°C)	elbu	0 kW
heating / Colder (-22°C)	Pdh	- kW	heating / Colder (-22°C)	elbu	- kW
		N00			7/10/00
Declared capacity for cooling, at indoor outdoor temperature Tj	temperature 27(19	and	Declared energy efficiency ratio, at indoor t outdoor temperature Tj	emperature 2	7(19)°C and
Tj=35°C	Pdc	2.00 kW	Tj=35°C	EERd	6.45 -
Tj=30°C	Pdc	1.47 kW	Tj=30°C	EERd	9.29 -
Tj=25°C	Pdc	1.25 kW	Tj=25℃	EERd	13.90 -
Tj=20°C	Pdc	1.36 kW	Tj=20°C	EERd	20.70 -
-					
Declared capacity for heating / Average			Declared coefficient of performance / Avera		tindoor
temperature 20°C and outdoor temperat Tj=-7°C	Pdh	2.40 kW	temperature 20°C and outdoor temperature	COPd	3.20 -
Tj=2°C	Pdh	1.48 kW	Tj=2°C	COPd	5.31 -
Tj=7°C	Pdh	0.96 kW	Tj=2°C	COPd	6.49 -
Tj=12°C	Pdh	0.96 kW	Tj=12°C	COPd	8.28 -
Tj=bivalent temperature	Pdh	2.80 kW	Tj=bivalent temperature	COPd	2.79 -
Tj=operating limit	Pdh	2.80 kW	Tj=operating limit	COPd	2.79 -
Declared capacity for heating / Warmer			Declared coefficient of performance / Warn		indoor
temperature 20°C and outdoor temperat Tj=2°C	Pdh	3.70 kW	temperature 20°C and outdoor temperature Tj=2°C	COPd	3.40 -
Tj=7°C	Pdh	2.40 kW	Tj=7°C	COPd	6.16 -
Tj=12°C	Pdh	1.10 kW	Tj=12°C	COPd	8.21 -
Tj=bivalent temperature	Pdh	3.70 kW	Tj=bivalent temperature	COPd	3.40 -
Tj=operating limit	Pdh	3.70 kW	Tj=operating limit	COPd	3.40 -
Declared capacity for heating / Colder s			Declared coefficient of performance / Colde		ndoor
temperature 20°C and outdoor temperat		- kW	temperature 20°C and outdoor temperature		
Tj=-7°C Tj=2℃	Pdh Pdh	- kW - kW	Tj=-7℃ Tj=2℃	COPd COPd	
Tj=7°C	Pdh	- kW	Tj=2°C	COPd	
Tj=12°C	Pdh	- kW	Tj=12°C	COPd	
Tj=bivalent temperature	Pdh	- kW	Tj=bivalent temperature	COPd	
Tj=operating limit	Pdh	- kW	Tj=operating limit	COPd	
Tj=−15°C	Pdh	- kW	Tj=-15°C	COPd	
Bivalent temperature heating / Average	Tbiv	-10 °C	Operating limit temperature heating / Average	Tol	-10 °C
heating / Warmer	Tbiv	2 °C	heating / Warmer	Tol	2 °C
heating / Colder	Tbiv	- °C	heating / Colder	Tol	- °C
	-		· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·
Cycling interval capacity			Cycling interval efficiency		
for cooling	Pcycc	- kW	for cooling	EERcyc	<u>⊢ -</u> <u> </u> -
for heating	Pcych	- kW	for heating	COPcyc	
Degradation coefficient			Degradation coefficient		
cooling	Cdc	0.25 -	heating	Cdh	0.25 -
Electric power input in power modes oth			Annual electricity consumption		
off mode	Poff	4 W	cooling	Qce	70 kWh/a
standby mode	Psb	4 W	heating / Average heating / Warmer	Qhe	754 kWh/a
thermostat-off mode	Pto(cooling) Pto(heating)	11 W 14 W	heating / Warmer heating / colder	Qhe Qhe	774 kWh/a - kWh/a
crankcase heater mode	Pto(heating) Pck	0 W	Licating / coluci	QIIC	- KWII/a
	1 011	• [**	I		
Capacity control(indicate one of three o	ptions)		Other items		
			Sound power level(indoor)	Lwa	53 dB(A)
			Sound power level(outdoor)	Lwa	56 dB(A)
fixed	No		Global warming potential	GWP	675 kgCO2eq.
staged	No Yes		Rated air flow(indoor)	-	678 m³/h 1860 m³/h
variable	res		Rated air flow(outdoor)	-	1860 m³/h
Contact details for obtaining Nam	e and address of t	he manufacturer or of it	ts authorised representative.		
	MHIAE SERVICES E		·		
			sterdam, Netherlands. P.O.Box 23393 1100 DW A	msterdam, Net	herlands
		ustries Air-Conditioning E			
5	ne oquare, Stockle	r i ain, unuiluye, Midalêsi	ex, UB11 1ET,United Kingdom		

Model SRK25ZSX-WFB

Information to identify the model(s) to wh			If function includes heating: Indicate the	0	
Indoor unit model name	SRK25ZSX		information relates to. Indicated values s		
Outdoor unit model name	SRC25ZSX	-W	heating season at a time. Include at least	t the heating sea	ison 'Average'.
Function(indicate if present)			Average(mandatory)	Yes	
cooling	Yes		Warmer(if designated)	Yes	
heating	Yes		Colder(if designated)	No	
Item	symbol	value unit	Item	symbol	value class
Design load	Ddooigno	2.50 kW	Seasonal efficiency and energy efficiency	y class SEER	10.30 A+++
cooling heating / Average	Pdesignc Pdesignh	3.00 kW	heating / Average	SCOP/A	5.20 A+++
heating / Warmer	Pdesignh	4.20 kW	heating / Warmer	SCOP/W	6.60 A+++
heating / Colder	Pdesignh	- kW	heating / Colder	SCOP/C	
					unit
Declared capacity at outdoor temperatur	-		Back up heating capacity at outdoor tem		
heating / Average (-10°C)	Pdh	3.00 kW	heating / Average (-10°C)	elbu	0 kW
heating / Warmer (2°C) heating / Colder (-22°C)	Pdh Pdh	4.20 kW - kW	heating / Warmer (2°C) heating / Colder (-22°C)	elbu elbu	0 kW - kW
	1 dil			Cibu	
Declared capacity for cooling, at indoor t	emperature 27(19)°C and	Declared energy efficiency ratio, at indoc	or temperature 2	7(19)°C and
outdoor temperature Tj			outdoor temperature Tj		
Tj=35°C	Pdc	2.50 kW	Tj=35°C	EERd	5.68 -
Tj=30°C	Pdc	1.84 kW	Tj=30°C	EERd	8.75 -
Tj=25°C	Pdc	1.27 kW	Tj=25°C	EERd	14.10 -
Tj=20°C	Pdc	1.40 kW	Tj=20°C	EERd	20.40 -
Declared capacity for heating / Average	season, at indoor		Declared coefficient of performance / Ave	erage season at	t indoor
temperature 20°C and outdoor temperat			temperature 20°C and outdoor temperatu		
Tj=-7°C	Pdh	2.61 kW	Tj=-7°C	COPd	3.15 -
Tj=2°C	Pdh	1.59 kW	Tj=2°C	COPd	5.30 -
Tj=7°C	Pdh	1.03 kW	Tj=7°C	COPd	6.58 -
Tj=12°C	Pdh Pdh	0.96 kW 3.00 kW	Tj=12°C Tj=bivalent temperature	COPd COPd	8.30 - 2.69 -
Tj=bivalent temperature Tj=operating limit	Pdh	3.00 kW	Tj=operating limit	COPd	2.69 -
	1 dil	0.00		0014	2.00
Declared capacity for heating / Warmer	season, at indoor		Declared coefficient of performance / Wa	armer season, at	indoor
temperature 20°C and outdoor temperat			temperature 20°C and outdoor temperatu		
Tj=2°C	Pdh	4.20 kW	Tj=2°C	COPd	3.30 -
Tj=7°C Tj=12°C	Pdh Pdh	2.70 kW 1.20 kW	Tj=7°C	COPd	5.90 -
Tj=bivalent temperature	Pdh	4.20 kW	Tj=12°C Tj=bivalent temperature	COPd COPd	8.31 - 3.30 -
Tj=operating limit	Pdh	4.20 kW	Tj=operating limit	COPd	3.30 -
Declared capacity for heating / Colder se			Declared coefficient of performance / Co		ndoor
temperature 20°C and outdoor temperat			temperature 20°C and outdoor temperatu		
Tj=-7℃ Tj=2℃	Pdh Pdh	- kW - kW	Tj=-7°C Tj=2°C	COPd COPd	
Tj=7°C	Pdh	- kW	Tj=2°C	COPd	
Tj=12°C	Pdh	- kW	Tj=12°C	COPd	
Tj=bivalent temperature	Pdh	- kW	Tj=bivalent temperature	COPd	
Tj=operating limit	Pdh	- kW	Tj=operating limit	COPd	
Tj=−15°C	Pdh	- kW	Tj=-15℃	COPd	
Bivalent temperature heating / Average	Tbiv	-10 °C	Operating limit temperature heating / Average	Tol	-10 °C
heating / Warmer	Tbiv	2 °C	heating / Warmer	Tol	2 °C
heating / Colder	Tbiv	- °C	heating / Colder	Tol	- °C
Cycling interval capacity	_		Cycling interval efficiency		
for cooling	Pcycc	- kW	for cooling	EERcyc	<u>⊢ -</u> -
for heating	Pcych	- kW	for heating	COPcyc	
Degradation coefficient			Degradation coefficient		
cooling	Cdc	0.25 -	heating	Cdh	0.25 -
Electric power input in power modes oth			Annual electricity consumption	0	05
off mode standby mode	Poff Psb	4 W 4 W	cooling heating / Average	Qce Qhe	85 kWh/a 808 kWh/a
thermostat-off mode	Pto(cooling)	11 W	heating / Warmer	Qhe	891 kWh/a
	Pto(heating)	14 W	heating / colder	Qhe	- kWh/a
crankcase heater mode	Pck	0 W			1 1
			-		
Capacity control(indicate one of three op	otions)		Other items	1	
			Sound power level(indoor)	Lwa	55 dB(A)
fixed	No		Sound power level(outdoor) Global warming potential	Lwa GWP	57 dB(A) 675 kgCO₂eq.
staged	No		Rated air flow(indoor)	- GWP	732 m ³ /h
variable	Yes		Rated air flow(outdoor)	-	1860 m³/h
	•				
			its authorised representative.		
r í	IHIAE SERVICES E		nsterdam, Netherlands. P.O.Box 23393 1100 DW	Amsterdam Not	herlands
		ustries Air-Conditioning		anotoroani, Neu	ionando
			sex, UB11 1ET, United Kingdom		

RWA000Z271

Model SRK35ZSX-WFB

Information to identify the model(s) to			If function includes heating: Indicate the h	0		
Indoor unit model name	SRK35ZSX		information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.			
Outdoor unit model name	SRC35ZSX	-W	heating season at a time. Include at least	the heating sea	son 'Average'.	
Function/indicate if present)			Average (mandaton)	Vaa		
Function(indicate if present) cooling	Yes		Average(mandatory) Warmer(if designated)	Yes Yes		
heating	Yes		Colder(if designated)	No		
Item	symbol	value unit	Item	symbol	value class	
Design load			Seasonal efficiency and energy efficiency			
cooling	Pdesignc	3.50 kW	cooling	SEER	9.50 A+++	
heating / Average	Pdesignh	3.40 kW	heating / Average	SCOP/A	5.10 A+++	
heating / Warmer	Pdesignh	4.70 kW	heating / Warmer	SCOP/W	6.50 A+++	
heating / Colder	Pdesignh	- kW	heating / Colder	SCOP/C	unit	
Declared capacity at outdoor temperative	ture Tdesignh		Back up heating capacity at outdoor temp	erature Tdesigr		
heating / Average (-10°C)	Pdh	3.40 kW	heating / Average (-10°C)	elbu	0 kW	
heating / Warmer (2°C)	Pdh	4.70 kW	heating / Warmer (2°C)	elbu	0 kW	
heating / Colder (-22°C)	Pdh	- kW	heating / Colder (-22°C)	elbu	- kW	
Declared capacity for cooling, at indoc	or temperature 27(19	9)°C and	Declared energy efficiency ratio, at indoor	temperature 27	7(19)°C and	
outdoor temperature Tj			outdoor temperature Tj			
Tj=35℃	Pdc	3.50 kW	Tj=35°C	EERd	4.73 -	
Tj=30°C Tj=25°C	Pdc Pdc	2.58 kW 1.66 kW	Tj=30°C Tj=25°C	EERd EERd	7.29 - 12.43 -	
Tj=20°C	Pdc	1.38 kW	Tj=20°C	EERd	12.43 -	
1]-20 C	Fuc	1.30	1j=20 C	LLNU	15.00 -	
Declared capacity for heating / Average	ge season, at indoor		Declared coefficient of performance / Ave	rage season. at	indoor	
temperature 20°C and outdoor temper			temperature 20°C and outdoor temperature			
Tj=-7°C	Pdh	2.95 kW	Tj=-7°C	COPd	3.10 -	
Tj=2°C	Pdh	1.77 kW	Tj=2°C	COPd	5.18 -	
Tj=7°C	Pdh	1.20 kW	Tj=7°C	COPd	6.46 -	
Tj=12°C	Pdh	1.00 kW	Tj=12°C	COPd	8.10 -	
Tj=bivalent temperature	Pdh	3.40 kW	Tj=bivalent temperature	COPd	2.61 -	
Tj=operating limit	Pdh	3.40 kW	Tj=operating limit	COPd	2.61 -	
Declared capacity for heating / Warme	ar accord at indeer		Declared coefficient of performance / War	mor occor of	indoor	
temperature 20°C and outdoor temper			temperature 20°C and outdoor temperature		IIIdool	
Tj=2°C	Pdh	4.70 kW	Tj=2°C	COPd	3.10 -	
Tj=7°C	Pdh	3.00 kW	Tj=7°C	COPd	5.82 -	
Tj=12°C	Pdh	1.30 kW	Tj=12°C	COPd	8.20 -	
Tj=bivalent temperature	Pdh	4.70 kW	Tj=bivalent temperature	COPd	3.10 -	
Tj=operating limit	Pdh	4.70 kW	Tj=operating limit	COPd	3.10 -	
<u> </u>			J			
Declared capacity for heating / Colder	season, at indoor		Declared coefficient of performance / Colo	ler season, at ir	ndoor	
temperature 20°C and outdoor temper			temperature 20°C and outdoor temperatur			
Tj=-7°C	Pdh	- kW	Tj=-7°C	COPd		
Tj=2°C	Pdh	- kW	Tj=2°C	COPd		
Tj=7°C	Pdh	- kW	Tj=7°C	COPd		
Tj=12°C	Pdh	- kW	Tj=12°C	COPd		
Tj=bivalent temperature	Pdh	- kW	Tj=bivalent temperature	COPd		
Tj=operating limit	Pdh	- kW	Tj=operating limit	COPd		
Tj=-15°C	Pdh	- kW	Tj=-15℃	COPd		
Bivalent temperature			Operating limit temperature			
heating / Average	Tbiv	-10 °C	heating / Average	Tol	-10 °C	
heating / Warmer	Tbiv	2 °C	heating / Warmer	Tol	2 °C	
heating / Colder	Tbiv	- °C	heating / Colder	Tol	- °C	
Cycling interval capacity	_		Cycling interval efficiency			
for cooling	Pcycc	- kW	for cooling	EERcyc		
for heating	Pcych	- kW	for heating	COPcyc		
Degradation coefficient			Degradation coefficient			
cooling	Cdc	0.25 -	heating	Cdh	0.25	
Cooning	000	0.20	nouting	Guil	0.20	
Electric power input in power modes of	other than 'active mo	de'	Annual electricity consumption			
off mode	Poff	4 W	cooling	Qce	129 kWh/a	
standby mode	Psb	4 W	heating / Average	Qhe	934 kWh/a	
thermostat-off mode	Pto(cooling)	11 W	heating / Warmer	Qhe	1013 kWh/a	
	Pto(heating)	14 W	heating / colder	Qhe	- kWh/a	
crankcase heater mode	Pck	0 W				
Consoity control/indicate and of th	options)		Othoritoma			
Capacity control(indicate one of three	options)		Other items Sound power level(indoor)	Lwa	58 dB(A)	
			Sound power level(indoor) Sound power level(outdoor)	Lwa Lwa	61 dB(A)	
fixed	No		Global warming potential	GWP	675 kgCO ₂ eq.	
staged	No		Rated air flow(indoor)	-	786 m ³ /h	
variable	Yes		Rated air flow(outdoor)	-	2160 m ³ /h	
			ts authorised representative.			
1	J)MHIAE SERVICES E					
			sterdam, Netherlands. P.O.Box 23393 1100 DW	Amsterdam, Neth	neriands	
		ustries Air-Conditioning E	urope, Ltd ex, UB11 1ET,United Kingdom			
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Model SRK50ZSX-WFB

Information to identify the model(s) to v			If function includes heating: Indicate the h	0	
Indoor unit model name	SRK50ZS)		information relates to. Indicated values sh		
Outdoor unit model name	SRC50ZS2	-W	heating season at a time. Include at least	the heating sea	son 'Average'.
Function(indicate if present)			Average(mandatory)	Yes	
cooling	Yes		Warmer(if designated)	Yes	
heating	Yes		Colder(if designated)	No	
Item	symbol	value unit	Item	symbol	value class
Design load			Seasonal efficiency and energy efficiency		
cooling	Pdesignc	5 kW	cooling	SEER	8.30 A++
heating / Average heating / Warmer	Pdesignh Pdesignh	4.5 kW 6 kW	heating / Average heating / Warmer	SCOP/A SCOP/W	4.70 A++ 5.89 A+++
heating / Colder	Pdesignh	- kW	heating / Colder	SCOP/W	5.09 ATTT
incluing / Colder	i designin	- KVV	nearing / Colder	000170	unit
Declared capacity at outdoor temperatu	ure Tdesignh		Back up heating capacity at outdoor temp	erature Tdesign	
heating / Average (-10°C)	Pdh	4.5 kW	heating / Average (-10°C)	elbu	0 kW
heating / Warmer (2°C)	Pdh	6 kW	heating / Warmer (2°C)	elbu	0 kW
heating / Colder (-22°C)	Pdh	- kW	heating / Colder (-22°C)	elbu	- kW
Declared capacity for cooling, at indoor	temperature 27(19	9)°C and	Declared energy efficiency ratio, at indoor	temperature 27	7(19)°C and
outdoor temperature Tj Tj=35°C	Pdc	5 kW	outdoor temperature Tj Tj=35°C	EERd	4.1 -
Tj=30°C	Pdc	3.7 kW	Tj=30°C	EERd	5.9 -
Tj=25℃	Pdc	2.4 kW	Tj=25℃	EERd	9.9 -
Tj=20°C	Pdc	1.5 kW	Tj=20℃	EERd	18.2 -
					• •
Declared capacity for heating / Average			Declared coefficient of performance / Ave		indoor
temperature 20°C and outdoor tempera			temperature 20°C and outdoor temperature		
Tj=-7°C	Pdh	3.98 kW	Tj=-7°C	COPd COPd	3.3 -
Tj=2°C Ti=7°C	Pdh	2.42 kW	Tj=2°C		4.64 -
Tj=12°C	Pdh Pdh	1.56 kW 1.06 kW	Tj=7°C Tj=12℃	COPd COPd	<u>5.64</u> - 7.2 -
Tj=bivalent temperature	Pdh	4.5 kW	Tj=bivalent temperature	COPd	2.64 -
Tj=operating limit	Pdh	4.5 kW	Tj=operating limit	COPd	2.64 -
	. an		1) oporodnig mini	00.4	
Declared capacity for heating / Warmer	r season, at indoor		Declared coefficient of performance / War	rmer season, at	indoor
temperature 20°C and outdoor tempera			temperature 20°C and outdoor temperature		
Tj=2°C	Pdh	6 kW	Tj=2°C	COPd	3.01 -
Tj=7°C	Pdh	3.9 kW	Tj=7°C	COPd	5.35 -
Tj=12℃	Pdh	1.7 kW	Tj=12°C	COPd	7.2 -
Tj=bivalent temperature	Pdh	6 kW 6 kW	Tj=bivalent temperature	COPd	3.01 -
Tj=operating limit	Pdh	6 kW	Tj=operating limit	COPd	3.01 -
Declared capacity for heating / Colder s	season. at indoor		Declared coefficient of performance / Colo	der season. at ir	ndoor
temperature 20°C and outdoor tempera			temperature 20°C and outdoor temperature		
Tj=-7°C	Pdh	- kW	Tj=-7°C	COPd	
Tj=2°C	Pdh	- kW	Tj=2°C	COPd	
Tj=7°C	Pdh	- kW	Tj=7°C	COPd	
Tj=12°C	Pdh	- kW	Tj=12°C	COPd	
Tj=bivalent temperature	Pdh	- kW	Tj=bivalent temperature	COPd	
Tj=operating limit	Pdh	- kW	Tj=operating limit	COPd	
Tj=-15°C	Pdh	- kW	Tj=-15℃	COPd	
Bivalent temperature			Operating limit temperature		
heating / Average	Tbiv	-10 °C	heating / Average	Tol	-10 °C
heating / Warmer	Tbiv	2 ℃	heating / Warmer	Tol	2 °C
heating / Colder	Tbiv	- °C	heating / Colder	Tol	- °C
Cycling interval capacity	-	l	Cycling interval efficiency		I
for cooling	Pcycc	- kW	for cooling	EERcyc	
for heating	Pcych	- kW	for heating	COPcyc	
Degradation coefficient			Degradation coefficient	-	
cooling	Cdc	0.25 -	heating	Cdh	0.25 -
Electric power input in power modes of	her than 'active mo		Annual electricity consumption		
off mode	Poff	4 W	cooling	Qce	211 kWh/a
standby mode	Psb	4 W	heating / Average	Qhe	1341 kWh/a
thermostat-off mode	Pto(cooling)	12 W	heating / Warmer	Qhe	1427 kWh/a
avankanan hantar mada	Pto(heating)	14 W	heating / colder	Qhe	- kWh/a
crankcase heater mode	Pck	0 W			
Capacity control(indicate one of three of	options)		Other items		
	/		Sound power level(indoor)	Lwa	59 dB(A)
			Sound power level(outdoor)	Lwa	63 dB(A)
fixed	No		Global warming potential	GWP	675 kgCO2eq.
staged	No		Rated air flow(indoor)	-	858 m³/h
variable	Yes		Rated air flow(outdoor)	-	2340 m³/h
Contact datails for abtaining	a and address -fi	ha manufacturar ar -f "	a sutherized representative		
1 · · · · ·	INHIAE SERVICES I		s authorised representative.		
			sterdam, Netherlands. P.O.Box 23393 1100 DW	Amsterdam. Net	nerlands
		ustries Air-Conditioning E		. ,	
5	The Square, Stockle	/ Park, Uxbridge, Middles	ex, UB11 1ET, United Kingdom		

Model SRK50ZSX-WFB

Information to identify the model(s) to which			If function includes heating: Indicate the heat	0	
Indoor unit model name	SRK50ZS		information relates to. Indicated values should		
Outdoor unit model name	SRC50ZS	X-W1	heating season at a time. Include at least the	heating sea	ison 'Average'.
Eurotion (indicate if present)			Average (mandatan i)	Vee	
Function(indicate if present) cooling	Yes		Average(mandatory) Warmer(if designated)	Yes Yes	
heating	Yes		Colder(if designated)	No	
licating	100			110	
Item	symbol	value unit	Item	symbol	value class
Design load			Seasonal efficiency and energy efficiency cla	SS	
cooling	Pdesignc	5 kW	cooling	SEER	8.30 A++
heating / Average	Pdesignh	4.5 kW	heating / Average	SCOP/A	4.70 A++
heating / Warmer	Pdesignh	6 kW	heating / Warmer	SCOP/W	5.89 A+++
heating / Colder	Pdesignh	- kW	heating / Colder	SCOP/C	
Declared capacity at outdoor temperature T	dooianh		Back up heating capacity at outdoor tempera	turo Tdooigr	unit
heating / Average (-10°C)	Pdh	4.5 kW	heating / Average (-10°C)	elbu	0 kW
heating / Warmer (2°C)	Pdh	6 kW	heating / Warmer (2°C)	elbu	0 kW
heating / Colder (-22°C)	Pdh	- kW	heating / Colder (-22°C)	elbu	- kW
		,			
Declared capacity for cooling, at indoor tem	perature 27(1	9)°C and	Declared energy efficiency ratio, at indoor ter	nperature 27	7(19)°C and
outdoor temperature Tj			outdoor temperature Tj		
Tj=35°C	Pdc	5 kW	Tj=35°C	EERd	4.1 -
Tj=30°C	Pdc	3.7 kW	Tj=30°C	EERd	5.9 -
Tj=25°C	Pdc	2.4 kW	Tj=25°C	EERd	9.9 -
Tj=20°C	Pdc	1.5 kW	Tj=20°C	EERd	18.2 -
Declared capacity for heating / Average sea		r	Declared coefficient of performance / Averag		indoor
temperature 20°C and outdoor temperature			temperature 20°C and outdoor temperature T		
Tj=-7°C	Pdh	3.98 kW	Tj=-7°C	COPd	3.3
Tj=2°C	Pdh	2.42 kW	Tj=2°C	COPd	4.64 -
Tj=7°C	Pdh	1.56 kW	Tj=7°C	COPd	5.64 -
Tj=12°C	Pdh	1.06 kW	Tj=12°C	COPd	7.2 -
Tj=bivalent temperature	Pdh	4.5 kW	Tj=bivalent temperature	COPd	2.64 -
Tj=operating limit	Pdh	4.5 kW	Tj=operating limit	COPd	2.64 -
Declared capacity for heating / Warmer sea	son at indoo	r	Declared coefficient of performance / Warme	r coacon at	indoor
temperature 20°C and outdoor temperature			temperature 20°C and outdoor temperature T		IIIuuuu
Tj=2°C	Pdh	6 kW	Tj=2°C	COPd	3.01 -
Tj=7°C	Pdh	3.9 kW	Tj=2℃	COPd	5.35 -
Tj=12°C	Pdh	1.7 kW	Ti=12°C	COPd	7.2 -
Tj=bivalent temperature	Pdh	6 kW	Tj=bivalent temperature	COPd	3.01
Tj=operating limit	Pdh	6 kW	Tj=operating limit	COPd	3.01 -
	1 dii	U RU	1) operating mint	0010	0.01
Declared capacity for heating / Colder sease	on, at indoor		Declared coefficient of performance / Colder	season, at ir	ndoor
temperature 20°C and outdoor temperature			temperature 20°C and outdoor temperature T		
Tj=-7°C	Pdh	- kW	Tj=-7°C	COPd	
Tj=2°C	Pdh	- kW	Tj=2°C	COPd	
Tj=7°C	Pdh	- kW	Tj=7℃	COPd	
Tj=12℃	Pdh	- kW	Tj=12°C	COPd	
Tj=bivalent temperature	Pdh	- kW	Tj=bivalent temperature	COPd	
Tj=operating limit	Pdh	- kW	Tj=operating limit	COPd	
Tj=-15℃	Pdh	- kW	Tj=-15℃	COPd	
		• • •			
Bivalent temperature			Operating limit temperature		
heating / Average	Tbiv	-10 °C	heating / Average	Tol	-10 °C
heating / Warmer	Tbiv	2 °C	heating / Warmer	Tol	2 °C
heating / Colder	Tbiv	- °C	heating / Colder	Tol	- °C
Cycling interval capacity	Dever		Cycling interval efficiency	FFD -	· · · · · · · · · · · · · · · · · · ·
for cooling	Pcycc	- kW	for cooling	EERcyc	<u>⊢ -</u> -
for heating	Pcych	- kW	for heating	COPcyc	
Degradation coefficient		1	Degradation coefficient	-	
cooling	Cdc	0.25	heating	Cdh	0.25
	Out	0.20	licating	oun	0.20
Electric power input in power modes other t	nan 'active m	ode'	Annual electricity consumption		
off mode	Poff	4 W	cooling	Qce	211 kWh/a
standby mode	Psb	4 W	heating / Average	Qhe	1341 kWh/a
thermostat-off mode	Pto(cooling)	12 W	heating / Warmer	Qhe	1427 kWh/a
	Pto(heating)	14 W	heating / colder	Qhe	- kWh/a
crankcase heater mode	Pck	0 W			
		· · · · · · · · · · · · · · · · · · ·			
Capacity control(indicate one of three option	ns)		Other items		
			Sound power level(indoor)	Lwa	59 dB(A)
			Sound power level(outdoor)	Lwa	63 dB(A)
fixed	No		Global warming potential	GWP	675 kgCO2eq.
staged	No		Rated air flow(indoor)	-	858 m³/h
variable	Yes		Rated air flow(outdoor)	-	2340 m³/h
Contrast datails for abtaining the	al a alak *	the menufacture of the	a suther is a new constraint.		
			s authorised representative.		
1 1 1	E SERVICES		sterdam, Netherlands. P.O.Box 23393 1100 DW Am	etardam Not	berlands
		dustries Air-Conditioning E		ateruarii, iveli	ici al lub
			ex, UB11 1ET,United Kingdom		

RWA000Z271

Model SRK50ZSX-WFB

Information to identify the model(s) to v			If function includes heating: Indicate the I		
Indoor unit model name	SRK50ZSX		information relates to. Indicated values should relate to one		
Outdoor unit model name	SRC50ZSX	-W2	heating season at a time. Include at least	the heating sea	son 'Average'.
Eurotion (indicate if present)			Average(mandatan)	Vee	
Function(indicate if present) cooling	Yes		Average(mandatory) Warmer(if designated)	Yes Yes	
heating	Yes		Colder(if designated)	No	
neating	163		colder(il designated)	NO	
Item	symbol	value unit	Item	symbol	value class
Design load			Seasonal efficiency and energy efficiency		
cooling	Pdesignc	5 kW	cooling	SEER	8.30 A++
heating / Average	Pdesignh	4.5 kW	heating / Average	SCOP/A	4.70 A++
heating / Warmer	Pdesignh	6 kW	heating / Warmer	SCOP/W	5.89 A+++
heating / Colder	Pdesignh	- kW	heating / Colder	SCOP/C	
-					unit
Declared capacity at outdoor temperatu	-		Back up heating capacity at outdoor temp		
heating / Average (-10°C)	Pdh	4.5 kW	heating / Average (-10°C)	elbu	0 kW
heating / Warmer (2°C)	Pdh	6 kW - kW	heating / Warmer (2°C)	elbu	0 kW
heating / Colder (-22°C)	Pdh	- kW	heating / Colder (-22°C)	elbu	- kW
Declared capacity for cooling, at indoor	temperature 27/10)°C and	Declared energy efficiency ratio, at indoo	r temperature 2	7(19)°C and
outdoor temperature Tj) o and	outdoor temperature Tj	i temperature zi	(13) 0 8110
Tj=35℃	Pdc	5 kW	Tj=35℃	EERd	4.1 -
Tj=30°C	Pdc	3.7 kW	Tj=30°C	EERd	5.9 -
Tj=25℃	Pdc	2.4 kW	Tj=25℃	EERd	9.9 -
Tj=20°C	Pdc	1.5 kW	Tj=20°C	EERd	18.2 -
					<u> </u>
Declared capacity for heating / Average	e season, at indoor		Declared coefficient of performance / Ave	erage season, at	indoor
temperature 20°C and outdoor temperat	iture Tj		temperature 20°C and outdoor temperatu		
Tj=-7°C	Pdh	3.98 kW	Tj=-7°C	COPd	3.3 -
Tj=2°C	Pdh	2.42 kW	Tj=2°C	COPd	4.64 -
Tj=7°C	Pdh	1.56 kW	Tj=7°C	COPd	5.64 -
Tj=12°C	Pdh	1.06 kW	Tj=12°C	COPd	7.2 -
Tj=bivalent temperature	Pdh	4.5 kW	Tj=bivalent temperature	COPd	2.64 -
Tj=operating limit	Pdh	4.5 kW	Tj=operating limit	COPd	2.64 -
Declared capacity for heating / Warmer			Declared coefficient of performance / Wa		indoor
temperature 20°C and outdoor tempera			temperature 20°C and outdoor temperatu		
Tj=2°C	Pdh	6 kW	Tj=2°C	COPd	3.01 -
Tj=7°C	Pdh	3.9 kW	Tj=7℃	COPd	5.35 -
Tj=12°C	Pdh	1.7 kW	Tj=12°C	COPd	7.2 -
Tj=bivalent temperature	Pdh	6 kW	Tj=bivalent temperature	COPd	3.01 -
Tj=operating limit	Pdh	6 kW	Tj=operating limit	COPd	3.01 -
Declared capacity for heating / Colder s	season at indoor		Declared coefficient of performance / Col	lder season at iu	ndoor
temperature 20°C and outdoor temperat			temperature 20°C and outdoor temperatu		10001
Tj=-7°C	Pdh	- kW	Tj=-7°C	COPd	
Tj=2°C	Pdh	- kW	Tj=2°C	COPd	<u> </u>
Tj=7°C	Pdh	- kW	Tj=7°C	COPd	· ·
Tj=12°C	Pdh	- kW	Tj=12°C	COPd	
Tj=bivalent temperature	Pdh	- kW	Tj=bivalent temperature	COPd	
Ti=operating limit	Pdh	- kW	Tj=operating limit	COPd	
Tj=-15°C	Pdh	- kW	Tj=-15℃	COPd	
		· · · · · ·			
Bivalent temperature			Operating limit temperature		
heating / Average	Tbiv	-10 ℃	heating / Average	Tol	-10 °C
heating / Warmer	Tbiv	2 °C	heating / Warmer	Tol	2 °C
heating / Colder	Tbiv	- °C	heating / Colder	Tol	- °C
		1	Qualizz interval officiar as		
Cycling interval capacity	Povoo	- kW	Cycling interval efficiency for cooling	EEDovo	
for cooling for heating	Pcycc Pcych	- kW	for cooling for heating	EERcyc COPcyc	
lor heating	FCycli	- KVV	Tor fleating	COFCyc	
Degradation coefficient			Degradation coefficient		
cooling	Cdc	0.25 -	heating	Cdh	0.25 -
-					
Electric power input in power modes of			Annual electricity consumption		
off mode	Poff	4 W	cooling	Qce	211 kWh/a
standby mode	Psb	4 W	heating / Average	Qhe	1341 kWh/a
thermostat-off mode	Pto(cooling)	12 W	heating / Warmer	Qhe	1427 kWh/a
	Pto(heating)	14 W	heating / colder	Qhe	- kWh/a
crankcase heater mode	Pck	0 W	l		
Capacity control(indicate one of three of	ontions)		Other items		
Capacity control(indicate one of three c	γμαστιδ)		Sound power level(indoor)	Lwa	59 dB(A)
			Sound power level(indoor)	Lwa	63 dB(A)
fixed	No		Global warming potential	GWP	675 kgCO ₂ eq.
staged	No		Rated air flow(indoor)	-	858 m ³ /h
variable	Yes		Rated air flow(outdoor)	-	2340 m ³ /h
					<u> </u>
Contact details for obtaining Nam	ne and address of t	he manufacturer or of it	ts authorised representative.		
	MHIAE SERVICES E				
			sterdam, Netherlands. P.O.Box 23393 1100 DW	/ Amsterdam, Netl	nerlands
		lustries Air-Conditioning E			
5	The Square, Stockley	у нагк, uxbridge, Middlesi	ex, UB11 1ET, United Kingdom		

Model SRK60ZSX-WFB

Information to identify the model(s) to			If function includes heating: Indicate	5
Indoor unit model name	SRK60ZSX		information relates to. Indicated val	
Outdoor unit model name	SRC60ZSX	-W	heating season at a time. Include a	It least the heating season 'Average'.
Function(indicate if present)			Average(mandatory)	Yes
cooling	Yes		Warmer(if designated)	Yes
heating	Yes		Colder(if designated)	No
Ŭ				
Item	symbol	value unit	Item	symbol value class
Design load			Seasonal efficiency and energy effi	
cooling	Pdesignc	6.1 kW	cooling	SEER 7.80 A++
heating / Average heating / Warmer	Pdesignh Pdesignh	5.2 kW 6.8 kW	heating / Average heating / Warmer	SCOP/A 4.70 A++ SCOP/W 5.79 A+++
heating / Colder	Pdesignh	- kW	heating / Colder	SCOP/C
ficating / Colder	i designin		ricating / Colder	unit
Declared capacity at outdoor temperat	ure Tdesignh		Back up heating capacity at outdoo	
heating / Average (-10°C)	Pdh	5.2 kW	heating / Average (-10°C)	elbu 0 kW
heating / Warmer (2°C)	Pdh	6.8 kW	heating / Warmer (2°C)	elbu 0 kW
heating / Colder (-22°C)	Pdh	- kW	heating / Colder (-22°C)	elbu - kW
Declared capacity for cooling, at indoo	r temperature 27(19)°C and	Declared energy efficiency ratio, at	indoor temperature 27(19)°C and
outdoor temperature Tj Tj=35°C	Pdc	6.1 kW	outdoor temperature Tj Tj=35°C	EERd 3.6 -
Tj=30°C	Pdc	4.5 kW	Tj=30°C	EERd 5.4 -
Tj=25℃	Pdc	2.9 kW	Tj=25℃	EERd 9 -
Tj=20°C	Pdc	1.6 kW	Tj=20°C	EERd 18.4 -
Declared capacity for heating / Averag			Declared coefficient of performance	0
temperature 20°C and outdoor tempera			temperature 20°C and outdoor temp	
Tj=-7°C	Pdh	4.7 kW	Tj=-7°C	COPd 3.1 -
Tj=2°C Tj=7°C	Pdh	2.8 kW 1.8 kW	Tj=2°C Ti=7°C	COPd 4.65 -
Tj=12°C	Pdh Pdh	1.8 kW 1.1 kW	Tj=7°C Tj=12°C	COPd 5.86 - COPd 7.13 -
Tj=bivalent temperature	Pdh	5.2 kW	Tj=bivalent temperature	COPd 2.45 -
Tj=operating limit	Pdh	5.2 kW	Ti=operating limit	COPd 2.45
			·) ·p ······	
Declared capacity for heating / Warme	r season, at indoor		Declared coefficient of performance	e / Warmer season, at indoor
temperature 20°C and outdoor temperation			temperature 20°C and outdoor temp	
Tj=2°C	Pdh	6.8 kW	Tj=2°C	COPd 2.7 -
Tj=7°C	Pdh	4.37 kW	Tj=7°C	COPd 5.16 -
Tj=12°C	Pdh	1.94 kW	Tj=12°C	COPd 7.31 -
Tj=bivalent temperature	Pdh Pdh	6.8 kW 6.8 kW	Tj=bivalent temperature	COPd 2.7 - COPd 2.7 -
Tj=operating limit	Full	0.0 KVV	Tj=operating limit	COFd 2.7 -
Declared capacity for heating / Colder	season, at indoor		Declared coefficient of performance	e / Colder season, at indoor
temperature 20°C and outdoor temperative			temperature 20°C and outdoor temp	
Tj=-7°C	Pdh	- kW	Tj=-7°C	COPd
Tj=2°C	Pdh	- kW	Tj=2°C	COPd
Tj=7°C	Pdh	- kW	Tj=7°C	COPd
Tj=12°C	Pdh	- kW	Tj=12°C	COPd
Tj=bivalent temperature	Pdh	- kW	Tj=bivalent temperature	COPd
Tj=operating limit	Pdh	- kW - kW	Tj=operating limit	COPd COPd
Tj=-15℃	Pdh	- KVV	Tj=-15℃	
Bivalent temperature			Operating limit temperature	
heating / Average	Tbiv	-10 °C	heating / Average	Tol -10 °C
heating / Warmer	Tbiv	2 ℃	heating / Warmer	Tol 2 °C
heating / Colder	Tbiv	- °C	heating / Colder	Tol - °C
Cycling interval capacity	Deut	1.3.67	Cycling interval efficiency	
for cooling	Pcycc	- kW - kW	for cooling	EERcyc
for heating	Pcych	- KVV	for heating	COPcyc
Degradation coefficient			Degradation coefficient	
cooling	Cdc	0.25 -	heating	Cdh 0.25 -
-				
Electric power input in power modes of			Annual electricity consumption	
off mode	Poff	4 W	cooling	Qce 274 kWh/a
standby mode	Psb	4 W	heating / Average	Qhe 1551 kWh/a
thermostat-off mode	Pto(cooling)	12 W 14 W	heating / Warmer heating / colder	Qhe 1645 kWh/a Qhe - kWh/a
crankcase heater mode	Pto(heating) Pck	14 W 0 W		Qhe - kWh/a
	I UK	~ vv]	
Capacity control(indicate one of three	options)		Other items	
			Sound power level(indoor)	Lwa dB(A)
			Sound power level(outdoor)	Lwa dB(A)
fixed	No		Global warming potential	GWP 675 kgCO ₂ eq.
staged	No		Rated air flow(indoor)	- m³/h
variable	Yes		Rated air flow(outdoor)	- m³/h
Contact details for obtaining Nar	me and address of t	he manufacturor or	of its authorised representative.	
)MHIAE SERVICES E		or no duitorioed representative.	
I I			Amsterdam, Netherlands. P.O.Box 23393 11	00 DW Amsterdam, Netherlands
(UK)Mitsubishi Heavy Inc	lustries Air-Conditionii	ng Europe, Ltd	
5	The Square, Stockley	/ Park, Uxbridge, Mide	dlesex, UB11 1ET,United Kingdom	

Model SRK60ZSX-WFB

Information to identify the model(s) to			If function includes heating: Indicate the	-	
Indoor unit model name	SRK60ZSX		information relates to. Indicated values s		
Outdoor unit model name	SRC60ZSX	-W1	heating season at a time. Include at leas	t the heating sea	son 'Average'.
Function (indicate if present)			Average (mandator)	Vee	
Function(indicate if present) cooling	Yes		Average(mandatory) Warmer(if designated)	Yes Yes	
heating	Yes		Colder(if designated)	No	
licating	100		oolder(il designated)	No	
Item	symbol	value unit	Item	symbol	value class
Design load			Seasonal efficiency and energy efficienc		
cooling	Pdesignc	6.1 kW	cooling	SEER	7.80 A++
heating / Average	Pdesignh	5.2 kW	heating / Average	SCOP/A	4.70 A++
heating / Warmer	Pdesignh	6.8 kW	heating / Warmer	SCOP/W	5.79 A+++
heating / Colder	Pdesignh	- kW	heating / Colder	SCOP/C	
					unit
Declared capacity at outdoor tempera	-		Back up heating capacity at outdoor tem		
heating / Average (-10°C)	Pdh	5.2 kW	heating / Average (-10°C)	elbu	0 kW
heating / Warmer (2°C)	Pdh Pdh	6.8 kW	heating / Warmer (2°C)	elbu	0 kW - kW
heating / Colder (-22°C)	Pun	- KVV	heating / Colder (-22°C)	elbu	- KVV
Declared capacity for cooling, at indo	or temperature 27(10))°C and	Declared energy efficiency ratio, at indoo	or temperature 27	7(19)°C and
outdoor temperature Tj			outdoor temperature Tj	in temperature 27	(13) 0 and
Tj=35℃	Pdc	6.1 kW	Tj=35°C	EERd	3.6 -
Tj=30°C	Pdc	4.5 kW	Tj=30°C	EERd	5.4 -
Tj=25℃	Pdc	2.9 kW	Tj=25°C	EERd	9 -
Tj=20°C	Pdc	1.6 kW	Tj=20°C	EERd	18.4 -
					·
Declared capacity for heating / Avera	•		Declared coefficient of performance / Av	0	indoor
temperature 20°C and outdoor tempe			temperature 20°C and outdoor temperate		
Tj=-7°C	Pdh	4.7 kW	Tj=-7°C	COPd	3.1 -
Tj=2°C	Pdh	2.8 kW	Tj=2°C	COPd	4.65 -
Tj=7°C	Pdh	1.8 kW	Tj=7°C	COPd	5.86 -
Tj=12°C	Pdh	1.1 kW	Tj=12°C	COPd	7.13 -
Tj=bivalent temperature	Pdh	5.2 kW	Tj=bivalent temperature	COPd	2.45 -
Tj=operating limit	Pdh	5.2 kW	Tj=operating limit	COPd	2.45 -
Destand and site for heading (Margare					in de ce
Declared capacity for heating / Warm temperature 20°C and outdoor temperature			Declared coefficient of performance / Wa		Indoor
Tj=2°C	Pdh	6.8 kW	temperature 20°C and outdoor temperature Tj=2°C	COPd	2.7 -
Tj=7°C	Pdh	4.37 kW	Tj=2°C	COPd	5.16 -
Tj=12°C	Pdh	1.94 kW	Tj=12°C	COPd	7.31
Tj=bivalent temperature	Pdh	6.8 kW	Tj=bivalent temperature	COPd	2.7 -
Tj=operating limit	Pdh	6.8 kW	Ti=operating limit	COPd	2.7 -
ij opolatnig mint	. an		1) oporating mint	00.0	
Declared capacity for heating / Colde	r season, at indoor		Declared coefficient of performance / Co	lder season, at ir	ndoor
temperature 20°C and outdoor tempe			temperature 20°C and outdoor temperatu	ure Tj	
Tj=-7°C	Pdh	- kW	Tj=-7°C	COPd	
Tj=2°C	Pdh	- kW	Tj=2°C	COPd	
Tj=7°C	Pdh	- kW	Tj=7°C	COPd	
Tj=12°C	Pdh	- kW	Tj=12°C	COPd	
Tj=bivalent temperature	Pdh	- kW	Tj=bivalent temperature	COPd	
Tj=operating limit	Pdh	- kW	Tj=operating limit	COPd	
Tj=-15°C	Pdh	- kW	Tj=-15℃	COPd	
			1		
Bivalent temperature	T 1.5.		Operating limit temperature	T -1	
heating / Average	Tbiv	<u>-10</u> °C 2 °C	heating / Average	Tol Tol	10 ℃ 2 ℃
heating / Warmer	Tbiv		heating / Warmer		
heating / Colder	Tbiv	- °C	heating / Colder	Tol	- °C
Cycling interval capacity			Cycling interval efficiency		
for cooling	Pcycc	- kW	for cooling	EERcyc	<u> </u>
for heating	Pcych	- kW	for heating	COPcyc	
					· · · ·
Degradation coefficient			Degradation coefficient		
cooling	Cdc	0.25 -	heating	Cdh	0.25 -
Electric server insult in	ath an theory loss?	dal	Annual algorithments of		
Electric power input in power modes			Annual electricity consumption	0	274 LAA/5/-
off mode	Poff	4 W 4 W	cooling	Qce	274 kWh/a 1551 kWh/a
standby mode thermostat-off mode	Psb		heating / Average	Qhe	
memostat-on mode	Pto(cooling)	12 W 14 W	heating / Warmer heating / colder	Qhe Qhe	1645 kWh/a - kWh/a
crankcase heater mode	Pto(heating) Pck	14 VV 0 W		UIR	- www.a
Stankouse risator mode	i un	v • •	J		
Capacity control(indicate one of three	options)		Other items		
	. ,		Sound power level(indoor)	Lwa	dB(A)
			Sound power level(outdoor)	Lwa	dB(A)
fixed	No		Global warming potential	GWP	675 kgCO2eq.
staged	No		Rated air flow(indoor)	-	m³/h
variable	Yes		Rated air flow(outdoor)	-	m³/h
			its authorised representative.		
	J)MHIAE SERVICES E		standam Natharizzt- D.O.D. 00000 (100 Di	V Amot	adanda
			nsterdam, Netherlands. P.O.Box 23393 1100 DV	v Amsterdam, Neth	ieriands
		ustries Air-Conditioning E	Europe, Lta sex, UB11 1ET,United Kingdom		
	oquaro, otookie	, ensinago, midulea	, ==		

RWA000Z271

Model SRK20ZSX-WFT

Information to identify the model(s) to which				If function includes heating: Indicate the heating season the			
Indoor unit model name	SRK20ZSX-WFT			information relates to. Indicated values should			
Outdoor unit model name	SRC20ZS)	K-W		heating season at a time. Include at least the	heating sea	ison 'Average	e'.
Function(indicate if present)				A. (arana (mandatan i)	Vee		
cooling	Yes			Average(mandatory) Warmer(if designated)	Yes Yes		
heating	Yes			Colder(if designated)	No		
Item	symbol	value unit		Item	symbol	value	class
Design load				Seasonal efficiency and energy efficiency cla	SS		
cooling	Pdesignc	2.00 kW		cooling	SEER	10.00	A+++
heating / Average	Pdesignh	2.80 kW		heating / Average	SCOP/A	5.20	A+++
heating / Warmer	Pdesignh	3.70 kW		heating / Warmer	SCOP/W	6.70	A+++
heating / Colder	Pdesignh	- kW		heating / Colder	SCOP/C	-	-
Declared capacity at outdoor temperature T	decianh			Back up heating capacity at outdoor tempera	turo Tdosiar		unit
heating / Average (-10°C)	Pdh	2.80 kW		heating / Average (-10°C)	elbu		kW
heating / Warmer (2°C)	Pdh	3.70 kW		heating / Warmer (2°C)	elbu		kW
heating / Colder (-22°C)	Pdh	- kW		heating / Colder (-22°C)	elbu		kW
		• •		0 ,			
Declared capacity for cooling, at indoor temp	perature 27(1	9)°C and		Declared energy efficiency ratio, at indoor te	mperature 2	7(19)°C and	
outdoor temperature Tj				outdoor temperature Tj			
Tj=35°C	Pdc	2.00 kW		Tj=35°C	EERd	6.45	-
Tj=30°C	Pdc	1.47 kW		Tj=30°C	EERd	9.29	-
Tj=25°C	Pdc	1.25 kW		Tj=25°C	EERd	13.90	-
Tj=20°C	Pdc	1.36 kW		Tj=20°C	EERd	20.70	-
Declared capacity for heating / Average and	son at indas			Declared coefficient of performance / August	a saason -	indeer	
Declared capacity for heating / Average sea temperature 20°C and outdoor temperature		1		Declared coefficient of performance / Average temperature 20°C and outdoor temperature 7			
Tj=-7°C	Pdh	2.40 kW		Ti=-7°C	COPd	3.20	-
Tj=2°C	Pdh	1.48 kW		Tj=2℃	COPd	5.31	-
Ti=7°C	Pdh	0.96 kW		Ti=7°C	COPd	6.49	_
Tj=12°C	Pdh	0.96 kW		Ti=12°C	COPd	8.28	-
Tj=bivalent temperature	Pdh	2.80 kW		Tj=bivalent temperature	COPd	2.79	-
Tj=operating limit	Pdh	2.80 kW		Ti=operating limit	COPd	2.79	-
Declared capacity for heating / Warmer sea				Declared coefficient of performance / Warme		indoor	
temperature 20°C and outdoor temperature				temperature 20°C and outdoor temperature			
Tj=2°C	Pdh	3.70 kW		Tj=2°C	COPd	3.40	-
Tj=7°C	Pdh	2.40 kW		Tj=7°C	COPd	6.16	-
Tj=12°C	Pdh	1.10 kW		Tj=12°C	COPd	8.21	-
Tj=bivalent temperature	Pdh	3.70 kW		Tj=bivalent temperature	COPd	3.40	-
Tj=operating limit	Pdh	3.70 kW		Tj=operating limit	COPd	3.40	-
Declared capacity for beating / Colder seaso	n at indoor			Declared coefficient of performance / Colder	season at i	adoor	
Declared capacity for heating / Colder seaso temperature 20°C and outdoor temperature				temperature 20°C and outdoor temperature 7		10001	
Tj=-7°C	Pdh	- kW		Ti=-7°C	COPd	-	-
Tj=2°C	Pdh	- kW		Tj=2°C	COPd		-
Tj=7°C	Pdh	- kW		Ti=7°C	COPd	-	-
Tj=12°C	Pdh	- kW		Ti=12°C	COPd	-	-
Tj=bivalent temperature	Pdh	- kW		Tj=bivalent temperature	COPd	-	-
Tj=operating limit	Pdh	- kW		Ti=operating limit	COPd	-	-
Tj=-15°C	Pdh	- kW		Tj=-15°C	COPd	-	-
-		• •					
Bivalent temperature				Operating limit temperature			
heating / Average	Tbiv	<u>-10</u> °C		heating / Average	Tol	-10	°C
heating / Warmer	Tbiv	2 °C		heating / Warmer	Tol		°C
heating / Colder	Tbiv	- °C		heating / Colder	Tol	-	°C
Cycling interval consoity				Cycling interval officiency			
Cycling interval capacity for cooling	Pcycc	- kW		Cycling interval efficiency for cooling	EERcyc	T	_
for heating	Pcych	- kW		for heating	COPcyc	-	_
	. 5,511				00.090		
Degradation coefficient				Degradation coefficient			
cooling	Cdc	0.25 -		heating	Cdh	0.25	-
Electric power input in power modes other th				Annual electricity consumption	0.		
off mode	Poff	4 W		cooling	Qce		kWh/a
standby mode	Psb	4 W		heating / Average	Qhe		kWh/a
thermostat-off mode	Pto(cooling)	11 W 14 W		heating / Warmer	Qhe		kWh/a kWh/a
crankcase heater mode	Pto(heating) Pck	14 VV 0 W		heating / colder	Qhe	-	KVVII/d
	I UN						
Capacity control(indicate one of three option	is)			Other items			
	,			Sound power level(indoor)	Lwa	53	dB(A)
				Sound power level(outdoor)	Lwa	56	dB(A)
fixed	No			Global warming potential	GWP	675	kgCO₂eq.
staged	No			Rated air flow(indoor)	-	678	m³/h
variable	Yes			Rated air flow(outdoor)	-	1860	m³/h
			or of it	s authorised representative.			
	E SERVICES		M Ama	terdam, Netherlands. P.O.Box 23393 1100 DW Am	isterdam Not	herlande	
		dustries Air-Condition			ateruarii, inel	nonanuð	
				ex, UB11 1ET,United Kingdom			

RWA000Z271

Model SRK25ZSX-WFT

Information to identify the model(s) to whether the model is the model			If function includes heating: Indicate the heat	•	
Indoor unit model name	SRK25ZSX		information relates to. Indicated values should relate to one		
Outdoor unit model name	SRC25ZSX	-W	heating season at a time. Include at least th	e heating sea	ison 'Average'.
Function(indicate if present)			Average(mandatory)	Yes	
cooling	Yes		Warmer(if designated)	Yes	
heating	Yes		Colder(if designated)	No	
Item	symbol	value unit	Item	symbol	value class
Design load	- · · [0.50	Seasonal efficiency and energy efficiency c		
cooling	Pdesignc	2.50 kW 3.00 kW	cooling heating / Average	SEER SCOP/A	10.30 A+++ 5.20 A+++
heating / Average heating / Warmer	Pdesignh Pdesignh	4.20 kW	heating / Warmer	SCOP/A	6.60 A+++
heating / Colder	Pdesignh	- kW	heating / Colder	SCOP/C	
	i doolgiiii		roading / condi-	000170	unit
Declared capacity at outdoor temperatur	re Tdesignh		Back up heating capacity at outdoor temper	ature Tdesigr	۱ <u>h</u>
heating / Average (-10°C)	Pdh	3.00 kW	heating / Average (-10°C)	elbu	0 kW
heating / Warmer (2°C)	Pdh	4.20 kW	heating / Warmer (2°C)	elbu	0 kW
heating / Colder (-22°C)	Pdh	- kW	heating / Colder (-22°C)	elbu	- kW
Declared capacity for cooling, at indoor	temperature 27/10))°C and	Declared energy efficiency ratio, at indoor to	amperature 2	7(10)°C and
outdoor temperature Tj	temperature 27(18		outdoor temperature Tj		(13) O and
Tj=35℃	Pdc	2.50 kW	Tj=35℃	EERd	5.68 -
Tj=30°C	Pdc	1.84 kW	Tj=30°C	EERd	8.75 -
Tj=25°C	Pdc	1.27 kW	Tj=25℃	EERd	14.10 -
Tj=20°C	Pdc	1.40 kW	Tj=20°C	EERd	20.40 -
Deployed conceits for hereits at Asse	accord at to de		Declared coefficient of performance / 1		indoor
Declared capacity for heating / Average temperature 20°C and outdoor temperat			Declared coefficient of performance / Avera temperature 20°C and outdoor temperature		IIIQOOI
Tj=-7°C	Pdh	2.61 kW	Ti=-7°C	COPd	3.15 -
Tj=2°C	Pdh	1.59 kW	Tj=2°C	COPd	5.30 -
Tj=7℃	Pdh	1.03 kW	Tj=7℃	COPd	6.58 -
Tj=12°C	Pdh	0.96 kW	Tj=12°C	COPd	8.30 -
Tj=bivalent temperature	Pdh	3.00 kW	Tj=bivalent temperature	COPd	2.69 -
Tj=operating limit	Pdh	3.00 kW	Tj=operating limit	COPd	2.69 -
Declared capacity for heating / Warmer	accord at indeer		Declared coefficient of performance / Warm		indees
temperature 20°C and outdoor temperat			temperature 20°C and outdoor temperature		Indoor
Tj=2°C	Pdh	4.20 kW	Tj=2°C	COPd	3.30 -
Tj=7℃	Pdh	2.70 kW	Tj=7℃	COPd	5.90 -
Tj=12°C	Pdh	1.20 kW	Tj=12°C	COPd	8.31 -
Tj=bivalent temperature	Pdh	4.20 kW	Tj=bivalent temperature	COPd	3.30 -
Tj=operating limit	Pdh	4.20 kW	Tj=operating limit	COPd	3.30 -
Declared capacity for heating / Colder se	accon at indeer		Declared coefficient of performance / Colde	r accord at it	adaar
temperature 20°C and outdoor temperat			temperature 20°C and outdoor temperature		10001
Tj=-7°C	Pdh	- kW	Tj=-7°C	COPd	
Tj=2°C	Pdh	- kW	Tj=2°C	COPd	
Tj=7°C	Pdh	- kW	Tj=7°C	COPd	
Tj=12°C	Pdh	- kW	Tj=12°C	COPd	
Tj=bivalent temperature	Pdh	- kW	Tj=bivalent temperature	COPd	
Tj=operating limit Tj=-15°C	Pdh Pdh	- kW - kW	Tj=operating limit Tj=-15°C	COPd COPd	
1]=-15 C	Full	- KVV	IJ=-15 C	COPU	
Bivalent temperature			Operating limit temperature		
heating / Average	Tbiv	-10 °C	heating / Average	Tol	-10 °C
heating / Warmer	Tbiv	2 °C	heating / Warmer	Tol	2 °C
heating / Colder	Tbiv	- °C	heating / Colder	Tol	- °C
Cycling interval canacity			Cycling interval efficiency		
Cycling interval capacity for cooling	Pcycc	- kW	for cooling	EERcyc	
for heating	Pcych	- kW	for heating	COPcyc	
			g		· · · ·
Degradation coefficient			Degradation coefficient		
cooling	Cdc	0.25 -	heating	Cdh	0.25 -
Electric power input in power modes oth	or then lastive me	do'	Annual electricity consumption		
off mode	Poff	4 W	cooling	Qce	85 kWh/a
standby mode	Psb	4 W	heating / Average	Qte	808 kWh/a
thermostat-off mode	Pto(cooling)	11 W	heating / Warmer	Qhe	891 kWh/a
	Pto(heating)	14 W	heating / colder	Qhe	- kWh/a
crankcase heater mode	Pck	0 W			
Capacity control(indicate one of three op	otions)		Other items Sound power level(indoor)	Lwa	55 dB(A)
			Sound power level(indoor) Sound power level(outdoor)	Lwa Lwa	55 dB(A) 57 dB(A)
fixed	No		Global warming potential	GWP	675 kgCO ₂ eq.
staged	No		Rated air flow(indoor)	-	732 m³/h
variable	Yes		Rated air flow(outdoor)	-	1860 m³/h
Contrast datails for obtain!	a and citizen and	he menuft	a subbasiand same		
· · · ·	e and address of t MHIAE SERVICES E		ts authorised representative.		
			sterdam, Netherlands. P.O.Box 23393 1100 DW A	msterdam, Net	herlands
		ustries Air-Conditioning E			
51	he Square, Stockley	Park, Uxbridge, Middlese	ex, UB11 1ET,United Kingdom		

RWA000Z271

Model SRK35ZSX-WFT

Information to identify the model(s) to			If function includes heating: Indicate the heating season the			
Indoor unit model name	SRK35ZS)		information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.			
Outdoor unit model name	SRC35ZS)	(-W	heating season at a time. Include at leas	t the heating sea	son 'Average'.	
Function(indicate if present)			Average(mandatory)	Yes		
cooling	Yes		Warmer(if designated)	Yes		
heating	Yes		Colder(if designated)	No		
liounig			Coldor(II doolghatod)			
Item	symbol	value unit	Item	symbol	value class	
Design load			Seasonal efficiency and energy efficienc	y class		
cooling	Pdesignc	3.50 kW	cooling	SEER	9.50 A+++	
heating / Average	Pdesignh	3.40 kW	heating / Average	SCOP/A	5.10 A+++	
heating / Warmer	Pdesignh	4.70 kW	heating / Warmer	SCOP/W	6.50 A+++	
heating / Colder	Pdesignh	- kW	heating / Colder	SCOP/C		
Declared capacity at outdoor temper	aturo Tdocianh		Back up heating capacity at outdoor tem	poraturo Tdosiar	unit	
heating / Average (-10°C)	Pdh	3.40 kW	heating / Average (-10°C)	elbu	0 kW	
heating / Warmer (2°C)	Pdh	4.70 kW	heating / Warmer (2°C)	elbu	0 kW	
heating / Colder (-22°C)	Pdh	- kW	heating / Colder (-22°C)	elbu	- kW	
Declared capacity for cooling, at indo	oor temperature 27(19	9)°C and	Declared energy efficiency ratio, at indoo	or temperature 27	(19)°C and	
outdoor temperature Tj			outdoor temperature Tj			
Tj=35°C	Pdc	3.50 kW	Tj=35°C	EERd	4.73 -	
Tj=30°C	Pdc	2.58 kW	Tj=30°C	EERd	7.29 -	
Tj=25°C	Pdc	1.66 kW	Tj=25°C	EERd	12.43 -	
Tj=20°C	Pdc	1.38 kW	Tj=20°C	EERd	19.00 -	
Declared capacity for bacting / Aver	ne season of indear		Declared coefficient of performance / Au		indoor	
Declared capacity for heating / Avera temperature 20°C and outdoor temperature			Declared coefficient of performance / Av temperature 20°C and outdoor temperation		mauor	
Tj=-7°C	Pdh	2.95 kW	Ti=-7°C	COPd	3.10 -	
Tj=2°C	Pdh	1.77 kW	Tj=2°C	COPd	5.18 -	
Tj=7°C	Pdh	1.20 kW	Tj=2°C	COPd	6.46 -	
Tj=12°C	Pdh	1.00 kW	Tj=12°C	COPd	8.10 -	
Tj=bivalent temperature	Pdh	3.40 kW	Tj=bivalent temperature	COPd	2.61 -	
Tj=operating limit	Pdh	3.40 kW	Tj=operating limit	COPd	2.61 -	
Declared capacity for heating / Warn			Declared coefficient of performance / Wa		indoor	
temperature 20°C and outdoor temperature			temperature 20°C and outdoor temperate		I	
Tj=2°C	Pdh	4.70 kW	Tj=2°C	COPd	3.10 -	
Tj=7°C	Pdh	3.00 kW	Tj=7°C	COPd	5.82 -	
Tj=12°C	Pdh	1.30 kW	Tj=12°C	COPd	8.20 -	
Tj=bivalent temperature	Pdh	4.70 kW	Tj=bivalent temperature	COPd	3.10 -	
Tj=operating limit	Pdh	4.70 kW	Tj=operating limit	COPd	3.10 -	
Declared capacity for beating / Colds	r season at indoor		Declared coefficient of performance / Co	lder season at ir	door	
Declared capacity for heating / Colde temperature 20°C and outdoor temperature			temperature 20°C and outdoor temperati		10001	
Tj=-7°C	Pdh	- kW	Tj=-7°C	COPd		
Tj=2°C	Pdh	- kW	Tj=2°C	COPd		
Tj=7°C	Pdh	- kW	Tj=7°C	COPd		
Tj=12°C	Pdh	- kW	Tj=12°C	COPd		
Ti=bivalent temperature	Pdh	- kW	Tj=bivalent temperature	COPd		
Ti=operating limit	Pdh	- kW	Tj=operating limit	COPd		
Tj=-15°C	Pdh	- kW	Tj=-15℃	COPd		
-					•	
Bivalent temperature			Operating limit temperature			
heating / Average	Tbiv	-10 ℃	heating / Average	Tol	-10 ℃	
heating / Warmer	Tbiv	2 °C	heating / Warmer	Tol	2 °C	
heating / Colder	Tbiv	- °C	heating / Colder	Tol	- °C	
			Cycling interval efficiency			
Cycling interval capacity for cooling	Pcycc	- kW	Cycling interval efficiency for cooling	EERcyc		
for heating	Pcych	- kW	for heating	COPcyc		
	. 0,011					
Degradation coefficient			Degradation coefficient			
cooling	Cdc	0.25 -	heating	Cdh	0.25 -	
Electric power input in power modes			Annual electricity consumption			
off mode	Poff	4 W	cooling	Qce	129 kWh/a	
standby mode	Psb	4 W	heating / Average	Qhe	934 kWh/a	
thermostat-off mode	Pto(cooling)	11 W 14 W	heating / Warmer	Qhe	1013 kWh/a	
crankcase heater mode	Pto(heating) Pck	14 VV 0 W	heating / colder	Qhe	- kWh/a	
	r un		I			
Capacity control(indicate one of three	e options)		Other items			
			Sound power level(indoor)	Lwa	58 dB(A)	
			Sound power level(outdoor)	Lwa	61 dB(A)	
fixed	No		Global warming potential	GWP	675 kgCO2eq.	
staged	No		Rated air flow(indoor)	-	786 m³/h	
variable	Yes		Rated air flow(outdoor)	-	2160 m³/h	
			ts authorised representative.			
more information (E	U)MHIAE SERVICES I		stordom Notherlanda B.O. Boy 20202 4400 DV	V Amotordom N-4	orlando	
		una ArenA, 1101 CM Am Iustries Air-Conditioning E	sterdam, Netherlands. P.O.Box 23393 1100 DV	v Amsteruam, Netr	GIIdilus	
			ex, UB11 1ET,United Kingdom			

RWA000Z271

Model SRK50ZSX-WFT

Information to identify the model(s) to v			If function includes heating: Indicate the heating season the		
Indoor unit model name	SRK50ZS)		information relates to. Indicated values should relate to one		
Outdoor unit model name	SRC50ZS2	-W	heating season at a time. Include at least	the heating sea	son 'Average'.
Function(indicate if present)			Average(mandatory)	Yes	
cooling	Yes		Warmer(if designated)	Yes	
heating	Yes		Colder(if designated)	No	
U					
Item	symbol	value unit	Item	symbol	value class
Design load			Seasonal efficiency and energy efficiency	•	
cooling	Pdesignc	5 kW	cooling	SEER	8.30 A++
heating / Average	Pdesignh	4.5 kW 6 kW	heating / Average heating / Warmer	SCOP/A SCOP/W	4.70 A++ 5.89 A+++
heating / Warmer heating / Colder	Pdesignh Pdesignh	- kW	heating / Colder	SCOP/C	5.09 ATTT
neating / Colder	Fuesignin	- 100	rieating / Colder	300F/0	unit
Declared capacity at outdoor temperate	ure Tdesignh		Back up heating capacity at outdoor tem	perature Tdesign	
heating / Average (-10°C)	Pdh	4.5 kW	heating / Average (-10°C)	elbu	0 kW
heating / Warmer (2°C)	Pdh	6 kW	heating / Warmer (2°C)	elbu	0 kW
heating / Colder (-22°C)	Pdh	- kW	heating / Colder (-22°C)	elbu	- kW
Declared capacity for cooling, at indoor	temperature 27(19	9)°C and	Declared energy efficiency ratio, at indoc	r temperature 27	7(19)°C and
outdoor temperature Tj Tj=35°C	Pdc	5 kW	outdoor temperature Tj Tj=35°C	EERd	4.1 -
Tj=30°C	Pdc	3.7 kW	Tj=30°C	EERd	5.9 -
Tj=25℃	Pdc	2.4 kW	Tj=25℃	EERd	9.9 -
Tj=20°C	Pdc	1.5 kW	Tj=20°C	EERd	18.2 -
Declared capacity for heating / Average			Declared coefficient of performance / Ave		indoor
temperature 20°C and outdoor tempera			temperature 20°C and outdoor temperatu		
Tj=-7°C	Pdh	3.98 kW	Tj=-7°C	COPd	3.3 -
Tj=2°C	Pdh	2.42 kW	Tj=2°C	COPd	4.64 -
Tj=7°C Tj=12°C	Pdh Pdh	1.56 kW 1.06 kW	Tj=7°C Tj=12°C	COPd COPd	<u>5.64</u> - 7.2 -
Tj=bivalent temperature	Pdh	4.5 kW	Tj=bivalent temperature	COPd	2.64 -
Tj=operating limit	Pdh	4.5 kW	Tj=operating limit	COPd	2.64 -
	1 dif	4.0		0014	2.04
Declared capacity for heating / Warmer	r season, at indoor		Declared coefficient of performance / Wa	armer season, at	indoor
temperature 20°C and outdoor tempera	ature Tj		temperature 20°C and outdoor temperatu	ure Tj	
Tj=2°C	Pdh	6 kW	Tj=2°C	COPd	3.01 -
Tj=7°C	Pdh	3.9 kW	Tj=7°C	COPd	5.35 -
Tj=12℃	Pdh	1.7 kW	Tj=12°C	COPd	7.2 -
Tj=bivalent temperature	Pdh	6 kW	Tj=bivalent temperature	COPd	3.01 -
Tj=operating limit	Pdh	6 kW	Tj=operating limit	COPd	3.01 -
Declared capacity for heating / Colder s	season. at indoor		Declared coefficient of performance / Co	lder season, at ir	ndoor
temperature 20°C and outdoor temperat			temperature 20°C and outdoor temperatu		
Tj=-7°C	Pdh	- kW	Tj=-7°C	COPd	
Tj=2°C	Pdh	- kW	Tj=2°C	COPd	
Tj=7°C	Pdh	- kW	Tj=7°C	COPd	
Tj=12°C	Pdh	- kW	Tj=12°C	COPd	
Tj=bivalent temperature	Pdh	- kW	Tj=bivalent temperature	COPd	
Tj=operating limit	Pdh	- kW	Tj=operating limit	COPd	
Tj=-15℃	Pdh	- kW	Tj=-15°C	COPd	
Bivalent temperature			Operating limit temperature		
heating / Average	Tbiv	-10 °C	heating / Average	Tol	-10 °C
heating / Warmer	Tbiv	2 ℃	heating / Warmer	Tol	2 °C
heating / Colder	Tbiv	- °C	heating / Colder	Tol	- °C
Cycling interval capacity	5		Cycling interval efficiency		I
for cooling	Pcycc	- kW - kW	for cooling	EERcyc	
for heating	Pcych	- KVV	for heating	COPcyc	
Degradation coefficient			Degradation coefficient		
cooling	Cdc	0.25 -	heating	Cdh	0.25 -
			U		
Electric power input in power modes ot	her than 'active mo		Annual electricity consumption		
off mode	Poff	4 W	cooling	Qce	211 kWh/a
standby mode	Psb	4 W	heating / Average	Qhe	1341 kWh/a
thermostat-off mode	Pto(cooling)	12 W	heating / Warmer	Qhe	1427 kWh/a
crankcase heater mode	Pto(heating) Pck	14 W 0 W	heating / colder	Qhe	- kWh/a
	L CV	U 190	1		
Capacity control(indicate one of three of	options)		Other items		
	. /		Sound power level(indoor)	Lwa	59 dB(A)
			Sound power level(outdoor)	Lwa	63 dB(A)
fixed	No		Global warming potential	GWP	675 kgCO2eq.
staged	No		Rated air flow(indoor)	-	858 m³/h
variable	Yes		Rated air flow(outdoor)	-	2340 m³/h
Contact details for obtaining Nan	he and address of t	he manufacturer or of H	ts authorised representative.		
1 · · · · ·	MHIAE SERVICES I				
			sterdam, Netherlands. P.O.Box 23393 1100 DW	/ Amsterdam, Neth	nerlands
(UK)	Mitsubishi Heavy Inc	ustries Air-Conditioning E	urope, Ltd		
5	The Square, Stockle	/ Park, Uxbridge, Middlese	ex, UB11 1ET, United Kingdom		

RWA000Z271

Model SRK50ZSX-WFT

Information to identify the model(s) t			If function includes heating: Indicate the h			
Indoor unit model name	SRK50ZSX		information relates to. Indicated values should relate to one			
Outdoor unit model name	SRC50ZSX	-W1	heating season at a time. Include at least	the heating sea	son 'Average	e'.
Function(indicate if present)			Average(mandatory)	Yes		
cooling	Yes		Warmer(if designated)	Yes		
heating	Yes		Colder(if designated)	No		
Item	symbol	value unit	Item	symbol	value	class
Design load cooling	Pdesignc	5 kW	Seasonal efficiency and energy efficiency cooling	class SEER	8.30	A++
heating / Average	Pdesignh	4.5 kW	heating / Average	SCOP/A	4.70	A++
heating / Warmer	Pdesignh	6 kW	heating / Warmer	SCOP/W	5.89	A+++
heating / Colder	Pdesignh	- kW	heating / Colder	SCOP/C	-	-
						unit
Declared capacity at outdoor temper			Back up heating capacity at outdoor temp			
heating / Average (-10°C) heating / Warmer (2°C)	Pdh Pdh	4.5 kW 6 kW	heating / Average (-10°C) heating / Warmer (2°C)	elbu	0	kW kW
heating / Colder (-22°C)	Pdh	- kW	heating / Colder (-22°C)	elbu elbu	-	kW
	1 dil		Treating / Colder (-22 C)	Cibu	-	NVV
Declared capacity for cooling, at inde	oor temperature 27(19	9)°C and	Declared energy efficiency ratio, at indoor	temperature 27	7(19)°C and	
outdoor temperature Tj		·	outdoor temperature Tj			
Tj=35°C	Pdc	5 kW	Tj=35°C	EERd	4.1	-
Tj=30°C	Pdc	3.7 kW	Tj=30°C	EERd	5.9	-
Tj=25°C	Pdc	2.4 kW	Tj=25℃	EERd	9.9	-
Tj=20°C	Pdc	1.5 kW	Tj=20°C	EERd	18.2	-
Declared capacity for heating / Aver	age season, at indoor		Declared coefficient of performance / Ave	rage season, at	indoor	
temperature 20°C and outdoor temp			temperature 20°C and outdoor temperature			
Tj=-7°C	Pdh	3.98 kW	Tj=-7°C	COPd	3.3	-
Tj=2°C	Pdh	2.42 kW	Tj=2°C	COPd	4.64	-
Tj=7°C	Pdh	1.56 kW	Tj=7°C	COPd	5.64	-
Tj=12°C	Pdh Pdh	1.06 kW 4.5 kW	Tj=12°C	COPd COPd	7.2	-
Tj=bivalent temperature Tj=operating limit	Pdh	4.5 kW	Tj=bivalent temperature Tj=operating limit	COPd	2.64	-
	Full	4.5		COFU	2.04	-
Declared capacity for heating / Warr	mer season, at indoor		Declared coefficient of performance / War	rmer season, at	indoor	
temperature 20°C and outdoor temp			temperature 20°C and outdoor temperature			
Tj=2°C	Pdh	6 kW	Tj=2°C	COPd	3.01	-
Tj=7°C	Pdh	3.9 kW	Tj=7°C	COPd	5.35	-
Tj=12°C Tj=bivalent temperature	Pdh Pdh	1.7 kW 6 kW	Tj=12°C Tj=bivalent temperature	COPd COPd	7.2 3.01	-
Tj=operating limit	Pdh	6 kW	Tj=operating limit	COPd	3.01	-
			1) opolating mint	00.0	0.01	
Declared capacity for heating / Cold			Declared coefficient of performance / Colo		ndoor	
temperature 20°C and outdoor temp			temperature 20°C and outdoor temperatur			,
Tj=-7°C	Pdh	- kW	Tj=-7°C	COPd	-	-
Tj=2°C	Pdh Pdh	- kW - kW	Tj=2°C Tj=7°C	COPd COPd	-	-
Tj=7°C Tj=12°C	Pdh	- kW	Tj=12°C	COPd		-
Tj=bivalent temperature	Pdh	- kW	Tj=bivalent temperature	COPd	-	-
Ti=operating limit	Pdh	- kW	Tj=operating limit	COPd	-	-
Tj=-15°C	Pdh	- kW	Tj=-15°C	COPd	-	-
Bivalent temperature	This	10 00	Operating limit temperature	Tal	40	°0
heating / Average heating / Warmer	Tbiv Tbiv	0°C 2°C	heating / Average heating / Warmer	Tol Tol	-10 2	ີ ວິ
heating / Colder	Tbiv	- °C	heating / Colder	Tol	-	°C
	1517	Ũ	heating / bolder	101	_	0
Cycling interval capacity			Cycling interval efficiency		·	
for cooling	Pcycc	- kW	for cooling	EERcyc	-	-
for heating	Pcych	- kW	for heating	COPcyc	-	-
Degradation coefficient			Degradation coefficient			
cooling	Cdc	0.25 -	heating	Cdh	0.25	_
Electric power input in power modes			Annual electricity consumption			,
off mode	Poff	4 W	cooling	Qce	211	kWh/a
standby mode thermostat-off mode	Psb	4 W 12 W	heating / Average heating / Warmer	Qhe Qhe	1341 1427	kWh/a kWh/a
inerniostat-on niode	Pto(cooling) Pto(heating)	12 W	heating / colder	Qhe	-	kWh/a
crankcase heater mode	Pto(neating) Pck	0 W	nouting / colder	סוועי		a
Capacity control(indicate one of three	e options)		Other items		· · · · ·	
			Sound power level(indoor)	Lwa	59	dB(A)
fixed	N		Sound power level(outdoor)	Lwa	63	dB(A)
fixed staged	No No		Global warming potential Rated air flow(indoor)	GWP	675 858	kgCO₂eq. m³/h
variable	Yes		Rated air flow(indoor) Rated air flow(outdoor)	-	2340	m³/h
			s authorised representative.			
more information (I	EU)MHIAE SERVICES		standom Natharlanda D.O.D., 00000 (100 Tim	Amoto-dev Marine	norlor	
		una ArenA, 1101 CM Ams lustries Air-Conditioning E	sterdam, Netherlands. P.O.Box 23393 1100 DW	Amsterdam, Neth	leriands	
0			ex, UB11 1ET,United Kingdom			
			-			

RWA000Z271

Model SRK50ZSX-WFT

Information to identify the model(s) to w			If function includes heating: Indicate the he		
Indoor unit model name	SRK50ZSX		information relates to. Indicated values should relate to one		
Outdoor unit model name	SRC50ZSX	-W2	heating season at a time. Include at least the	he heating sea	son 'Average'.
Function(indicate if present)			Average(mandatory)	Yes	
cooling	Yes		Warmer(if designated)	Yes	
heating	Yes		Colder(if designated)	No	
0					
Item	symbol	value unit	Item	symbol	value class
Design load	-		Seasonal efficiency and energy efficiency of		
cooling	Pdesignc	5 kW	cooling	SEER	8.30 A++
heating / Average	Pdesignh	4.5 kW	heating / Average heating / Warmer	SCOP/A	4.70 A++
heating / Warmer heating / Colder	Pdesignh Pdesignh	6 kW - kW	heating / Colder	SCOP/W SCOP/C	5.89 A+++
	Fuesignin		neating / Colder	300F/0	unit
Declared capacity at outdoor temperatu	re Tdesignh		Back up heating capacity at outdoor tempe	rature Tdesign	
heating / Average (-10°C)	Pdh	4.5 kW	heating / Average (-10°C)	elbu	0 kW
heating / Warmer (2°C)	Pdh	6 kW	heating / Warmer (2°C)	elbu	0 kW
heating / Colder (-22°C)	Pdh	- kW	heating / Colder (-22°C)	elbu	- kW
Declared capacity for cooling, at indoor	temperature 27(19)°C and	Declared energy efficiency ratio, at indoor	temperature 2	7(19)°C and
outdoor temperature Tj Tj=35°C	Pdc	5 kW	outdoor temperature Tj Ti=35°C	EERd	4.4
Tj=30°C	Pdc	5 kW 3.7 kW	Tj=30°C	EERd	<u>4.1</u> - 5.9 -
Tj=25°C	Pdc	2.4 kW	Tj=25℃	EERd	9.9 -
Tj=20°C	Pdc	1.5 kW	Tj=20°C	EERd	18.2 -
			.)		
Declared capacity for heating / Average			Declared coefficient of performance / Avera		indoor
temperature 20°C and outdoor tempera	· · · · ·		temperature 20°C and outdoor temperature		
Tj=-7°C	Pdh	3.98 kW	Tj=-7°C	COPd	3.3 -
Tj=2°C	Pdh	2.42 kW	Tj=2°C	COPd	4.64 -
Tj=7°C	Pdh	1.56 kW 1.06 kW	Tj=7°C	COPd COPd	<u>5.64</u> - 7.2 -
Tj=12°C Tj=bivalent temperature	Pdh Pdh	1.06 kW 4.5 kW	Tj=12°C Tj=bivalent temperature	COPd	2.64 -
Tj=operating limit	Pdh	4.5 kW	Tj=operating limit	COPd	2.64 -
	i un	4.0		0010	2.04
Declared capacity for heating / Warmer	season, at indoor		Declared coefficient of performance / Warr	ner season, at	indoor
temperature 20°C and outdoor tempera	ture Tj		temperature 20°C and outdoor temperature	e Tj	
Tj=2°C	Pdh	6 kW	Tj=2°C	COPd	3.01 -
Tj=7°C	Pdh	3.9 kW	Tj=7°C	COPd	5.35 -
Tj=12°C	Pdh	1.7 kW	Tj=12°C	COPd	7.2 -
Tj=bivalent temperature	Pdh	6 kW	Tj=bivalent temperature	COPd	3.01 -
Tj=operating limit	Pdh	6 kW	Tj=operating limit	COPd	3.01 -
Declared capacity for heating / Colder s	eason, at indoor		Declared coefficient of performance / Colde	er season, at i	ndoor
temperature 20°C and outdoor tempera			temperature 20°C and outdoor temperature		
Tj=-7°C	Pdh	- kW	Tj=-7°C	COPd	
Tj=2°C	Pdh	- kW	Tj=2°C	COPd	
Tj=7°C	Pdh	- kW	Tj=7°C	COPd	
Tj=12°C	Pdh	- kW	Tj=12°C	COPd	
Tj=bivalent temperature	Pdh	- kW	Tj=bivalent temperature	COPd	
Tj=operating limit	Pdh	- kW - kW	Tj=operating limit	COPd	
Tj=-15℃	Pdh	- KVV	Tj=-15℃	COPd	
Bivalent temperature			Operating limit temperature		
heating / Average	Tbiv	-10 °C	heating / Average	Tol	-10 °C
heating / Warmer	Tbiv	2 °C	heating / Warmer	Tol	2 °C
heating / Colder	Tbiv	- °C	heating / Colder	Tol	- °C
Cycling interval capacity	Бала Г		Cycling interval efficiency	EED	I
for cooling	Pcycc Pcych	- kW - kW	for cooling	EERcyc COPcyc	
for heating	Fuyun		for heating	COFCYC	- 1-
Degradation coefficient			Degradation coefficient		
cooling	Cdc	0.25 -	heating	Cdh	0.25 -
		•			• •
Electric power input in power modes oth			Annual electricity consumption		
off mode	Poff	4 W	cooling	Qce	211 kWh/a
standby mode	Psb	4 W	heating / Average	Qhe	1341 kWh/a
thermostat-off mode	Pto(cooling)	12 W 14 W	heating / Warmer	Qhe	1427 kWh/a
crankcase heater mode	Pto(heating) Pck	0 W	heating / colder	Qhe	- kWh/a
Standade Heater mode	I UN	~ ^{vv}	l		
Capacity control(indicate one of three o	ptions)		Other items		
			Sound power level(indoor)	Lwa	59 dB(A)
			Sound power level(outdoor)	Lwa	63 dB(A)
fixed	No		Global warming potential	GWP	675 kgCO2eq.
staged	No		Rated air flow(indoor)	-	858 m³/h
variable	Yes		Rated air flow(outdoor)	-	2340 m³/h
Contact details for obtaining Nam	e and address of #	e manufacturer or of it	ts authorised representative.		
	MHIAE SERVICES B				
r (sterdam, Netherlands. P.O.Box 23393 1100 DW A	Amsterdam, Net	nerlands
		ustries Air-Conditioning E			
5	The Square, Stockley	Park, Uxbridge, Middlese	ex, UB11 1ET, United Kingdom		

RWA000Z271

Model SRK60ZSX-WFT

Information to identify the model(s) to w			If function includes heating: Indicate the heating season the		
Indoor unit model name	SRK60ZS)		information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.		
Outdoor unit model name	SRC60ZS)	-W	heating season at a time. Include at least t	the heating sea	ison 'Average'.
Function/indicate if present)			Average (mandatanı)	Vee	
Function(indicate if present) cooling	Yes		Average(mandatory) Warmer(if designated)	Yes Yes	
heating	Yes		Colder(if designated)	No	
Item	symbol	value unit	Item	symbol	value class
Design load			Seasonal efficiency and energy efficiency	class	
cooling	Pdesignc	6.1 kW	cooling	SEER	7.80 A++
heating / Average	Pdesignh	5.2 kW	heating / Average	SCOP/A	4.70 A++
heating / Warmer	Pdesignh	6.8 kW	heating / Warmer	SCOP/W	5.79 A+++
heating / Colder	Pdesignh	- kW	heating / Colder	SCOP/C	
Declared capacity at outdoor temperatu	ro Tdosianh		Back up heating capacity at outdoor tempe	oraturo Tdosiar	unit
heating / Average (-10°C)	Pdh	5.2 kW	heating / Average (-10°C)	elbu	0 kW
heating / Warmer (2°C)	Pdh	6.8 kW	heating / Warmer (2°C)	elbu	0 kW
heating / Colder (-22°C)	Pdh	- kW	heating / Colder (-22°C)	elbu	- kW
		· · · · · · · · · · · · · · · · · · ·	,		• •
Declared capacity for cooling, at indoor	temperature 27(19	9)°C and	Declared energy efficiency ratio, at indoor	temperature 27	7(19)°C and
outdoor temperature Tj			outdoor temperature Tj		
Tj=35°C	Pdc	6.1 kW	Tj=35°C	EERd	3.6 -
Tj=30°C	Pdc	4.5 kW	Tj=30°C	EERd	5.4 -
Tj=25°C	Pdc	2.9 kW	Tj=25°C	EERd	9 -
Tj=20°C	Pdc	1.6 kW	Tj=20°C	EERd	18.4 -
Declared care if the instant			Destandes off		la de es
Declared capacity for heating / Average			Declared coefficient of performance / Aver temperature 20°C and outdoor temperature	0	INDOOL
temperature 20°C and outdoor temperat Tj=-7°C	Pdh	4.7 kW	temperature 20°C and outdoor temperatur	COPd	3.1 -
Tj=2°C	Pdh	2.8 kW	,	COPd	4.65 -
Tj=7°C	Pdh	1.8 kW	Tj=2°C Tj=7°C	COPd	<u>4.65</u> - 5.86 -
Tj=12°C	Pan Pdh	1.8 KVV 1.1 kW	Tj=7 C Tj=12°C	COPd	5.86 - 7.13 -
Tj=bivalent temperature	Pdh	5.2 kW	Tj=bivalent temperature	COPd	2.45 -
Tj=operating limit	Pdh	5.2 kW	Tj=operating limit	COPd	2.45 -
	Full	J.2 KVV		COFU	2.43 -
Declared capacity for heating / Warmer	season, at indoor		Declared coefficient of performance / War	mer season, at	indoor
temperature 20°C and outdoor temperat	ture Tj		temperature 20°C and outdoor temperatur		
Tj=2°C	Pdh	6.8 kW	Tj=2°C	COPd	2.7 -
Tj=7°C	Pdh	4.37 kW	Tj=7°C	COPd	5.16 -
Tj=12°C	Pdh	1.94 kW	Tj=12°C	COPd	7.31 -
Tj=bivalent temperature	Pdh	6.8 kW	Tj=bivalent temperature	COPd	2.7 -
Tj=operating limit	Pdh	6.8 kW	Tj=operating limit	COPd	2.7 -
Declared capacity for heating / Colder s			Declared coefficient of performance / Cold		ndoor
temperature 20°C and outdoor temperat			temperature 20°C and outdoor temperatur		
Tj=-7°C	Pdh	- kW	Tj=-7°C	COPd	
Tj=2°C	Pdh	- kW	Tj=2°C	COPd	
Tj=7°C	Pdh	- kW	Tj=7°C	COPd	
Tj=12°C	Pdh	- kW	Tj=12°C	COPd	
Tj=bivalent temperature	Pdh		Tj=bivalent temperature	COPd	
Tj=operating limit	Pdh	- kW	Tj=operating limit	COPd	
Tj=-15°C	Pdh	- kW	Tj=-15℃	COPd	
Bivalent temperature			Operating limit temperature		
heating / Average	Tbiv	-10 °C	heating / Average	Tol	-10 °C
heating / Warmer	Tbiv	2 °C	heating / Warmer	Tol	2 °C
heating / Colder	Tbiv	- °C	heating / Colder	Tol	- °C
Cycling interval capacity			Cycling interval efficiency		
for cooling	Pcycc	- kW	for cooling	EERcyc	<u> </u>
for heating	Pcych	- kW	for heating	COPcyc	
Degradation coefficient			Degradation coefficient		
cooling	Cdc	0.25 -	heating	Cdh	0.25
	000	0.20	neuting	Guil	0.20
Electric power input in power modes oth	er than 'active mo	de'	Annual electricity consumption		
off mode	Poff	4 W	cooling	Qce	274 kWh/a
standby mode	Psb	4 W	heating / Average	Qhe	1551 kWh/a
thermostat-off mode	Pto(cooling)	12 W	heating / Warmer	Qhe	1645 kWh/a
	Pto(heating)	14 W	heating / colder	Qhe	- kWh/a
crankcase heater mode	Pck	0 W	l		
			Othersite		
Capacity control(indicate one of three of	puons)		Other items Sound power level(indoor)	Lwa	dB(A)
			Sound power level(indoor) Sound power level(outdoor)	Lwa Lwa	dB(A) dB(A)
fixed	No		Global warming potential	GWP	675 kgCO ₂ eq.
staged	No		Rated air flow(indoor)	GWP	675 kgCO ₂ eq. m ³ /h
variable	Yes		Rated air flow(indoor)	-	m³/h
	103				
Contact details for obtaining Nam	e and address of t	he manufacturer or of it	ts authorised representative.		
	MHIAE SERVICES I				
			sterdam, Netherlands. P.O.Box 23393 1100 DW	Amsterdam, Net	herlands
		ustries Air-Conditioning E			
51	he Square, Stockle	Park, Uxbridge, Middlese	ex, UB11 1ET,United Kingdom		

RWA000Z271

Model SRK60ZSX-WFT

Information to identify the model(s) to			If function includes heating: Indicate the	-	
Indoor unit model name	SRK60ZSX		information relates to. Indicated values s		
Outdoor unit model name	SRC60ZSX	-W1	heating season at a time. Include at leas	st the heating season 'A	Average'.
Function(indicate if present)			Average(mandatory)	Vee	
cooling	Yes		Average(mandatory) Warmer(if designated)	Yes Yes	
heating	Yes		Colder(if designated)	No	
Item	symbol	value unit	Item	symbol valu	e class
Design load	r		Seasonal efficiency and energy efficience		
cooling	Pdesignc	6.1 kW	cooling		.80 A++
heating / Average	Pdesignh	5.2 kW	heating / Average		.70 A++
heating / Warmer	Pdesignh	6.8 kW - kW	heating / Warmer	SCOP/W 5 SCOP/C	.79 A+++
heating / Colder	Pdesignh	- KVV	heating / Colder	300F/0	unit
Declared capacity at outdoor tempera	ature Tdesignh		Back up heating capacity at outdoor term	perature Tdesignh	unit
heating / Average (-10°C)	Pdh	5.2 kW	heating / Average (-10°C)	elbu	0 kW
heating / Warmer (2°C)	Pdh	6.8 kW	heating / Warmer (2°C)	elbu	0 kW
heating / Colder (-22°C)	Pdh	- kW	heating / Colder (-22°C)	elbu	- kW
Declared capacity for cooling, at indo	or temperature 27(19)°C and	Declared energy efficiency ratio, at indo	or temperature 27(19)°	°C and
outdoor temperature Tj	Det.	0.4	outdoor temperature Tj		
Tj=35℃ Tj=30℃	Pdc Pdc	6.1 kW 4.5 kW	Tj=35℃ Tj=30℃		3.6 - 5.4 -
Tj=25°C	Pdc	2.9 kW	Tj=30℃		<u>- 5.4</u>
Tj=20°C	Pdc	1.6 kW	Tj=20°C		8.4 -
			.] 20 0		
Declared capacity for heating / Avera	ge season, at indoor		Declared coefficient of performance / Av	verage season, at indo	or
temperature 20°C and outdoor tempe			temperature 20°C and outdoor temperat	ure Tj	
Tj=-7°C	Pdh	4.7 kW	Tj=-7°C		3.1 -
Tj=2°C	Pdh	2.8 kW	Tj=2°C		
Tj=7°C	Pdh	1.8 kW	Tj=7°C		5.86 -
Tj=12°C	Pdh	1.1 kW	Tj=12°C		′.13 -
Tj=bivalent temperature	Pdh	5.2 kW	Tj=bivalent temperature		2.45 -
Tj=operating limit	Pdh	5.2 kW	Tj=operating limit	COPd 2	2.45 -
Declared capacity for heating / Warm	er season at indoor		Declared coefficient of performance / W	armer season at indor	or
temperature 20°C and outdoor temperature			temperature 20°C and outdoor temperat		
Tj=2°C	Pdh	6.8 kW	Tj=2℃		2.7 -
Tj=7°C	Pdh	4.37 kW	Tj=7°C	COPd 5	5.16 -
Tj=12°C	Pdh	1.94 kW	Tj=12°C	COPd 7	·.31 -
Tj=bivalent temperature	Pdh	6.8 kW	Tj=bivalent temperature		2.7 -
Tj=operating limit	Pdh	6.8 kW	Tj=operating limit	COPd	2.7 -
Declared conscitution heating / Colde			Declared as officient of norfermance / Co	Idex seess of index.	
Declared capacity for heating / Colde temperature 20°C and outdoor temperature 20°C and outdoor 20°C and 00°C			Declared coefficient of performance / Co temperature 20°C and outdoor temperat		
Tj=-7°C	Pdh	- kW	Tj=-7°C	COPd	
Tj=2°C	Pdh	- kW	Tj=2°C	COPd	
Tj=7°C	Pdh	- kW	Tj=7°C	COPd	
Tj=12℃	Pdh	- kW	Tj=12°C	COPd	
Tj=bivalent temperature	Pdh	- kW	Tj=bivalent temperature	COPd	
Tj=operating limit	Pdh	- kW	Tj=operating limit	COPd	
Tj=-15°C	Pdh	- kW	Tj=-15℃	COPd	
Bivalent temperature heating / Average	Tbiv	-10 °C	Operating limit temperature	Tol	-10 °C
heating / Average	Tbiv	<u>-10</u> °C 2 °C	heating / Average heating / Warmer		-10 ℃ 2 ℃
heating / Colder	Tbiv	- °C	heating / Colder	Tol	- °C
	1010	- 0	incating / colder	101	- 0
Cycling interval capacity			Cycling interval efficiency		
for cooling	Pcycc	- kW	for cooling	EERcyc	
for heating	Pcych	- kW	for heating	COPcyc	
Degradation coefficient	C da I	0.05	Degradation coefficient		0.05
cooling	Cdc	0.25 -	heating	Cdh 0	0.25 -
Electric power input in power modes	other than 'active mo	de'	Annual electricity consumption		
off mode	Poff	4 W	cooling	Qce 2	274 kWh/a
standby mode	Psb	4 W	heating / Average		551 kWh/a
thermostat-off mode	Pto(cooling)	12 W	heating / Warmer	Qhe 1	645 kWh/a
	Pto(heating)	14 W	heating / colder	Qhe	- kWh/a
crankcase heater mode	Pck	0 W			
Capacity control(indicate one of three	options)		Other items	. —	
			Sound power level(indoor) Sound power level(outdoor)	Lwa	dB(A) dB(A)
fixed	No		Global warming potential	Lwa GWP 6	
staged	No		Rated air flow(indoor)	-	675 kgCO ₂ eq. m ³ /h
variable	Yes		Rated air flow(indoor)	- H	m³/h
				I	
	me and address of the	he manufacturer or of it	ts authorised representative.		
	U)MHIAE SERVICES B				
			sterdam, Netherlands. P.O.Box 23393 1100 DV	v Amsterdam, Netherlan	as
		ustries Air-Conditioning E Park, Uxbridge, Middles	urope, Lta ex, UB11 1ET,United Kingdom		
F	equare, eteckiey	, enerage, middlea	,		

RWA000Z271

16. REFERENCE

(1) Outline

1-1) R32 as the alternative refrigerant for residential air-conditioners

As for the R410A refrigerant which we have been usually using for air-conditioners, in case of emissions into the atmosphere, we have been adopting the collection of refrigerant etc. in order to restrain the world from global warming.

Based on the 4th basic ecological plan, it is said that the amount of emission of the green house effect gases including the refrigerants which are being used for air-conditioners shall be reduced 80% by 2050, emissions of any kind of freon gases which have especially high global warming coefficient must be reduced much more.

Hence, it is required to converted the freon gases we are using for air-conditioners into the refrigerants which have lower global warming even though they are exhausted into the atmosphere.

On the other hand, the refrigerants for air-conditioners, lower effect of global warming, to secure its performance and high energy efficiency and safety are required, however, the refrigerants which satisfy all of them have not been announced yet.

For this purpose, we have been studying to make use of the refrigerant like R32 which has short life in the atmosphere, even though it has low global warming but low combustibility under the practical use for safety.

In 2004, IEC, international electrical safety for air-conditioners had been corrected, the regulation for safety of air-conditioners which use the combustible refrigerant have been issued, in 2010, the regulation adopting the degree which is considered to be damaged slightly because of difficulty of ignition due to its low combustion speed was issued in ANSI/ASHRAE34 regulations.

R32 has been approved as the refrigerant whose combustion speed degree is lower than 10cm/sec, the standardization for safety use is being proceeded so that R32 can be used more widely.

Although all the air-conditioners which use R32 have been designed with deep consideration in order to guarantee the safety, some cautions which are mandatory to be kept during its installation and services are shown as follows.

1-2) Chemical characteristics of R32

(i) Chemical charactaristic

R32 is one of an ingredient which composes R410A, without toxicity, the chemically stable compound which consists of carbon and fluorine.

Life of R32 after diffusing in the atmosphere is very short, approximately 4.9 years, as a result, although the effect to global warming can be reduced, there are little combustible due to large ratio of hydrogen.

	R32	R410A	R22
Chemical formation	CH ₂ F ₂	CH ₂ F ₂ /CHF ₂ CF ₃	CHCLF ₂
Composition (Mixture ratio weight%)	Single composition	R32/R125 (50/50 weight%)	Single composition
Boiling point	-51.7°C	-51.5℃	-40.8°C
Pressure at 50°C	3.14	3.07	1.94
Performance at 0/50°C	160	141	100
COP at Te/Tc/SC/SH=5/50/3/0°C	95	91	100
ODP(Ozone Depletion Potential)	0	0	0.055
GWP(Global Warming Potential)	675	2090	1810
Combustible charactaristic	A2L	A1	A1
Toxicity	No	No	No

l charactaristic

(ii) Pressure charactaristic

As mentioned in table 2, vapor pressure of R32 is almost same as R410A under the identical refrigerant temperature, and it has 1.6 times of high performance comparision with R22.

Therefore, tool and apparatus which are intended to be used under high pressure condition shall be required same as R410A when service and installation are implemented.

Refrigerant Temperature [°C]	R32	R410A	R22
-20	0.30	0.30	0.14
0	0.71	0.70	0.40
20	1.37	1.35	0.81
40	2.38	2.32	1.43
60	3.84	3.73	2.33
65	4.29	4.17	2.60

Table2 Comparison of saturated vapour pressure (MPa)

1-3) Combustion charactaristic

R32 is possible to combust slightly when following conditions (gas density and ignition energy) coincide.

a) Combustible gas density by mixture with the air

In the event that if the ignition source which is possible to ignite is within the gas density mentioned in table 3, R32 might combust.

However, the combustible gas density of R32 is higher than that of propane's one.

In addition, since the combustible gas density condition of R32 is possible to cause hypoxia (density of oxygen in the air is less than 18%), this is not the environment where people can work normally.

	R32	Propane (Reference)
Density upper limit (vol%)	29.3	9.5
Density lower limit (vol%)	13.3	1.8

b) Energy necessary for ignition.

It is said that R32 is less combustible gas than propane, since the energy which enables to combust is big, for example, static electricity around the human body and electric lighter (few mJ) can not make it ignite.

Table4 Minimum energy to ignite

	R32	Propane
Minimum energy to ignite (mJ)	15	0.246

c) Combustion speed

Since the combustion speed of R32 is low, it never combusts explosively like propane.

Table5 Combustion speed

	· ·	
	R32	Propane
Combustion speed (cm/s)	6.7	38.7

Consequently, although the ignition never happens under the conditions of usual use and work, however, in the event of the ignition, please handle with great care because the fire might extend once the ignition occurs.

1-4) Refrigerant oil for R32

The refrigerant oil for R32 differs from the mineral oil which is being used for R22, since it is based on the synthetic oil for R32, please ensure to use the designated one.

(2) Cautions for safety

- 2-1) Transport of equipment containing flammable refrigerantsIt is necessary to follow the applicable transport regulations during the transportation with respect to equipment containing flammable gas.
- 2-2) Marking of equipment using signs

All required signs are to be maintained and employers should ensure that employees receive suitable and sufficient instruction and training on the meaning of appropriate safety signs and the actions that need to be taken in connection with these signs.

- 2-3) Disposal of equipment using flammable refrigerants National Regulations shall be followed.
- 2-4) Symbols

The following symbols and the information of the warning marking shall be provided as follows:



Symbol ISO 7010-W021 (2011) Warning; Risk of fire / Flammable materials



Symbol ISO 7000-1641 (2004-01) Operator's manual; operating instructions



Symbol ISO 7000-1659 (2004-01) Service indicator; read technical manual

(a) WARNING

Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.

- (b) The appliance shall be stored in a room without continuously operating ignition sources (for example: open flames, an operating gas appliance or an operating electric heater.
- (c) Do not pierce or burn.
- (d) Be aware that refrigerants may not contain an odour.

(3) General

- 3-1) The following information shall be specified in the manual where the information is needed for the function of the manual and as applicable to the appliance:
 - (a) Information for spaces where refrigerant pipes are allowed, including statements
 - that the installation of pipe-work shall be kept to a minimum;
 - that pipe-work shall be protected from physical damage and, in the case of flammable refrigerants, shall not be installed in an unventilated space, if that space is smaller than Amin in Annex GG;
 - that compliance with national gas regulations shall be observed;
 - that mechanical connections made in accordance with 22.118 shall be accessible for maintenance purposes;
 - that, for appliances containing flammable refrigerants, the minimum floor area of the room shall be mentioned in the form of a table or a single figure without reference to a formula;
 - (b) The maximum refrigerant charge amount (M);
 - (c) The minimum rated airflow, if required by Annex GG;
 - (d) Information for handling, installation, cleaning, servicing and disposal of refrigerant;
 - (e) The minimum floor area of the room or the special requirements for the room in which an appliance containing flammable refrigerants can be located as defined in Annex GG, except where the refrigerant charge (M) is less than or equal to m1 (M ≤ m1);
 - (f) A warning to keep any required ventilation openings clear of obstruction;
 - (g) A notice that servicing shall be performed only as recommended by the manufacturer.

3-2) Qualification of workers

Every working procedure that affects safety means shall only be carried out by competent persons according to Annex HH. Examples for such working procedures are:

- Breaking into the refrigerating circuit;
- Opening of sealed components;
- Opening of ventilated enclosures.

► Checks to the area

Prior to beginning work on systems containing flammable refrigerants, safety checks are necessary to ensure that the risk of ignition is minimised.

For repair to the refrigerating system, following precautions shall be taken prior to conducting work on the system.

► Work procedure

Work shall be undertaken under a controlled procedure so as to minimise the risk of a flammable gas or vapour being present while the work is being performed.

► General work area

All maintenance staff and others working in the local area shall be instructed on the nature of work being carried out. Work in confined spaces shall be avoided.

The area around the workspace shall be sectioned off.

Ensure that the conditions within the area have been made safe by control of flammable materials.

► Checking for presence of refrigerant

The area shall be checked with an appropriate refrigerant detector prior to and during work, to ensure the technician is aware of potentially toxic or flammable atmospheres.

Ensure that the leak detection equipment being used is suitable for use with all applicable refrigerants, i.e. non-sparking, adequately sealed or intrinsically safe.

▶ Presence of fire extinguisher

If any hot work is to be conducted on the refrigeration equipment or any associated parts, appropriate fire extinguishing equipment shall be available to hand. Have a dry powder or CO_2 fire extinguisher adjacent to the charging area.

► No ignition sources

No person carrying out work in relation to a refrigeration system which involves exposing any pipe work shall use any sources of ignition in such a manner that it may lead to the risk of fire or explosion.

All possible ignition sources, including cigarette smoking, should be kept sufficiently far away from the site of installation, repairing, removing and disposal, during which refrigerant can possibly be released to the surrounding space.

Prior to work taking place, the area around the equipment is to be surveyed to make sure that there are no flammable hazards or ignition risks.

"No Smoking" signs shall be displayed.

► Ventilated area

Ensure that the area is in the open or that it is adequately ventilated before breaking into the system or conducting any hot work. A degree of ventilation shall continue during the period that the work is carried out.

The ventilation should safely disperse any released refrigerant and preferably expel it externally into the atmosphere.

► Checks to the refrigeration equipment

Where electrical components are being changed, they shall be fit for the purpose and to the correct specification. At all times the manufacturer's maintenance and service guidelines shall be followed. If in doubt consult the manufacturer's technical department for assistance.

The following checks shall be applied to installations using flammable refrigerants including R32:

- The charge size is in accordance with the room size within which the refrigerant containing parts are installed;
- The ventilation machinery and outlets are operating adequately and are not obstructed;
- If an indirect refrigerating circuit is being used, the secondary circuit shall be checked for the presence of refrigerant;
- Marking to the equipment continues to be visible and legible. Markings and signs that are illegible shall be corrected;
- Refrigeration pipe or components are installed in a position where they are unlikely to be exposed to any substance which may corrode refrigerant containing components, unless the components are constructed of materials which are inherently resistant to being corroded or are suitably protected against being so corroded.
- ► Checks to electrical devices

Repair and maintenance to electrical components shall include initial safety checks and component inspection procedures.

If a fault exists that could compromise safety, then no electrical supply shall be connected to the circuit until it is satisfactorily dealt with.

If the fault cannot be corrected immediately but it is necessary to continue operation, an adequate temporary solution shall be used.

This shall be reported to the owner of the equipment so all parties are advised.

Initial safety checks shall include:

- that capacitors are discharged: this shall be done in a safe manner to avoid possibility of sparking;
- that no live electrical components and wiring are exposed while charging, recovering or purging the system;
- that there is continuity of earth bonding.

► Repairs to sealed components

During repairs to sealed components, all electrical supplies shall be disconnected from the equipment being worked upon prior to any removal of sealed covers, etc.

If it is absolutely necessary to have an electrical supply to equipment during servicing, then a permanently operating form of leak detection shall be located at the most critical point to warn of a potentially hazardous situation.

Particular attention shall be paid to the following to ensure that by working on electrical components, the casing is not altered in such a way that the level of protection is affected.

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

Ensure that the apparatus is mounted securely.

Ensure that seals or sealing materials have not degraded to the point that they no longer serve the purpose of preventing the ingress of flammable atmospheres.

Replacement parts shall be in accordance with the manufacturer's specifications.

► Repair to intrinsically safe components

 Do not apply any permanent inductive or capacitance loads to the circuit without ensuring that this will not exceed the permissible voltage and current permitted for the equipment in use.

Intrinsically safe components are the only types that can be worked on while live in the presence of a flammable atmosphere. The test apparatus shall be at the correct rating.

Replace components only with parts specified by the manufacturer. Other parts may result in the ignition of refrigerant in the atmosphere from a leak.

► Cabling

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

► Detection of flammable refrigerants

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

► Leak detection methods

The following leak detection methods are deemed acceptable for all refrigerant systems.

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

Removal and evacuation

When breaking into the refrigerant circuit to make repairs – or for any other purpose – conventional procedures shall be used. However, for flammable refrigerants it is important that best practice is followed since flammability is a consideration. The following procedure shall be adhered to:

- remove refrigerant;
- purge the circuit with inert gas;
- evacuate;
- purge again with inert gas;
- open the circuit by cutting or brazing.

The refrigerant charge shall be recovered into the correct recovery cylinders.

For appliances containing flammable refrigerants, the system shall be "flushed" with OFN to render the unit safe.

This process may need to be repeated several times.

Compressed air or oxygen shall not be used for purging refrigerant systems.

For appliances containing flammable refrigerants, flushing shall be achieved by breaking the vacuum in the system with OFN and continuing to fill until the working pressure is achieved, then venting to atmosphere, and finally pulling down to a vacuum. This process shall be repeated until no refrigerant is within the system.

When the final OFN charge is used, the system shall be vented down to atmospheric pressure to enable work to take place. This operation is absolutely vital if brazing operations on the pipe-work are to take place.

Ensure that the outlet for the vacuum pump is not close to any ignition sources and that ventilation is available.

Charging procedures

In addition to conventional charging procedures, the following requirements shall be followed.

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

A follow up leak test shall be carried out prior to leaving the site.

Decommissioning

Before carrying out this procedure, it is essential that the technician is completely familiar with the equipment and all its detail. It is recommended good practice that all refrigerants are recovered safely. Prior to the task being carried out, an oil and refrigerant sample shall be taken in case analysis is required prior to re-use of reclaimed refrigerant. It is essential that electrical power is available before the task is commenced.

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

► Labelling

Equipment shall be labelled stating that it has been de-commissioned and emptied of refrigerant.

The label shall be dated and signed.

For appliances containing flammable refrigerants, ensure that there are labels on the equipment stating the equipment contains flammable refrigerant.

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► Recovery

When removing refrigerant from a system, either for servicing or decommissioning, it is recommended good practice that all refrigerants are removed safely.

When transferring refrigerant into cylinders, ensure that only appropriate refrigerant recovery cylinders are employed.

Ensure that the correct number of cylinders for holding the total system charge are available.

All cylinders to be used are designated for the recovered refrigerant and labelled for that refrigerant (i.e. special cylinders for the recovery of refrigerant).

Cylinders shall be complete with pressure relief valve and associated shut-off valves in good working order.

Empty recovery cylinders are evacuated and, if possible, cooled before recovery occurs.

The recovery equipment shall be in good working order with a set of instructions concerning the equipment that is at hand and shall be suitable for the recovery of all appropriate refrigerants including, when applicable, flammable refrigerants.

In addition, a set of calibrated weighing scales shall be available and in good working order.

Hoses shall be complete with leak-free disconnect couplings and in good condition.

Before using the recovery machine, check that it is in satisfactory working order, has been properly maintained and that any associated electrical components are sealed to prevent ignition in the event of a refrigerant release.

Consult manufacturer if in doubt.

The recovered refrigerant shall be returned to the refrigerant supplier in the correct recovery cylinder, and the relevant Waste Transfer Note arranged.

Do not mix refrigerants in recovery units and especially not in cylinders.

If compressors or compressor oils are to be removed, ensure that they have been evacuated to an acceptable level to make certain that flammable refrigerant does not remain within the lubricant.

The evacuation process shall be carried out prior to returning the compressor to the suppliers.

Only electric heating to the compressor body shall be employed to accelerate this process. When oil is drained from a system, it shall be carried out safely.

INVERTER WALL MOUNTED TYPE RESIDENTIAL AIR-CONDITIONERS



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