

TECHNICAL MANUAL

INVERTER WALL MOUNTED TYPE RESIDENTIAL AIR-CONDITIONERS

Wi-Fi model

(Split system, air to air heat pump type)

SRK20ZS-WF, -WFB, -WFT/SRC20ZS-W

SRK25ZS-WF, -WFB, -WFT/SRC25ZS-W, -W1, -W2

SRK35ZS-WF, -WFB, -WFT/SRC35ZS-W, -W1, -W2

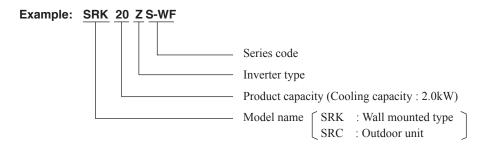
SRK50ZS-WF, -WFB, -WFT/SRC50ZS-W

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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	SRK20	ZS-WF	
Item					Indoor unit SRK20ZS-WF	Outdoor unit SRC20ZS-W	
Power sourc	e				1 Phase, 220	- 240V, 50Hz	
	Nominal cooling	capacity (rand	ie)	kW	*	.) - 2.9 (Max.))	
	Nominal heating capacity (range)			kW	, ,	.) - 4.3 (Max.))	
	Heating capacity (H2)			kW		-	
	Treaming conjunction	()	Cooling		0.44 (0.1	9 - 0.80)	
	Power consumpt	ion	Heating		,	20 - 1.40)	
	Power consumption		Heating (H2)	kW	0.00 (0.2		
	Max power consi	ımption	Tricating (FIZ)		1	- 65	
	IVIAX POWEI COIIS	иприон	Cooling				
	Running current		Cooling		,	220/ 230/ 240 V)	
			Heating	Α		220/ 230/ 240 V)	
Operation	Inrush current, m	ax current	10 "		,	230/ 240 V) Max. 9	
data	Power factor		Cooling	%	79		
			Heating			5	
	EER		Cooling		4.55		
	COP		Heating		4.	58	
	001		Heating (H2)		-	_	
	Carried married law	-1	Cooling		48	56	
	Sound power lev	ei	Heating		50	56	
			Cooling	dB(A)	Hi: 34 Me: 25 Lo: 22 ULo: 19	45	
	Sound pressure I	evel	Heating	, ,	Hi: 36 Me: 29 Lo: 23 ULo: 19	45	
	Silent mode sour	nd pressure le		-	— — — — — — — — — — — — — — — — — — —	Cooling:42 / Heating:43	
Exterior dim	ensions (Height x V	- 1:		mm	290 x 870 x 230	540 x 780(+62) x 290	
Exterior appe		viditi x Deptri)		111111		` '	
	earance color : Munsell, RAL)			Fine snow (Pure white) (8.0Y 9.3/0.1) , (9003)	Stucco white (4.2Y 7.5/1.1), (7044)	
Net weight	Joiot : Widi Joil, Tiza	-)		kg	9.5	31.0	
	type & Quantity			- Kg	-	RM-C5077SBE71(Rotary type) x 1	
		41IV		1.347		` ' '	
	motor (Starting me	etnoa)		kW	-	0.75 (Inverter driven)	
	oil (Amount, type)			L		0.30 (DIAMOND FREEZE MB75)	
	Type, amount, pre-	charge length)	kg	R32 0.62 in outdoor unit (Incl. th		
Heat exchan	ger				Louver fins & inner grooved tubing	M fins & inner grooved tubing	
Refrigerant c	control				Capillary tubes + Elec	tronic expansion valve	
Fan type & C	Quantity				Tangential fan x 1	Propeller fan x 1	
Fan motor (S	Starting method)			W	42 x1 (Direct drive)	24 x1 (Direct drive)	
A: (I			Cooling	3, .	Hi: 9.3 Me: 7.0 Lo: 5.9 ULo: 5.0	27.4	
Air flow			Heating	m³/min	Hi: 10.0 Me: 8.5 Lo: 6.5 ULo: 5.9	23.6	
Available ext	ernal static pressu	re		Pa	0	0	
Outside air ir	· · · · · · · · · · · · · · · · · · ·				Not possible	_	
	lity / Quantity		,		Polypropylene net (Washable) x 2	_	
	ration absorber				Rubber sleeve (for fan motor)	Rubber sleeve (for fan motor & compressor	
Electric heat					Tubbel Sleeve (for fair filotor)	Trabbel sleeve (for fair friotor & compressor	
Electric fleat					- NA/incless on		
Operation	Remote control				Wireless remote control Microcomputer thermostat		
control	Room temperatu						
	Operation display	/			,	TIMER: Yellow	
Safety equip	ments					stion, Overcurrent protection, ection, Indoor fan motor error protection, ure control), Cooling overload protection	
	Refrigerant piping	g size (O.D)		mm	Liquid line: φ6.35 (1/4")	Gas line: φ9.52 (3/8")	
	Connecting meth	od			Flare connection	Flare connection	
	Attached length			m	Liquid line: 0.54 / Gas line: 0.47	_	
Installation	Insulation for pipi					ides), independent	
data	Refrigerant line (th	m	,	x.20	
	Vertical height dif			m	Max.10 (Outdoor unit is higher)		
	Drain hose	i. between er	o and i/o		Hose connectable (VP 16)	Hole size ϕ 20 x 2 pcs.	
Drain numn	max lift height			mm	-	1 1010 3126 ψ 20 λ 2 μ03.	
	led breaker size			A		6	
•	ed rotor ampere)	-		Α		220/ 230/ 240 V)	
Interconnect	ing wires	Size x Core n	umber		, ,	e) / Terminal block (Screw fixing type)	
IP number					IPX0	IPX4	
Wireless LAN	N connecting				Standard equipment	_	
Standard acc	cessories				Mounting kit, Clean filter (Allergen clear filter x 1	, Photocatalytic washable deodorizing filter x 1)	
					Interface kit (SC-BIKN2-E)		
Option parts					(Cannot be used with Wireless LAN)		

Notes (1) The data are measured at the following conditions.

ſ	Item	Indoor air t	emperature	Outdoor air	temperature	Standards
	Operation DB		WB	DB	WB	Staridards
	Cooling	27°C	19°C	35°C	24°C	ISO5151-T1
	Heating 20°C		_	7°C	6°C	ISO5151-H1
	Heating (H2)	20°C	_	2°C	1°C	ISO5151-H2

⁽²⁾ This air-conditioner is manufactured and tested in conformity with the ISO.(3) Sound level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.(4) Select the breaker size according to the own national standard.

			Model	SRK2	5ZS-WF	
Item			Model	Indoor unit SRK25ZS-WF	Outdoor unit SRC25ZS-W(-W1,-W2)	
Power source	e			1 Phase, 220) - 240V, 50Hz	
	Nominal cooling capacity	(range)	kW	2.5 (0.9 (Mir	n.) - 3.1 (Max.))	
	Nominal heating capacity (range)			3.2 (0.9 (Mir	n.) - 4.5 (Max.))	
	Heating capacity (H2)		kW		_	
		Cooling		0.62 (0.19 - 0.90)		
	Power consumption	Heating	kW	0.74 (0.5	20 - 1.42)	
		Heating (H2)			_	
	Max power consumption			1	.65	
	Running current	Cooling			220/ 230/ 240 V)	
	Training carrent	Heating	Α	3.7 / 3.6 / 3.4 (220/ 230/ 240 V)	
Operation	Inrush current, max curren	t		`	(230/ 240 V) Max. 9	
data	Power factor	Cooling	- %		36	
		Heating	,,,		90	
	EER	Cooling			.03	
	COP	Heating	_	4	.32	
		Heating (H2)			_	
	Sound power level	Cooling	_	50	56	
		Heating		53	58	
	Sound pressure level	Cooling	dB(A)	Hi: 36 Me: 28 Lo: 23 ULo: 19	46	
		Heating		Hi: 39 Me: 30 Lo: 24 ULo: 19	46	
	Silent mode sound pressu			_	Cooling:42 / Heating:43	
Exterior dime	ensions (Height x Width x De	epth)	mm	290 x 870 x 230	540 x 780(+62) x 290	
Exterior app				Fine snow (Pure white)	Stucco white	
` '	color : Munsell, RAL)			(8.0Y 9.3/0.1), (9003)	(4.2Y 7.5/1.1), (7044)	
Net weight			kg	9.5	31.0	
	type & Quantity			_	RM-C5077SBE71(Rotary type) x 1	
	motor (Starting method)		kW	_	0.75 (Inverter driven)	
	pil (Amount, type)		L	_	0.30 (DIAMOND FREEZE MB75)	
	Type, amount, pre-charge le	ngth)	kg	`	he amount for the piping of 15m)	
Heat exchan	<u> </u>			Louver fins & inner grooved tubing	M fins & inner grooved tubing	
Refrigerant of					etronic expansion valve	
Fan type & C				Tangential fan x 1	Propeller fan x 1	
Fan motor (S	Starting method)		W	42 x1 (Direct drive)	24 x1 (Direct drive)	
Air flow		Cooling	m³/min	Hi: 9.9 Me: 8.0 Lo: 5.9 ULo: 5.0	27.4	
		Heating		Hi: 11.3 Me: 8.7 Lo: 6.7 ULo: 5.9	23.6	
	ernal static pressure		Pa	0	0	
Outside air ir				Not possible	_	
	ulity / Quantity			Polypropylene net (Washable) x 2		
	ration absorber			Rubber sleeve (for fan motor)	Rubber sleeve (for fan motor & compressor	
Electric heat	1					
Operation	Remote control			Wireless remote control Microcomputer thermostat		
control	Room temperature control			'		
Safety equip	Operation display ments			Compressor overheat prote Frost protection, Serial signal error prot	TIMER: Yellow ction, Overcurrent protection, rection, Indoor fan motor error protection, sure control), Cooling overload protection	
	Refrigerant piping size (O	D)	mm	Liquid line: φ 6.35 (1/4")		
	Connecting method	.0,	1 111111	Flare connection	Flare connection	
	Attached length of piping		m	Liquid line: 0.54 / Gas line: 0.47	—	
Installation	Insulation for piping			·	l sides), independent	
data	Refrigerant line (one way)	lenath	m		ex.20	
	Vertical height diff. between		m		/ Max.10 (Outdoor unit is lower)	
	Drain hose	5/5 4/10 // 0		Hose connectable (VP 16)	Hole size ϕ 20 x 2 pcs.	
Drain pump, max lift height		mm	— Hole size φ20 x 2 pc			
Recommended breaker size L.R.A. (Locked rotor ampere) Interconnecting wires Size x Core number		A	-	16		
		A		220/ 230/ 240 V)		
		_ · ·		ele) / Terminal block (Screw fixing type)		
IP number				IPX0	IPX4	
	N connecting			Standard equipment		
Standard ac					1, Photocatalytic washable deodorizing filter x 1)	
Option parts				Interface kit (SC-BIKN2-E)		
				(Cannot be used with Wireless LAN)		

Item	Indoor air t	emperature	Outdoor air	temperature	Standards
Operation	DB	WB	DB	WB	Staridards
Cooling	27°C	19°C	35°C	24°C	ISO5151-T1
Heating 20°C		_	7°C	6°C	ISO5151-H1
Heating (H2)	20°C	_	2°C	1°C	ISO5151-H2

- (2) This air-conditioner is manufactured and tested in conformity with the ISO.(3) Sound level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.(4) Select the breaker size according to the own national standard.

			Model	SRK3	SZS-WF	
Item				Indoor unit SRK35ZS-WF	Outdoor unit SRC35ZS-W(-W1,-W2)	
Power source	e			1 Phase, 220) - 240V, 50Hz	
	Nominal cooling capacity (rang	je)	kW	3.5 (0.9 (Min	.) - 4.0 (Max.))	
	Nominal heating capacity (range)			4.0 (0.9 (Min	.) - 5.0 (Max.))	
	Heating capacity (H2)		kW		_	
		Cooling		0.89 (0.	17 - 1.24)	
	Power consumption	Heating	kW	0.94 (0.	19 - 1.45)	
	Heating (H2)		I KVV		_	
	Max power consumption			1.	65	
	Running current	Cooling			220/ 230/ 240 V)	
	Training current	Heating	Α	,	220/ 230/ 240 V)	
Operation	Inrush current, max current			,	230/ 240 V) Max. 9	
data	Power factor	Cooling	- %		92	
		Heating	,	93		
	EER	Cooling			93	
	COP	Heating			26	
		Heating (H2)				
	Sound power level	Cooling		54	61	
		Heating		56	61	
	Sound pressure level	Cooling	dB(A)	Hi: 40 Me: 30 Lo: 26 ULo: 19	50	
	·	Heating		Hi: 41 Me: 36 Lo: 25 ULo: 19	48	
	Silent mode sound pressure le			_	Cooling:45 / Heating:44	
	ensions (Height x Width x Depth)		mm	290 x 870 x 230	540 x 780(+62) x 290	
Exterior app	earance color : Munsell, RAL)			Fine snow (Pure white) (8.0Y 9.3/0.1) , (9003)	Stucco white (4.2Y 7.5/1.1), (7044)	
Net weight	DOIOI : IVIUIISEII, TIAL)		kg	9.5	34.5	
	type & Quantity		Ng	-	RM-B5077SBE2(Rotary type) x 1	
	motor (Starting method)		kW	_	0.90 (Inverter driven)	
	oil (Amount, type)		L	_	0.30 (DIAMOND FREEZE MB75)	
	Type, amount, pre-charge length)	kg	B32 0.78 in outdoor unit (Incl. t	ne amount for the piping of 15m)	
Heat exchan		/	i iig	Louver fins & inner grooved tubing	M fins & inner grooved tubing	
Refrigerant of	<u> </u>			9 9	etronic expansion valve	
Fan type & C		,		Tangential fan x 1	Propeller fan x 1	
	Starting method)		W	42 x1 (Direct drive)	24 x1 (Direct drive)	
	,	Cooling		Hi: 11.3 Me: 8.7 Lo: 7.0 ULo: 5.0	31.5	
Air flow		Heating	m³/min	Hi: 12.3 Me: 11.0 Lo: 7.0 ULo: 5.6	27.8	
Available ext	ernal static pressure	1	Pa	0	0	
Outside air ir				Not possible	_	
Air filter, Qua	lity / Quantity			Polypropylene net (Washable) x 2	_	
	ation absorber			Rubber sleeve (for fan motor)	Rubber sleeve (for fan motor & compressor	
Electric heat	er				_	
_	Remote control			Wireless re	mote control	
Operation	Room temperature control			Microcomputer thermostat		
control	Operation display			RUN: Green ,	TIMER: Yellow	
				Compressor overheat protein	ction, Overcurrent protection,	
Safety equip	ments				ection, Indoor fan motor error protection,	
	T=			0 1 1	sure control), Cooling overload protection	
	Refrigerant piping size (O.D)		mm	Liquid line: φ6.35 (1/4")	Gas line: φ9.52 (3/8")	
	Connecting method			Flare connection	Flare connection	
Installation	Attached length of piping		m	Liquid line: 0.54 / Gas line: 0.47	_	
data	Insulation for piping			,	sides), independent	
	Refrigerant line (one way) leng		m		x.20	
	Vertical height diff. between O/	U and I/U	m	,	/ Max.10 (Outdoor unit is lower)	
. .	Drain hose			Hose connectable (VP 16)	Hole size φ20 x 2 pcs.	
	max lift height		mm	<u> </u>	_	
	led breaker size		A		6	
,	ed rotor ampere)		Α		220/ 230/ 240 V)	
Interconnect	ing wires Size x Core n	umber		, -	le) / Terminal block (Screw fixing type)	
IP number				IPX0	IPX4	
	N connecting			Standard equipment		
Standard ac	cessories				1, Photocatalytic washable deodorizing filter x 1)	
Option parts				Interface kit (SC-BIKN2-E)	_	
				(Cannot be used with Wireless LAN)		

ſ	Item	Indoor air t	emperature	Outdoor air	temperature	Standards
	Operation DB		WB	DB	WB	Staridards
	Cooling	27°C	19°C	35°C	24°C	ISO5151-T1
	Heating 20°C		_	7°C	6°C	ISO5151-H1
	Heating (H2)	20°C	_	2°C	1°C	ISO5151-H2

- (2) This air-conditioner is manufactured and tested in conformity with the ISO.(3) Sound level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.(4) Select the breaker size according to the own national standard.

				Model	SPKE	ZS-WF		
Item				iviouei	Indoor unit SRK50ZS-WF	Outdoor unit SRC50ZS-W		
Power source	9				1 Phase, 220	- 240V, 50Hz		
	Nominal cooling capac	city (range)		kW	5.0 (1.3 (Min	.) - 5.5 (Max.))		
	Nominal heating capac	city (range)		kW	5.8 (1.3 (Min	.) - 6.6 (Max.))		
	Heating capacity (H2)			kW	-	_		
		C	Cooling		1.35 (0.29 - 1.80)			
	Power consumption	F	Heating	kW	1.56 (0.2	25 - 1.98)		
		F	Heating (H2)	l KVV	-	- -		
	Max power consumpti	on				68		
	Running current	C	Cooling		6.2 / 5.9 / 5.7 (220/ 230/ 240 V)		
	nullilling current	H	Heating	Α	7.2 / 6.9 / 6.6 (220/ 230/ 240 V)		
Operation	Inrush current, max cu	rrent			7.2 / 6.9 / 6.6 (220/ 2	30/ 240 V) Max. 14.5		
data	Power factor	C	Cooling	%	9	99		
	1 Ower factor	H	Heating	/0	9	99		
	EER	C	Cooling]	3.	70		
	COP	F	Heating]	3.	72		
	001	F	Heating (H2)		-	_		
	Sound power level	C	Cooling]	59	61		
1	Count power lover	F	Heating		60	63		
	Sound pressure level	C	Cooling	dB(A)	Hi: 46 Me: 36 Lo: 29 ULo: 22	51		
	Country procedure level	F	Heating		Hi: 46 Me: 37 Lo: 31 ULo: 24	52		
	Silent mode sound pre	essure level			_	Cooling:43 / Heating:45		
Exterior dime	ensions (Height x Width	x Depth)		mm	290 x 870 x 230	595 x 780(+62) x 290		
Exterior appe					Fine snow (Pure white)	Stucco white		
` '	olor : Munsell, RAL)				(8.0Y 9.3/0.1), (9003)	(4.2Y 7.5/1.1), (7044)		
Net weight				kg	10.0	36.0		
	type & Quantity				_	9RS102XDA21(Rotary type) x 1		
· · · · · · · · · · · · · · · · · · ·	motor (Starting method))		kW	_	1.50 (Inverter driven)		
	il (Amount, type)			L	_	0.32 (FW50S)		
,	Type, amount, pre-charg	je length)		kg	`	ne amount for the piping of 15m)		
Heat exchang					Louver fins & inner grooved tubing	M fins & inner grooved tubing		
Refrigerant c						tronic expansion valve		
Fan type & Q				14/	Tangential fan x 1	Propeller fan x 1		
Fan motor (S	tarting method)		>Ii	W	42 x1 (Direct drive)	24 x1 (Direct drive)		
Air flow		-	Cooling	m³/min	Hi: 12.1 Me: 9.9 Lo: 7.4 ULo: 5.9	32.8		
Aveilable ave			Heating	Pa	Hi: 13.9 Me: 11.2 Lo: 9.1 ULo: 7.4	32.8		
Outside air in	ernal static pressure			Ра	Not possible	_		
	lity / Quantity				Polypropylene net (Washable) x 2	_		
	ation absorber				Rubber sleeve (for fan motor)	Pubbox alaqua (for fan mater 8 compressor)		
Electric heate					Hubber Sleeve (for fair filotor)	Rubber sleeve (for fan motor & compressor) —		
Electric fleate	Remote control							
Operation	Room temperature con	ntrol			Wireless remote control Microcomputer thermostat			
control	Operation display	ILIOI			·	TIMER: Yellow		
Safety equipr					Compressor overheat protection, Serial signal error protection	ction, Overcurrent protection, ection, Indoor fan motor error protection, ure control), Cooling overload protection		
	Refrigerant piping size	(O.D)		mm	Liquid line: φ6.35 (1/4")	Gas line: φ12.7 (1/2")		
	Connecting method				Flare connection	Flare connection		
I II	Attached length of pip	ing		m	Liquid line: 0.54 / Gas line: 0.47	_		
Installation data	Insulation for piping				Necessary (Both s	ides), independent		
Juliu	Refrigerant line (one w	-, -		m	Ma	x.25		
	Vertical height diff. bet	ween O/U a	and I/U	m	Max.15 (Outdoor unit is higher)	/ Max.15 (Outdoor unit is lower)		
	Drain hose				Hose connectable (VP 16)	Hole size φ20 x 2 pcs.		
Drain pump, max lift height		mm						
Recommend	ed breaker size			Α	I .	20		
L.R.A. (Locked rotor ampere)		Α		220/ 230/ 240 V)				
Interconnecting wires Size x Core number			1.5mm ² x 4 cores (Including earth cab	le) / Terminal block (Screw fixing type)				
IP number					IPX0	IPX4		
Wireless LAN					Standard equipment	_		
Standard acc	cessories				Mounting kit, Clean filter (Allergen clear filter x	, Photocatalytic washable deodorizing filter x 1)		
Option parts					Interface kit (SC-BIKN2-E) (Cannot be used with Wireless LAN)	_		

Item	Indoor air t	emperature	Outdoor air	temperature	Standards
Operation	DB	WB	DB	WB	Staridards
Cooling	27°C	19°C	35°C	24°C	ISO5151-T1
Heating 20°C		_	7°C	6°C	ISO5151-H1
Heating (H2)	20°C	_	2°C	1°C	ISO5151-H2

- (2) This air-conditioner is manufactured and tested in conformity with the ISO.(3) Sound level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.(4) Select the breaker size according to the own national standard.

				Model	SRK20	ZS-WFB
Item				Wiodei	Indoor unit SRK20ZS-WFB	Outdoor unit SRC20ZS-W
Power source	e				1 Phase, 220) - 240V, 50Hz
	Nominal cooling cap	acity (range	e)	kW	2.0 (0.9 (Min	.) - 2.9 (Max.))
	Nominal heating capacity (range)			kW	2.7 (0.9 (Min	.) - 4.3 (Max.))
	Heating capacity (H2	2)		kW		-
			Cooling		0.44 (0.	19 - 0.80)
	Power consumption		Heating	1.14/	0.59 (0.2	20 - 1.40)
			Heating (H2)	kW	-	
	Max power consum	otion]	1.	65
	Dunning ourrent		Cooling		2.6 / 2.5 / 2.4 (220/ 230/ 240 V)
	Running current		Heating	Α	3.2 / 3.0 / 2.9 (220/ 230/ 240 V)
Operation	Inrush current, max	current			3.2 / 3.0 / 2.9 (220/	230/ 240 V) Max. 9
data	Power factor		Cooling	- %	7	79
	1 Ower ractor		Heating	/0	3	35
	EER		Cooling		4.	55
	COP		Heating		4.	58
	COF		Heating (H2)			_
	Sound power level		Cooling		48	56
	Souria power level		Heating]	56	56
	Sound pressure leve	J	Cooling	dB(A)	Hi: 34 Me: 25 Lo: 22 ULo: 19	45
	Souria pressure leve	1	Heating		Hi: 36 Me: 29 Lo: 23 ULo: 19	45
	Silent mode sound p	ressure lev	el		_	Cooling:42 / Heating:43
Exterior dime	ensions (Height x Widt	h x Depth)		mm	290 x 870 x 230	540 x 780(+62) x 290
Exterior appe					Fine snow (8.0Y 9.3/0.1) , (9003)	Stucco white
` '	olor : Munsell, RAL)				Black (4.0PB 2.44/0.25) , (9011)	(4.2Y 7.5/1.1), (7044)
Net weight				kg	9.5	31.0
· ·	type & Quantity				_	RM-C5077SBE71(Rotary type) x 1
	motor (Starting metho	od)		kW	_	0.75 (Inverter driven)
	il (Amount, type)			L	_	0.30 (DIAMOND FREEZE MB75)
,	Type, amount, pre-cha	rge length)		kg	,	ne amount for the piping of 15m)
Heat exchang					Louver fins & inner grooved tubing	M fins & inner grooved tubing
Refrigerant c						tronic expansion valve
Fan type & Q					Tangential fan x 1	Propeller fan x 1
Fan motor (S	tarting method)		Τ.	W	42 x1 (Direct drive)	24 x1 (Direct drive)
Air flow			Cooling	m³/min	Hi: 9.3 Me: 7.0 Lo: 5.9 ULo: 5.0	27.4
			Heating	<u> </u>	Hi: 10.0 Me: 8.5 Lo: 6.5 ULo: 5.9	23.6
	ernal static pressure			Pa	0	0
Outside air in					Not possible	_
	lity / Quantity				Polypropylene net (Washable) x 2	_
	ation absorber				Rubber sleeve (for fan motor)	Rubber sleeve (for fan motor & compressor)
Electric heate						_
Operation	Remote control				Wireless remote control Microcomputer thermostat	
control	Room temperature of	control		-		
	Operation display			-		TIMER: Yellow
Safety equipr	ments				Frost protection, Serial signal error prote	ction, Overcurrent protection, ection, Indoor fan motor error protection, ure control), Cooling overload protection
	Refrigerant piping si	ze (O.D)		mm	Liquid line: φ 6.35 (1/4")	
	Connecting method				Flare connection	Flare connection
Installation	Attached length of p	iping		m	Liquid line: 0.54 / Gas line: 0.47	_
data	Insulation for piping					sides), independent
	Refrigerant line (one			m		x.20
	Vertical height diff. b	etween O/L	J and I/U	m	,	/ Max.10 (Outdoor unit is lower)
Drain hose			Hose connectable (VP 16)	Hole size φ20 x 2 pcs.		
Drain pump, max lift height		mm	_	_		
	ed breaker size			Α	16	
,	ed rotor ampere)			Α		220/ 230/ 240 V)
Interconnecting wires Size x Core number				, ·	le) / Terminal block (Screw fixing type)	
IP number					IPX0	IPX4
Wireless LAN					Standard equipment	_
Standard acc	cessories					1, Photocatalytic washable deodorizing filter x 1)
Option parts					Interface kit (SC-BIKN2-E) (Cannot be used with Wireless LAN)	_

ſ	Item	Indoor air t	emperature	Outdoor air	temperature	Standards
	Operation DB		WB	DB	WB	Staridards
	Cooling	27°C	19°C	35°C	24°C	ISO5151-T1
	Heating 20°C		_	7°C	6°C	ISO5151-H1
	Heating (H2)	20°C	_	2°C	1°C	ISO5151-H2

- (2) This air-conditioner is manufactured and tested in conformity with the ISO.(3) Sound level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.(4) Select the breaker size according to the own national standard.

			Mod	del	SRK25.	ZS-WFB		
Item			IVIOC		Indoor unit SRK25ZS-WFB	Outdoor unit SRC25ZS-W(-W1,-W2)		
Power sourc	e				1 Phase, 220) - 240V, 50Hz		
	Nominal cooling capac	city (range)	kW	٧	2.5 (0.9 (Min	.) - 3.1 (Max.))		
	Nominal heating capac	city (range)	kW	٧	3.2 (0.9 (Min	.) - 4.5 (Max.))		
	Heating capacity (H2)		kW	٧				
		Cooling	9		0.62 (0.	19 - 0.90)		
	Power consumption	Heating	g kW	, [0.74 (0.2	20 - 1.42)		
	Heating (H2)		g (H2)	١ [-		
	Max power consumption				1.	65		
	Running current	Cooling	9		3.3 / 3.1 / 3.0 (220/ 230/ 240 V)		
	Hulling Current	Heating	д А	. [3.7 / 3.6 / 3.4 (220/ 230/ 240 V)		
Operation	Inrush current, max cu	rrent			3.7 / 3.6 / 3.4 (220/	230/ 240 V) Max. 9		
data	Power factor	Cooling	9 %		3	36		
	1 OWCI Idotoi	Heating	9 /		9	90		
	EER	Cooling	3			03		
	COP	Heating		ļ	4.	32		
		Heating	- 1		_			
	Sound power level	Cooling		ļ	50	56		
		Heating		ļ	53	58		
	Sound pressure level	Cooling	g dB(/	(A)	Hi: 36 Me: 28 Lo: 23 ULo: 19	46		
		Heating	3]	Hi: 39 Me: 30 Lo: 24 ULo: 19	46		
	Silent mode sound pre				_	Cooling:42 / Heating:43		
	ensions (Height x Width	x Depth)	mn	n	290 x 870 x 230	540 x 780(+62) x 290		
Exterior appe					Fine snow (8.0Y 9.3/0.1) , (9003)	Stucco white		
(Equivalent color : Munsell, RAL)		l	.	Black (4.0PB 2.44/0.25) , (9011)	(4.2Y 7.5/1.1), (7044)			
Net weight			kg	3	9.5	31.0 RM-C5077SBE71(Rotary type) x 1		
Compressor type & Quantity			14/4	,		\ , , , , ,		
Compressor motor (Starting method)			kW	-	-	0.75 (Inverter driven)		
Refrigerant oil (Amount, type)			L	\rightarrow	— — — — — — — — — — — — — — — — — — —	0.30 (DIAMOND FREEZE MB75)		
Refrigerant (Type, amount, pre-charge length)			kg	3	Louver fins & inner grooved tubing	ne amount for the piping of 15m) M fins & inner grooved tubing		
Heat exchanger				\dashv		etronic expansion valve		
Refrigerant of				\dashv	Tangential fan x 1			
Fan type & C			W	,	-	Propeller fan x 1		
ran motor (3	starting method)	Cooling		-	42 x1 (Direct drive) Hi: 9.9 Me: 8.0 Lo: 5.9 ULo: 5.0	24 x1 (Direct drive) 27.4		
Air flow		Heating	l m³/m	nin	Hi: 11.3 Me: 8.7 Lo: 6.7 ULo: 5.9	23.6		
Available ext	ernal static pressure	пеаші	Pa		0	0		
Outside air ir	· · · · · · · · · · · · · · · · · · ·		Га	2	Not possible	_		
	lity / Quantity			\dashv	Polypropylene net (Washable) x 2	_		
	ation absorber				Rubber sleeve (for fan motor)	Rubber sleeve (for fan motor & compressor)		
Electric heat				\dashv	Trubber sieeve (for fair filotor)	—		
LICOTHO HOU	Remote control			\dashv	Wireless re	l mote control		
Operation	Room temperature cor	ntrol		\dashv		ter thermostat		
control	Operation display	itioi		\dashv	•	TIMER: Yellow		
Safety equip					Compressor overheat protection, Serial signal error protection	ection, Overcurrent protection, ection, Indoor fan motor error protection, ure control), Cooling overload protection		
	Refrigerant piping size	(O.D)	mn	n [Liquid line: φ6.35 (1/4")	Gas line: φ9.52 (3/8")		
	Connecting method			\Box	Flare connection	Flare connection		
Installation	Attached length of pipi	ng	m	1]	Liquid line: 0.54 / Gas line: 0.47	_		
data	Insulation for piping					sides), independent		
	Refrigerant line (one w	**	m	1	1112	x.20		
	Vertical height diff. bet	ween O/U and I/U	m	1	,	/ Max.10 (Outdoor unit is lower)		
Drain hose					Hose connectable (VP 16)	Hole size φ20 x 2 pcs.		
Drain pump, max lift height		mn	\rightarrow	_	_			
Recommended breaker size L.R.A. (Locked rotor ampere)		A	\rightarrow		6			
		A			220/ 230/ 240 V)			
Interconnecting wires Size x Core number					,	le) / Terminal block (Screw fixing type)		
IP number					IPX0	IPX4		
Wireless LAN					Standard equipment	_		
Standard acc	cessories					1, Photocatalytic washable deodorizing filter x 1)		
Option parts					Interface kit (SC-BIKN2-E) (Cannot be used with Wireless LAN)	_		

ſ	Item	Indoor air t	emperature	Outdoor air	temperature	Standards
	Operation	peration DB		WB DB WB		Standards
	Cooling 27°C Heating 20°C		19°C	35°C	24°C	ISO5151-T1
			_	7°C	6°C	ISO5151-H1
	Heating (H2)	20°C —		2°C	1°C	ISO5151-H2

- (2) This air-conditioner is manufactured and tested in conformity with the ISO.(3) Sound level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.(4) Select the breaker size according to the own national standard.

			Model	SRK35	ZS-WFB		
Item			Wiodei	Indoor unit SRK35ZS-WFB	Outdoor unit SRC35ZS-W(-W1,-W2)		
Power sourc	e			1 Phase, 220) - 240V, 50Hz		
	Nominal cooling capac	ity (range)	kW	3.5 (0.9 (Min	.) - 4.0 (Max.))		
	Nominal heating capac	ity (range)	kW	4.0 (0.9 (Min	.) - 5.0 (Max.))		
	Heating capacity (H2)		kW				
		Cooling		0.89 (0.	17 - 1.24)		
	Power consumption	Heating	kW	0.94 (0.	19 - 1.45)		
	Heating (H2)] KVV		-		
	Max power consumption	on			65		
	Running current	Cooling		4.4 / 4.2 / 4.0 (220/ 230/ 240 V)		
	Hulling Current	Heating	Α	4.6 / 4.4 / 4.2 (220/ 230/ 240 V)		
Operation	Inrush current, max cur	rent		4.6 / 4.4 / 4.2 (220/	230/ 240 V) Max. 9		
data	Power factor	Cooling	%	(92		
	- Ower factor	Heating	/0	ę	93		
	EER	Cooling		3.93			
	COP	Heating		4.	26		
		Heating (H2)		-			
	Sound power level	Cooling		54	61		
	- Country portor tovor	Heating		56	61		
	Sound pressure level	Cooling	dB(A)	Hi: 40 Me: 30 Lo: 26 ULo: 19	50		
		Heating	_	Hi: 41 Me: 36 Lo: 25 ULo: 19	48		
	Silent mode sound pres			_	Cooling:45 / Heating:44		
	ensions (Height x Width x	Depth)	mm	290 x 870 x 230	540 x 780(+62) x 290		
Exterior appe				Fine snow (8.0Y 9.3/0.1) , (9003)	Stucco white		
(Equivalent color : Munsell, RAL)		Lon	Black (4.0PB 2.44/0.25) , (9011)	(4.2Y 7.5/1.1), (7044)			
Net weight			kg	9.5	34.5		
Compressor type & Quantity			14/4/		RM-B5077SBE2(Rotary type) x 1		
Compressor motor (Starting method)			kW	_	0.90 (Inverter driven)		
Refrigerant oil (Amount, type)			L kg	— — — — — — — — — — — — — — — — — — —	0.30 (DIAMOND FREEZE MB75)		
	Refrigerant (Type, amount, pre-charge length)			Louver fins & inner grooved tubing	ne amount for the piping of 15m) M fins & inner grooved tubing		
Heat exchan	<u> </u>			5 5			
Refrigerant of				Tangential fan x 1	etronic expansion valve		
Fan type & C			W	-	Propeller fan x 1		
ran motor (3	starting method)	Cooling	VV	42 x1 (Direct drive) Hi: 11.3 Me: 8.7 Lo: 7.0 ULo: 5.0	24 x1 (Direct drive) 31.5		
Air flow		Heating	m³/min	Hi: 12.3 Me: 11.0 Lo: 7.0 ULo: 5.6	27.8		
Available ext	ernal static pressure	Heating	Pa	0	0		
Outside air ir			ıα	Not possible	_		
	lity / Quantity			Polypropylene net (Washable) x 2	_		
	ation absorber			Rubber sleeve (for fan motor)	Rubber sleeve (for fan motor & compressor)		
Electric heat					—		
LICOTHO HOU	Remote control			Wireless re	l mote control		
Operation	Room temperature con	trol			ter thermostat		
control	Operation display				TIMER: Yellow		
Safety equip				Compressor overheat proter Frost protection, Serial signal error protection	ection, Overcurrent protection, ection, Indoor fan motor error protection, ure control), Cooling overload protection		
	Refrigerant piping size	(O.D)	mm	Liquid line: φ6.35 (1/4")	Gas line: φ9.52 (3/8")		
	Connecting method			Flare connection	Flare connection		
Inotallatia =	Attached length of pipir	ng	m	Liquid line: 0.54 / Gas line: 0.47	_		
Installation data	Insulation for piping			Necessary (Both s	sides), independent		
	Refrigerant line (one w	**	m	Ma	x.20		
	Vertical height diff. betv	veen O/U and I/U	m	Max.10 (Outdoor unit is higher)	/ Max.10 (Outdoor unit is lower)		
	Drain hose			Hose connectable (VP 16)	Hole size φ20 x 2 pcs.		
Drain pump, max lift height		mm					
Recommended breaker size L.R.A. (Locked rotor ampere)		Α		6			
		Α	`	220/ 230/ 240 V)			
Interconnecting wires Size x Core number				, ,	le) / Terminal block (Screw fixing type)		
IP number				IPX0	IPX4		
Wireless LAN connecting				Standard equipment	_		
Standard accessories					1, Photocatalytic washable deodorizing filter x 1)		
Option parts				Interface kit (SC-BIKN2-E) (Cannot be used with Wireless LAN)	_		

ſ	Item	Indoor air t	emperature	Outdoor air	temperature	Standards	
	Operation DB Cooling 27°C Heating 20°C		WB	DB	WB	Standards	
			19°C	35°C	24°C	ISO5151-T1	
			_	7°C	6°C	ISO5151-H1	
	Heating (H2)	20°C –		2°C	1°C	ISO5151-H2	

- (2) This air-conditioner is manufactured and tested in conformity with the ISO.(3) Sound level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.(4) Select the breaker size according to the own national standard.

				Model	SRK502	ZS-WFB	
Item					Indoor unit SRK50ZS-WFB	Outdoor unit SRC50ZS-W	
Power source	е				1 Phase, 220	- 240V, 50Hz	
	Nominal cooling	g capacity (range	e)	kW	5.0 (1.3 (Min	.) - 5.5 (Max.))	
	Nominal heating	g capacity (range	e)	kW	5.8 (1.3 (Min	.) - 6.6 (Max.))	
	Heating capacit	y (H2)		kW	-	_	
			Cooling		1.35 (0.2	29 - 1.80)	
	Power consumption		Heating	kW	1.56 (0.2	25 - 1.98)	
			Heating (H2)	I KVV	-	_	
	Max power con	sumption			2.	68	
	Running current	+	Cooling			220/ 230/ 240 V)	
	Heating		Heating	Α	7.2 / 6.9 / 6.6 (2	220/ 230/ 240 V)	
Operation	Inrush current, r	max current			7.2 / 6.9 / 6.6 (220/ 2	30/ 240 V) Max. 14.5	
data	Power factor		Cooling	%		9	
			Heating	,,,	99		
	EER		Cooling			70	
	COP		Heating		3.	72	
			Heating (H2)			_	
	Sound power le	vel	Cooling		59	61	
	Country portor to		Heating		60	63	
	Sound pressure	level	Cooling	dB(A)	Hi: 46 Me: 36 Lo: 29 ULo: 22	51	
	·		Heating		Hi: 46 Me: 37 Lo: 31 ULo: 24	52	
		und pressure lev	el		_	Cooling:43 / Heating:45	
Exterior dimensions (Height x Width x Depth)			mm	290 x 870 x 230	595 x 780(+62) x 290		
Exterior appearance (Equivalent color : Munsell, RAL)				Fine snow (8.0Y 9.3/0.1) , (9003)	Stucco white		
` '	color : Munsell, RA	AL)		Lon	Black (4.0PB 2.44/0.25) , (9011)	(4.2Y 7.5/1.1), (7044)	
Net weight			kg	10.0	36.0		
Compressor type & Quantity			1.34/		9RS102XDA21(Rotary type) x 1		
Compressor motor (Starting method)			kW	<u> </u>	1.50 (Inverter driven)		
Refrigerant oil (Amount, type)			L	— — — — — — — — — — — — — — — — — — —	0.32 (FW50S)		
,	Refrigerant (Type, amount, pre-charge length)			kg	Louver fins & inner grooved tubing	ne amount for the piping of 15m)	
Heat exchanger Refrigerant control				3 3	M fins & inner grooved tubing		
Fan type & C	-				Tangential fan x 1	tronic expansion valve Propeller fan x 1	
	Starting method)			W	42 x1 (Direct drive)	24 x1 (Direct drive)	
ran motor (3	starting method)		Cooling	VV	Hi: 12.1 Me: 9.9 Lo: 7.4 ULo: 5.9	32.8	
Air flow			Heating	m³/min	Hi: 13.9 Me: 11.2 Lo: 9.1 ULo: 7.4	32.8	
Available ovt	ernal static press	LIFO	пеашу	Pa	0	0	
Outside air ir	· · · · · · · · · · · · · · · · · · ·	uie		ıα	Not possible	_	
	lity / Quantity				Polypropylene net (Washable) x 2	_	
	ration absorber				Rubber sleeve (for fan motor)	Rubber sleeve (for fan motor & compressor)	
Electric heat					—		
Licetiie neat	Remote control					note control	
Operation	Room temperat					ter thermostat	
control	Operation displa					TIMER: Yellow	
Safety equip		ay			Compressor overheat protection, Serial signal error protection.	stion, Overcurrent protection, ection, Indoor fan motor error protection, ure control), Cooling overload protection	
	Refrigerant pipi	ng size (O.D)		mm	Liquid line: φ6.35 (1/4")	Gas line: φ12.7 (1/2")	
	Connecting met	thod			Flare connection	Flare connection	
Installation	Attached length	of piping		m	Liquid line: 0.54 / Gas line: 0.47	_	
Installation data	Insulation for pi	ping			Necessary (Both s	ides), independent	
		(one way) lengt		m	Ma	x.25	
	Vertical height of	diff. between O/L	J and I/U	m	Max.15 (Outdoor unit is higher)	/ Max.15 (Outdoor unit is lower)	
	Drain hose				Hose connectable (VP 16)	Hole size φ20 x 2 pcs.	
Drain pump, max lift height		mm	_	_			
Recommend	led breaker size			Α		20	
,	ed rotor ampere)			Α		220/ 230/ 240 V)	
Interconnecting wires Size x Core number				` '	le) / Terminal block (Screw fixing type)		
IP number					IPX0	IPX4	
	N connecting				Standard equipment	_	
Standard acc	cessories		-			I, Photocatalytic washable deodorizing filter x 1)	
Option parts					Interface kit (SC-BIKN2-E) (Cannot be used with Wireless LAN)	_	

ſ	Item	Indoor air t	emperature	Outdoor air	temperature	Standards
	Operation	peration DB		WB DB WB		Standards
	Cooling 27°C Heating 20°C		19°C	35°C	24°C	ISO5151-T1
			_	7°C	6°C	ISO5151-H1
	Heating (H2)	20°C —		2°C	1°C	ISO5151-H2

- (2) This air-conditioner is manufactured and tested in conformity with the ISO.(3) Sound level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.(4) Select the breaker size according to the own national standard.

				Model	SRK20	ZS-WFT		
Item				5001	Indoor unit SRK20ZS-WFT	Outdoor unit SRC20ZS-W		
Power sourc	e				1 Phase, 220	- 240V, 50Hz		
	Nominal cooling	g capacity (range	e)	kW	2.0 (0.9 (Min	.) - 2.9 (Max.))		
	Nominal heating	g capacity (range	e)	kW	2.7 (0.9 (Min	.) - 4.3 (Max.))		
	Heating capacity (H2)			kW	-			
	Power consumption Cooling Heating Heating (H2)		Cooling		0.44 (0.1	9 - 0.80)		
			Heating	kW	0.59 (0.2	20 - 1.40)		
			KVV	-	_			
	Max power consumption				1.	65		
	Running current		Cooling		`	220/ 230/ 240 V)		
	nullilling current		Heating	A	3.2 / 3.0 / 2.9 (2	220/ 230/ 240 V)		
Operation	Inrush current, r	max current			3.2 / 3.0 / 2.9 (220/	230/ 240 V) Max. 9		
data	Power factor		Cooling	%		9		
	1 OWEI Idetoi		Heating	/0	85			
	EER		Cooling		4.	55		
	COP		Heating		4.	58		
			Heating (H2)		-			
	Sound power le	evel	Cooling		48	56		
			Heating		50	56		
	Sound pressure level		Cooling	dB(A)	Hi: 34 Me: 25 Lo: 22 ULo: 19	45		
	·		Heating		Hi: 36 Me: 29 Lo: 23 ULo: 19	45		
		und pressure lev	el		_	Cooling:42 / Heating:43		
	ensions (Height x	Width x Depth)		mm	290 x 870 x 230	540 x 780(+62) x 290		
Exterior appe		NI.			Titanium gray (1.6Y 6.59/0.63), (7048)	Stucco white		
` '	color : Munsell, RA	AL)		len	Black (4.0PB 2.44/0.25), (9011)	(4.2Y 7.5/1.1), (7044)		
Net weight			kg	9.5 —	31.0			
Compressor type & Quantity			kW		RM-C5077SBE71(Rotary type) x 1			
Compressor motor (Starting method) Refrigerant oil (Amount, type)				-	0.75 (Inverter driven) 0.30 (DIAMOND FREEZE MB75)			
			L	D22 0 62 in outdoor unit (Incl. th	ne amount for the piping of 15m)			
Heat exchan	Refrigerant (Type, amount, pre-charge length)			kg	nsz 0.62 ili outdoor uriit (ilici. ti	M fins & inner grooved tubing		
Refrigerant of	<u> </u>					tronic expansion valve		
Fan type & C					Tangential fan x 1	Propeller fan x 1		
	Starting method)			w	42 x1 (Direct drive)	24 x1 (Direct drive)		
r arr motor (c	ntarting method)		Cooling	V V	Hi: 9.3 Me: 7.0 Lo: 5.9 ULo: 5.0	27.4		
Air flow			Heating	m³/min	Hi: 10.0 Me: 8.5 Lo: 6.5 ULo: 5.9	23.6		
Available ext	ernal static press	ura	ricating	Pa	0	0		
Outside air ir	· · · · · · · · · · · · · · · · · · ·	ui c		ıα	Not possible			
	lity / Quantity				Polypropylene net (Washable) x 2	_		
	ation absorber		-		Rubber sleeve (for fan motor)	Rubber sleeve (for fan motor & compressor)		
Electric heat		,			—			
	Remote control				Wireless rer	note control		
Operation	Room temperat				Microcomputer thermostat			
control	Operation displa					TIMER: Yellow		
Safety equip					Compressor overheat protection, Serial signal error protection.	ction, Overcurrent protection, ection, Indoor fan motor error protection, ure control), Cooling overload protection		
	Refrigerant pipi			mm	Liquid line: φ 6.35 (1/4")	Gas line: φ9.52 (3/8")		
	Connecting met				Flare connection	Flare connection		
Installation	Attached length			m	Liquid line: 0.54 / Gas line: 0.47	_		
data	Insulation for pi		-			ides), independent		
		(one way) lengt		m	11100	x.20		
		diff. between O/L	J and I/U	m	Max.10 (Outdoor unit is higher)			
	Drain hose				Hose connectable (VP 16)	Hole size φ20 x 2 pcs.		
Drain pump, max lift height		mm		_				
	led breaker size			Α		6		
,	ed rotor ampere)	1		Α		220/ 230/ 240 V)		
Interconnecting wires Size x Core number				, ,	e) / Terminal block (Screw fixing type)			
IP number					IPX0	IPX4		
	N connecting				Standard equipment	_		
Standard acc	cessories					, Photocatalytic washable deodorizing filter x 1)		
Option parts	Option parts				Interface kit (SC-BIKN2-E) (Cannot be used with Wireless LAN)	_		

ſ	Item	Indoor air t	emperature	Outdoor air	temperature	Standards	
	Operation DB Cooling 27°C Heating 20°C		WB	DB	WB	Standards	
			19°C	35°C	24°C	ISO5151-T1	
			_	7°C	6°C	ISO5151-H1	
	Heating (H2)	20°C –		2°C	1°C	ISO5151-H2	

- (2) This air-conditioner is manufactured and tested in conformity with the ISO.(3) Sound level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.(4) Select the breaker size according to the own national standard.

			Mo	ndel	SRK25	ZS-WFT		
Item			1010	dei	Indoor unit SRK25ZS-WFT	Outdoor unit SRC25ZS-W(-W1,-W2)		
Power sourc	e				1 Phase, 220	- 240V, 50Hz		
	Nominal cooling capac	city (range)	kV	W	2.5 (0.9 (Min	.) - 3.1 (Max.))		
	Nominal heating capac	city (range)	kV	W	3.2 (0.9 (Min	.) - 4.5 (Max.))		
	Heating capacity (H2)		kV	W		_		
		Cooling	g		0.62 (0.7	19 - 0.90)		
	Power consumption	Heating	g kV	.,	0.74 (0.2	20 - 1.42)		
	Heating (H2)		g (H2)	vv		-		
	Max power consumpti	on			1.	65		
	Running current	Cooling	9		3.3 / 3.1 / 3.0 (220/ 230/ 240 V)		
	Hulling Current	Heating	g A	4	3.7 / 3.6 / 3.4 (220/ 230/ 240 V)		
Operation	Inrush current, max cu	rrent			3.7 / 3.6 / 3.4 (220/	230/ 240 V) Max. 9		
data	Power factor	Cooling	9 %	6	8	36		
	- Ower lactor	Heating	g (0	9	90		
	EER	Cooling	9			03		
	COP	Heating			4.	32		
		Heating	. ,		-			
ı	Sound power level	Cooling			50	56		
ı		Heating			53	58		
1	Sound pressure level	Cooling	g dB((A)	Hi: 36 Me: 28 Lo: 23 ULo: 19	46		
		Heating	g		Hi: 39 Me: 30 Lo: 24 ULo: 19	46		
	Silent mode sound pre				_	Cooling:42 / Heating:43		
	ensions (Height x Width	x Depth)	mı	m	290 x 870 x 230	540 x 780(+62) x 290		
Exterior appe					Titanium gray (1.6Y 6.59/0.63), (7048)	Stucco white		
` '	color : Munsell, RAL)		1		Black (4.0PB 2.44/0.25), (9011)	(4.2Y 7.5/1.1), (7044)		
Net weight Compressor type & Quantity			kį	g	9.5	31.0 RM-C5077SBE71(Rotary type) x 1		
1 21 2			141	Δ/		\ , ,,,		
Compressor motor (Starting method)			kV	_	-	0.75 (Inverter driven) 0.30 (DIAMOND FREEZE MB75)		
Refrigerant oil (Amount, type) Refrigerant (Type, amount, pre-charge length)			L	_	Doo o co in authory weit (lock the			
	,, , , , , , , , , , , , , , , , , , , ,	e iengin)	k	g	Louver fins & inner grooved tubing	ne amount for the piping of 15m) M fins & inner grooved tubing		
Heat exchan	<u> </u>					tronic expansion valve		
Refrigerant of					Tangential fan x 1			
Fan type & C			W	۸,	Ÿ	Propeller fan x 1		
ran motor (3	starting method)	Cooling		V	42 x1 (Direct drive) Hi: 9.9 Me: 8.0 Lo: 5.9 ULo: 5.0	24 x1 (Direct drive) 27.4		
Air flow		Heating	−−− m³/r	min	Hi: 11.3 Me: 8.7 Lo: 6.7 ULo: 5.9	23.6		
Available ext	ernal static pressure	пеашц	9 Pa	00	0	0		
Outside air ir			1 1	а	Not possible	_		
	lity / Quantity				Polypropylene net (Washable) x 2	_		
	ration absorber				Rubber sleeve (for fan motor)	Rubber sleeve (for fan motor & compressor)		
Electric heat					- Trubber sieeve (for fair filotor)	—		
LICOTIO HEAD	Remote control				- Wireless ro	mote control		
Operation	Room temperature con	ntrol				ter thermostat		
control	Operation display				•	TIMER: Yellow		
Safety equip					Compressor overheat protection, Serial signal error protection	stion, Overcurrent protection, ection, Indoor fan motor error protection, ure control), Cooling overload protection		
	Refrigerant piping size	(O.D)	mr	m	Liquid line: φ6.35 (1/4")	Gas line: φ9.52 (3/8")		
	Connecting method				Flare connection	Flare connection		
Installation	Attached length of pip	ing	n	n _	Liquid line: 0.54 / Gas line: 0.47	_		
data	Insulation for piping				,	ides), independent		
	Refrigerant line (one v		m	n	1112	x.20		
	Vertical height diff. bet	ween O/U and I/U	l m	n	,	/ Max.10 (Outdoor unit is lower)		
Drain hose					Hose connectable (VP 16)	Hole size φ20 x 2 pcs.		
Drain pump, max lift height		mr	-	_	_			
Recommended breaker size L.R.A. (Locked rotor ampere)		A			6			
		A	4		220/ 230/ 240 V)			
Interconnecting wires Size x Core number					, ,	le) / Terminal block (Screw fixing type)		
IP number					IPX0	IPX4		
Wireless LAN connecting					Standard equipment	_		
Standard accessories						I, Photocatalytic washable deodorizing filter x 1)		
Option parts					Interface kit (SC-BIKN2-E) (Cannot be used with Wireless LAN)	_		

ſ	Item	Indoor air t	emperature	Outdoor air	temperature	Standards
	Operation	peration DB		WB DB WB		Standards
	Cooling 27°C Heating 20°C		19°C	35°C	24°C	ISO5151-T1
			_	7°C	6°C	ISO5151-H1
	Heating (H2)	20°C —		2°C	1°C	ISO5151-H2

- (2) This air-conditioner is manufactured and tested in conformity with the ISO.(3) Sound level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.(4) Select the breaker size according to the own national standard.

				Model	SRK35	ZS-WFT		
Item				Wodel	Indoor unit SRK35ZS-WFT	Outdoor unit SRC35ZS-W(-W1,-W2)		
Power sourc	e				1 Phase, 220	- 240V, 50Hz		
	Nominal cooling capac	city (range)		kW	3.5 (0.9 (Min	.) - 4.0 (Max.))		
	Nominal heating capac	city (range)		kW	4.0 (0.9 (Min	.) - 5.0 (Max.))		
	Heating capacity (H2)			kW	-	_		
		Co	ooling		0.89 (0.1	7 - 1.24)		
	Power consumption	He	eating	kW	0.94 (0.1	9 - 1.45)		
	Heating (H2)		KVV.	-	=			
	Max power consumpti	on				65		
	Running current	Co	ooling		4.4 / 4.2 / 4.0 (2	220/ 230/ 240 V)		
	Hulling Current	He	eating	Α	4.6 / 4.4 / 4.2 (2	220/ 230/ 240 V)		
Operation	Inrush current, max cu	rrent			4.6 / 4.4 / 4.2 (220/	230/ 240 V) Max. 9		
data	Power factor	Co	ooling	%	9	2		
	- Ower lactor	He	eating	70	9	3		
	EER	Co	ooling		3.	93		
	COP		eating		4.	26		
			eating (H2)		-			
l	Sound power level	_	ooling		54	61		
ı			eating		56	61		
1	Sound pressure level	Co	ooling	dB(A)	Hi: 40 Me: 30 Lo: 26 ULo: 19	50		
			eating		Hi: 41 Me: 36 Lo: 25 ULo: 19	48		
	Silent mode sound pre				_	Cooling:45 / Heating:44		
	ensions (Height x Width	x Depth)		mm	290 x 870 x 230	540 x 780(+62) x 290		
Exterior appe					Titanium gray (1.6Y 6.59/0.63), (7048)	Stucco white		
` '	color : Munsell, RAL)			Lea	Black (4.0PB 2.44/0.25) , (9011)	(4.2Y 7.5/1.1), (7044)		
Net weight			kg	9.5	34.5			
Compressor type & Quantity				1.347		RM-B5077SBE2(Rotary type) x 1		
Compressor motor (Starting method)			kW	-	0.90 (Inverter driven)			
Refrigerant oil (Amount, type)			L	— — — — — — — — — — — — — — — — — — —	0.30 (DIAMOND FREEZE MB75)			
Refrigerant (Type, amount, pre-charge length)				kg	,	ne amount for the piping of 15m)		
Heat exchanger					Louver fins & inner grooved tubing	M fins & inner grooved tubing tronic expansion valve		
Refrigerant of					Tangential fan x 1			
Fan type & C				W	Ÿ	Propeller fan x 1		
ran motor (3	starting method)	I Co	ooling	VV	42 x1 (Direct drive) Hi: 11.3 Me: 8.7 Lo: 7.0 ULo: 5.0	24 x1 (Direct drive) 31.5		
Air flow			eating	m³/min	Hi: 12.3 Me: 11.0 Lo: 7.0 ULo: 5.6	27.8		
Available ext	ernal static pressure	Пе	allig	Pa	0	0		
Outside air ir				ı a	Not possible	_		
	lity / Quantity				Polypropylene net (Washable) x 2	_		
	ation absorber				Rubber sleeve (for fan motor)	Rubber sleeve (for fan motor & compressor)		
Electric heat					Trubber sieeve (for fair friotor)			
LICOTHO HOU	Remote control				Wireless ren	note control		
Operation	Room temperature con	ntrol				er thermostat		
control	Operation display	11101				TIMER: Yellow		
Safety equip					Compressor overheat protection, Serial signal error protection	stition, Overcurrent protection, sction, Indoor fan motor error protection, ure control), Cooling overload protection		
	Refrigerant piping size	(O.D)		mm	Liquid line: φ6.35 (1/4")	Gas line: φ9.52 (3/8")		
	Connecting method				Flare connection	Flare connection		
Installation	Attached length of pip	ing		m	Liquid line : 0.54 / Gas line : 0.47	_		
data	Insulation for piping				• `	ides), independent		
	Refrigerant line (one v			m	11100	x.20		
	Vertical height diff. bet	ween O/U an	d I/U	m	,	/ Max.10 (Outdoor unit is lower)		
	Drain hose				Hose connectable (VP 16)	Hole size φ20 x 2 pcs.		
Drain pump, max lift height		mm						
Recommended breaker size L.R.A. (Locked rotor ampere)		Α		6				
		Α	`	220/ 230/ 240 V)				
Interconnecting wires Size x Core number					e) / Terminal block (Screw fixing type)			
IP number					IPX0	IPX4		
Wireless LAN connecting				Standard equipment	_			
Standard accessories						, Photocatalytic washable deodorizing filter x 1)		
Option parts					Interface kit (SC-BIKN2-E) (Cannot be used with Wireless LAN)	_		

ſ	Item	Indoor air t	emperature	Outdoor air	temperature	Standards	
	Operation DB Cooling 27°C Heating 20°C		WB	DB	WB	Standards	
			19°C	35°C	24°C	ISO5151-T1	
			_	7°C	6°C	ISO5151-H1	
	Heating (H2)	20°C –		2°C	1°C	ISO5151-H2	

- (2) This air-conditioner is manufactured and tested in conformity with the ISO.(3) Sound level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.(4) Select the breaker size according to the own national standard.

				Model	SRK50	ZS-WFT	
Item				Wiodei	Indoor unit SRK50ZS-WFT	Outdoor unit SRC50ZS-W	
Power source	е				1 Phase, 220	- 240V, 50Hz	
	Nominal cooling ca	apacity (range	e)	kW	5.0 (1.3 (Min	.) - 5.5 (Max.))	
	Nominal heating capacity (range)			kW	5.8 (1.3 (Min.) - 6.6 (Max.))		
	Heating capacity (H2)		kW	-			
			Cooling		1.35 (0.2	29 - 1.80)	
	Power consumption	on	Heating	144/	1.56 (0.2	25 - 1.98)	
			Heating (H2)	kW	-		
	Max power consur	mption			2.	68	
	Dunning ourrent		Cooling		6.2 / 5.9 / 5.7 (220/ 230/ 240 V)	
	Running current		Heating	Α	7.2 / 6.9 / 6.6 (220/ 230/ 240 V)	
Operation	Inrush current, ma	x current			7.2 / 6.9 / 6.6 (220/ 2	30/ 240 V) Max. 14.5	
data	Power factor		Cooling	- %	9	99	
	1 Ower lactor		Heating	/0	9	99	
	EER		Cooling		3.	70	
	COP		Heating		3.	72	
	COF		Heating (H2)		-	_	
	Sound power level	ı	Cooling		59	61	
	Souria power level		Heating		60	63	
	Sound pressure le	vel	Cooling	dB(A)	Hi: 46 Me: 36 Lo: 29 ULo: 22	51	
	Souria pressure le	vei	Heating		Hi: 46 Me: 37 Lo: 31 ULo: 24	52	
	Silent mode sound	d pressure lev	el		_	Cooling:43 / Heating:45	
Exterior dime	ensions (Height x Wi	dth x Depth)		mm	290 x 870 x 230	595 x 780(+62) x 290	
Exterior appe					Titanium gray (1.6Y 6.59/0.63) , (7048)	Stucco white	
` '	olor : Munsell, RAL)				Black (4.0PB 2.44/0.25) , (9011)	(4.2Y 7.5/1.1) , (7044)	
Net weight				kg	10.0	36.0	
· ·	type & Quantity				_	9RS102XDA21(Rotary type) x 1	
· · · · · · · · · · · · · · · · · · ·	motor (Starting met	hod)		kW	_	1.50 (Inverter driven)	
	il (Amount, type)			L	_	0.32 (FW50S)	
,	Type, amount, pre-c	harge length)		kg	`	ne amount for the piping of 15m)	
Heat exchang					Louver fins & inner grooved tubing	M fins & inner grooved tubing	
Refrigerant c						tronic expansion valve	
Fan type & Q					Tangential fan x 1	Propeller fan x 1	
Fan motor (S	tarting method)		Τ.	W	42 x1 (Direct drive)	24 x1 (Direct drive)	
Air flow			Cooling	m³/min	Hi: 12.1 Me: 9.9 Lo: 7.4 ULo: 5.9	32.8	
			Heating		Hi: 13.9 Me: 11.2 Lo: 9.1 ULo: 7.4	32.8	
	ernal static pressure	9		Pa	0	0	
Outside air in					Not possible	_	
	lity / Quantity				Polypropylene net (Washable) x 2	_	
	ation absorber				Rubber sleeve (for fan motor)	Rubber sleeve (for fan motor & compressor)	
Electric heate					_	_	
Operation	Remote control				Wireless remote control Microcomputer thermostat		
control	Room temperature	control			·		
	Operation display					TIMER: Yellow	
Safety equipr	ments				Frost protection, Serial signal error prote	ction, Overcurrent protection, ection, Indoor fan motor error protection, ure control), Cooling overload protection	
	Refrigerant piping			mm	Liquid line: φ 6.35 (1/4")		
	Connecting metho				Flare connection	Flare connection	
Installation	Attached length of			m	Liquid line: 0.54 / Gas line: 0.47	_	
data	Insulation for pipin					ides), independent	
	Refrigerant line (o			m	Max.25		
	Vertical height diff. between O/U and I/U		m	,	/ Max.15 (Outdoor unit is lower)		
Drain hose			Hose connectable (VP 16)	Hole size φ20 x 2 pcs.			
Drain pump, max lift height			mm				
Recommended breaker size			Α	I .	20		
	ed rotor ampere)			Α		220/ 230/ 240 V)	
Interconnecti	ing wires S	Size x Core nu	ımber			le) / Terminal block (Screw fixing type)	
IP number					IPX0	IPX4	
Wireless LAN					Standard equipment	_	
Standard acc	cessories					Photocatalytic washable deodorizing filter x 1)	
Option parts					Interface kit (SC-BIKN2-E) (Cannot be used with Wireless LAN)	_	

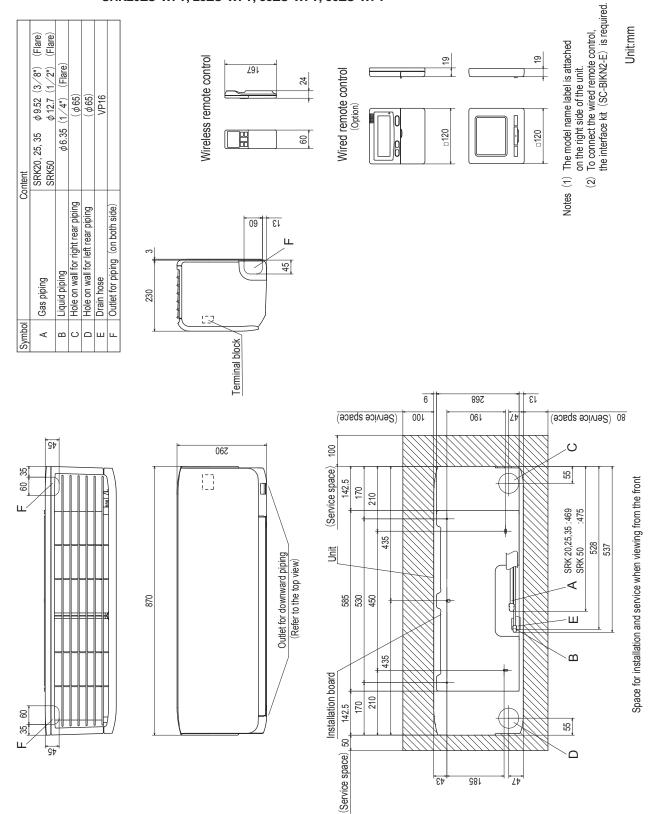
			_			
ſ	Item	Indoor air t	emperature	Outdoor air	temperature	Standards
	Operation	DB	WB	DB	WB	Staridards
	Cooling	27°C	19°C	35°C	24°C	ISO5151-T1
	Heating	20°C	_	7°C	6°C	ISO5151-H1
	Heating (H2)	20°C	_	2°C	1°C	ISO5151-H2

- (2) This air-conditioner is manufactured and tested in conformity with the ISO.(3) Sound level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.(4) Select the breaker size according to the own national standard.

2. EXTERIOR DIMENSIONS

(1) Indoor units

Models SRK20ZS-WF, 25ZS-WF, 35ZS-WF, 50ZS-WF SRK20ZS-WFB, 25ZS-WFB, 35ZS-WFB, 50ZS-WFB SRK20ZS-WFT, 25ZS-WFT, 35ZS-WFT, 50ZS-WFT



(2) Outdoor units

Models SRC20ZS-W, 25ZS-W, 35ZS-W SRC25ZS-W1, 35ZS-W1 SRC25ZS-W2, 35ZS-W2

Unit:mm

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

The unit must be fixed with anchor bolts. An anchor bolt must not

The unit must not be surrounded by walls on the four sides.

Leave 200mm or more space above the unit.

The wall height on the outlet side should be 1200mm or less. **4 6 6**

The model name label is attached on the right side of the unit. Γ 3 Inlet

Installation space

280 or more	100 or more	80 or more	250 or more		
L1	L2	L3	L4	Terminal block	138.4 33.5

	(Flare)	(Flare)	es	ices
	(3/8")	ϕ 6.35 (1/4")		M10-12×4 places
	$\phi 9.52$	¢6.35	φ	M1

Service valve connection (liquid side)

Pipe/cable draw-out hole Drain discharge hole Anchor bolt hole

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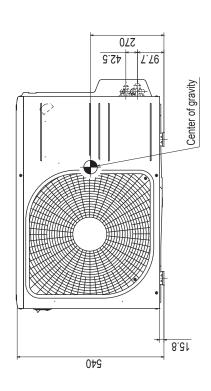
Service valve connection (gas side)

⋖ В

Content

(3)

	9.135	
24.3	312.5	8.41 4.81
	130	17.9
260 50.6 12		158.4
Ш		2-12×16 Slot hole
<u>}</u>		Slo 510 780
Center of gravity 390.6		
390.6		390.6
ш		111.6
14.6		F:00
4.8	7 500	02 70 70



RCV000Z036<u></u>♠

Unit:mm

Model SRC50ZS-W

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

If the unit is installed in the location where there is a possibility of strong winds, place the unit such that the direction of air from the protrude more than 15mm.

outlet gets perpendicular to the wind direction.

Leave 200mm or more space above the unit.

The wall height on the outlet side should be 1200mm or less.

4 (3) (6)

The model name label is attached on the right side of the unit. \sqsubseteq Inlet

Installation space

280 or more 100 or more 80 or more 250 or more

> Γ

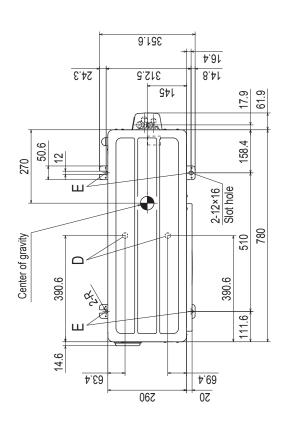
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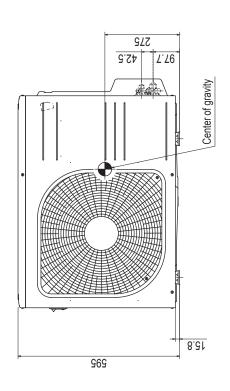
40° \circ Terminal block 40° 33.5 138.4

50

 \mathfrak{S}

	(Flare)	(Flare)		ses	ses
	(1/2")	(1/4")		♦ 20×2 places	M10-12×4 places
	φ12.7	ϕ 6.35		φ	M10
Content	(gas side)	(liquid side)	4		
	Service valve connection (gas side) $\phi 12.7 (1/2")$ (Flare)	Service valve connection (liquid side) ϕ 6.35 (1/4") (Flare)	Pipe/cable draw-out hole	Drain discharge hole	olt hole
	Service v	Service v	Pipe/ca	Drain dis	Anchor bolt hole
Symbol	4	В	ပ	۵	Ш



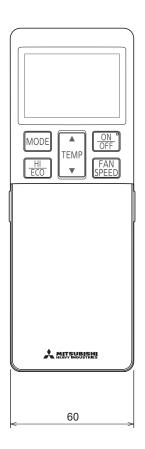


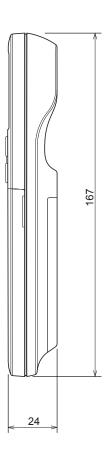
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(3) Remote control

(a) Wireless remote control

Unit: mm

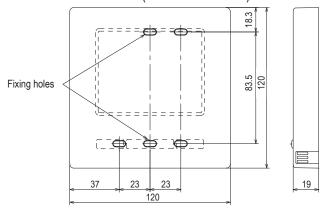




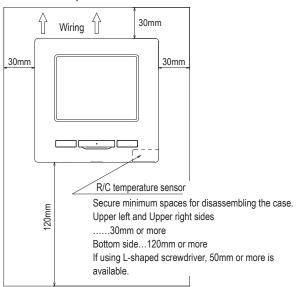
(b) Wired remote control (Option parts) Interface kit (SC-BIKN2-E) is required to use the wired remote control.

Model RC-EX3A

Dimensions (Viewed from front)



Installation space



• 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.

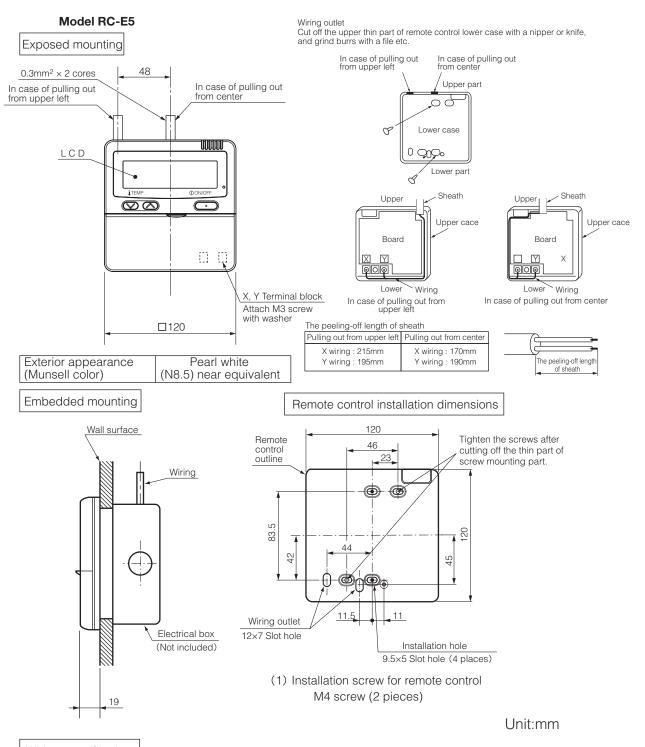
The influences transmitted from the remote control to medical or communication equipment could disrupt medical activities, video broadcasting or cause noise interference.

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 $0.5~\text{mm}^2$. 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.

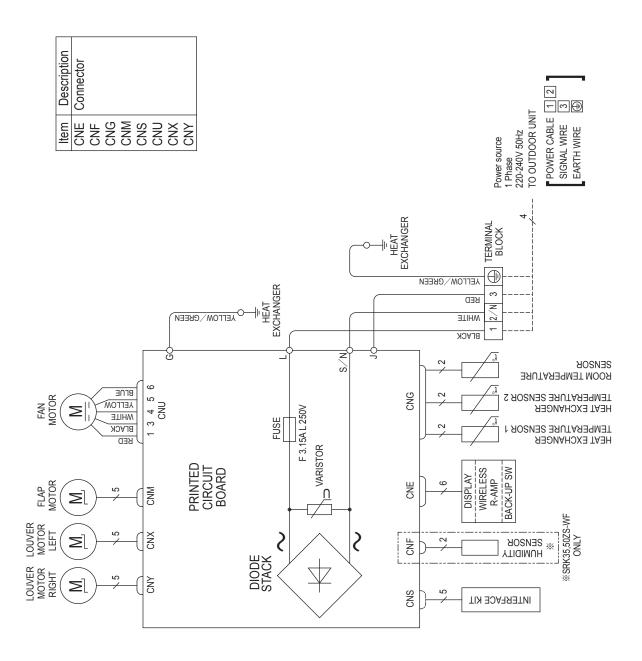
Length	Wiring thickness
100 to 200m	0.5mm ² × 2 cores
Under 300m	0.75mm ² × 2 cores
Under 400m	1.25mm ² × 2 cores
Under 600m	2.0mm ² × 2 cores

PJZ000Z295

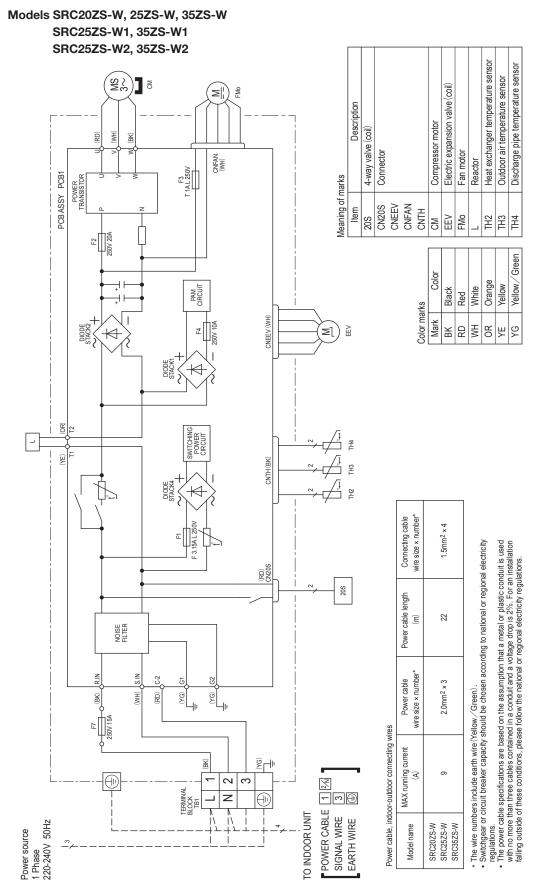
3. ELECTRICAL WIRING

(1) Indoor units

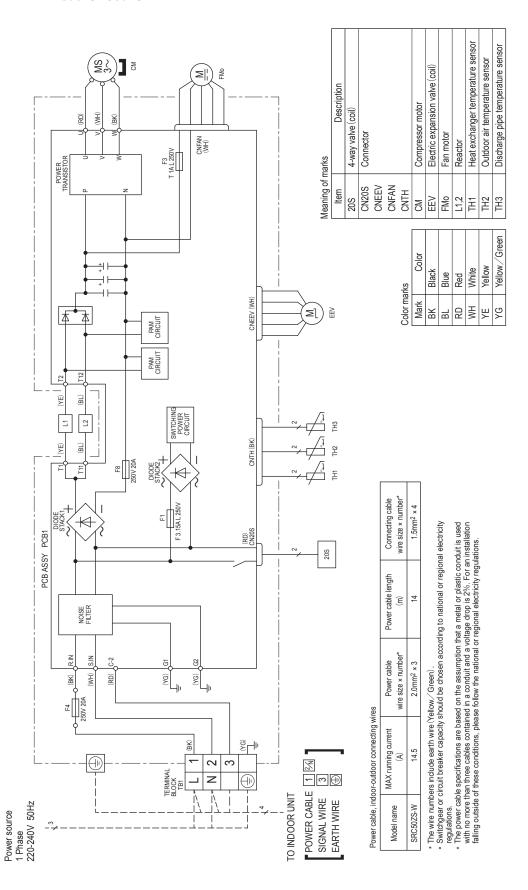
Models SRK20ZS-WF, 25ZS-WF, 35ZS-WF, 50ZS-WF SRK20ZS-WFB, 25ZS-WFB, 35ZS-WFB, 50ZS-WFB SRK20ZS-WFT, 25ZS-WFT, 35ZS-WFT, 50ZS-WFT



(2) Outdoor units



Model SRC50ZS-W



4. NOISE LEVEL

(1) Sound power level
Models SRK20ZS-WF, -WFB, -WFT

(Indoor unit)

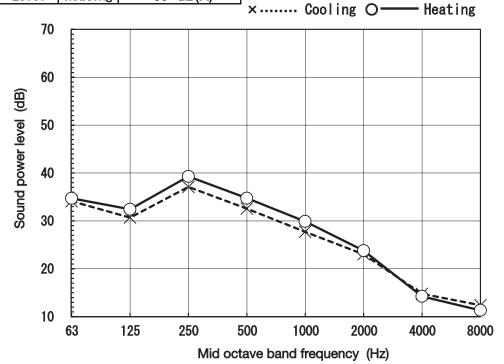
Model SRK20ZS-WF,WFB,WFT

Noise Cooling 48 dB(A)

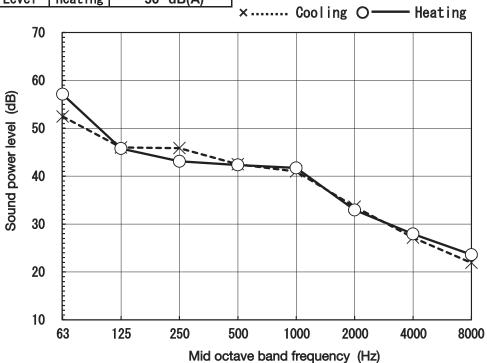
Level Heating 50 dB(A)

Condition	IS05151	T1/H1

MODE Rated capacity value(Hi)



(000001	(Cacaco: airre)				
Model	S	RC20ZS-W			
Noise	Cooling	56 dB(A)			
Level	Heating	56 dB(A)			



(Indoor unit)

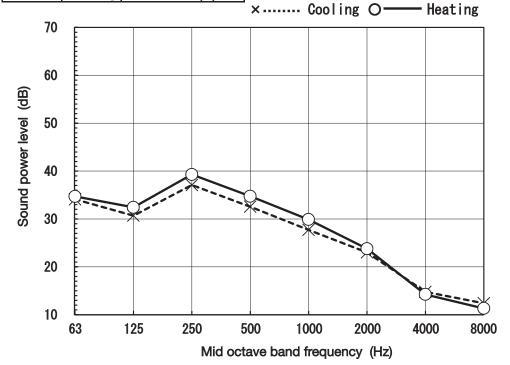
Model SRK25ZS-WF,WFB,WFT

Noise Cooling 50 dB(A)

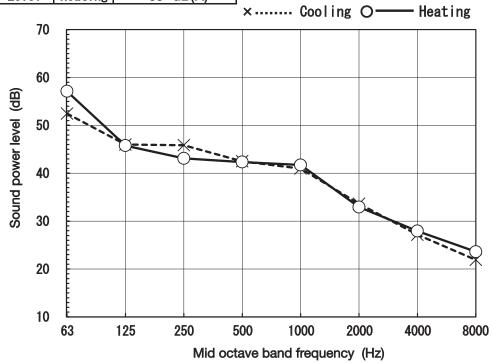
Level Heating 53 dB(A)

Condition	IS05151	T1/H1	

MODE Rated capacity value(Hi)



Model	SRC2	5ZS-W, -W1, -W2
Noise	Cooling	56 dB(A)
Level	Heating	58 dB(A)



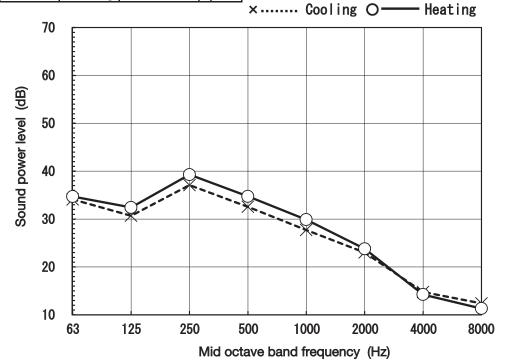
 Model
 SRK35ZS-WF,WFB,WFT

 Noise
 Cooling
 54 dB(A)

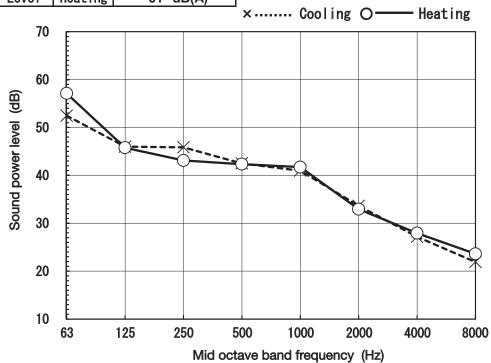
 Level
 Heating
 56 dB(A)

Condition	IS05151 T1/H1

MODE Rated capacity value(Hi)



(outdoor direct		
Model SRC35ZS-W, -W1, -W2		
Noise	Cooling	61 dB(A)
Level	Heating	61 dB(A)



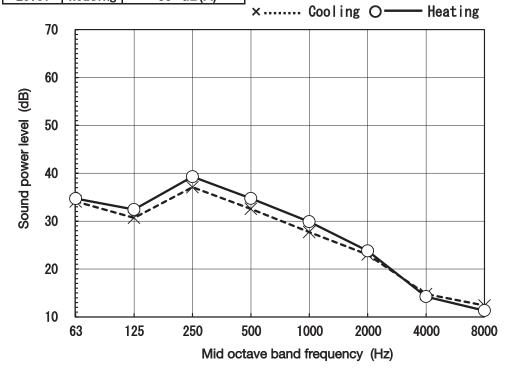
 Model
 SRK50ZS-WF,WFB,WFT

 Noise
 Cooling
 59 dB(A)

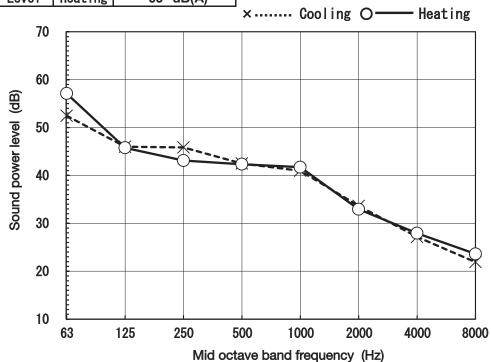
 Level
 Heating
 60 dB(A)

Condition	IS05151	T1/H1
-		

MODE	Rated	capacity	value(Hi)



(outdoor direct		
Model	SRC50ZS-W	
Noise	Cooling	61 dB(A)
Level	Heating	63 dB(A)



(2) Sound pressure level

(a) Rated capacity value

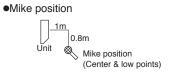
Models SRK20ZS-WF, -WFB, -WFT

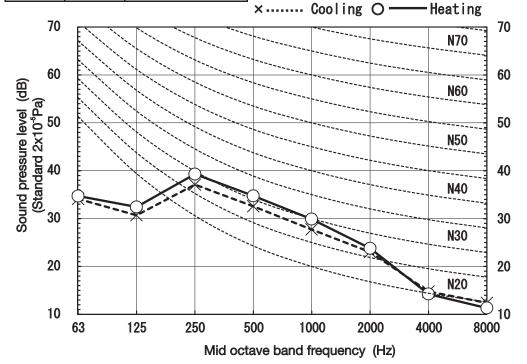
Condition ISO5151 T1/H1

MODE Rated capacity value(Hi)

(Indoor unit)

(1110001	uiii c/	
Model	SRK20ZS-WF,WFB,WFT	
Noise	Cooling	34 dB(A)
Level	Heating	36 dB(A)

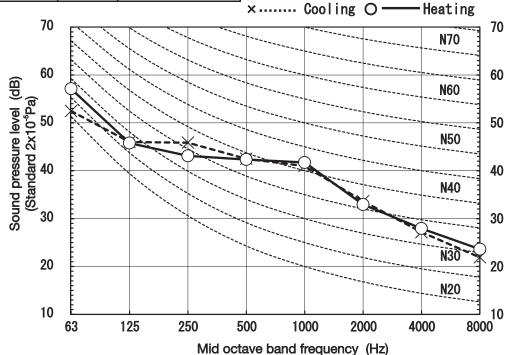


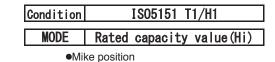


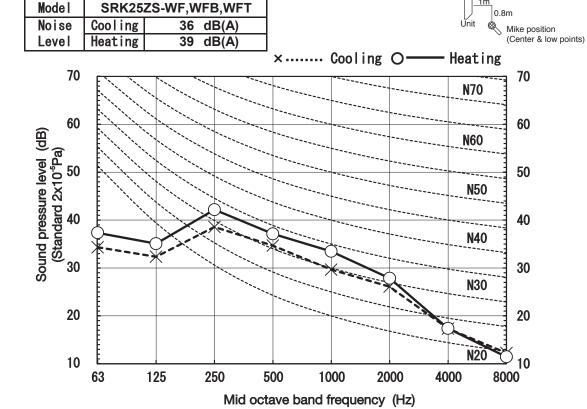
(Outdoor unit)

Model	SRC20ZS-W	
Noise	Cooling	45 dB(A)
Level	Heating	45 dB(A)

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





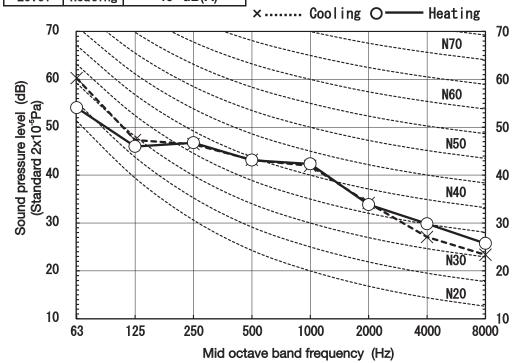


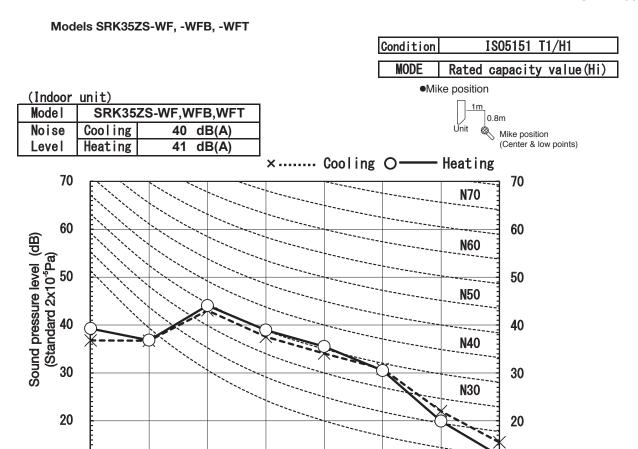
(Outdoor unit)

(Indoor unit)

(
Model	SRC2	5ZS-W, -W1, -W2
Noise	Cooling	46 dB(A)
Level	Heating	46 dB(A)

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





1000

Mid octave band frequency (Hz)

2000

(Outdoor unit)

10

63

Model	SRC35ZS-W, -W1, -W2	
Noise	Cooling	50 dB(A)
Level	Heating	48 dB(A)

125

250

500

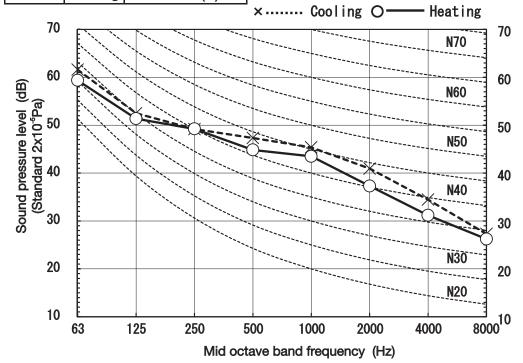
 Mike position: at highest noise level in position as mentioned below Distance from front side 1m

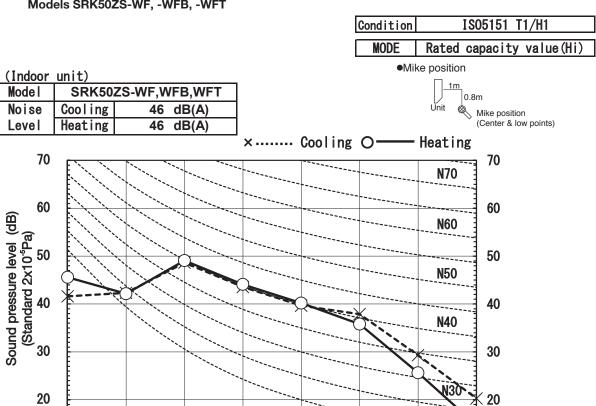
4000

N20

10

8000





1000

Mid octave band frequency (Hz)

2000

(Outdoor unit)

10

63

Model	SRC50ZS-W	
Noise	Cooling	51 dB(A)
Level	Heating	52 dB(A)

125

250

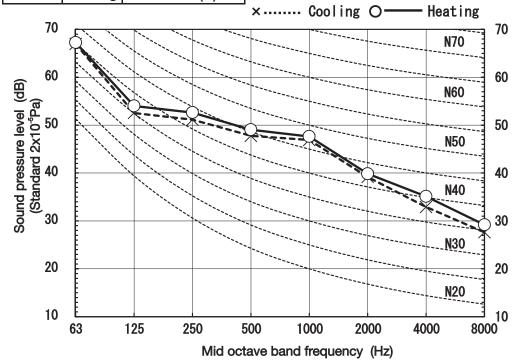
500

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

4000

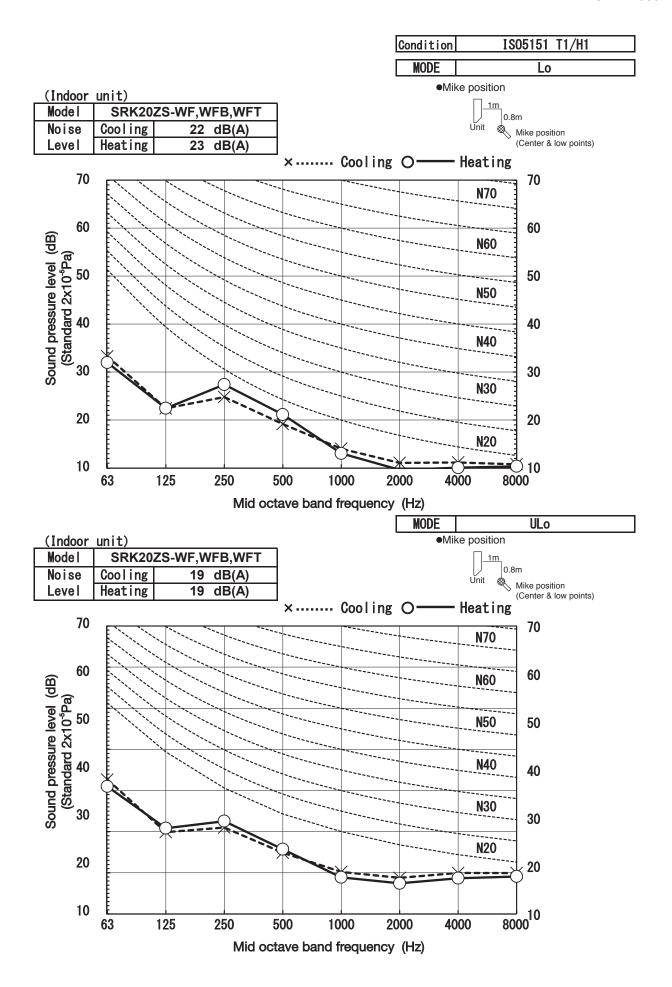
10

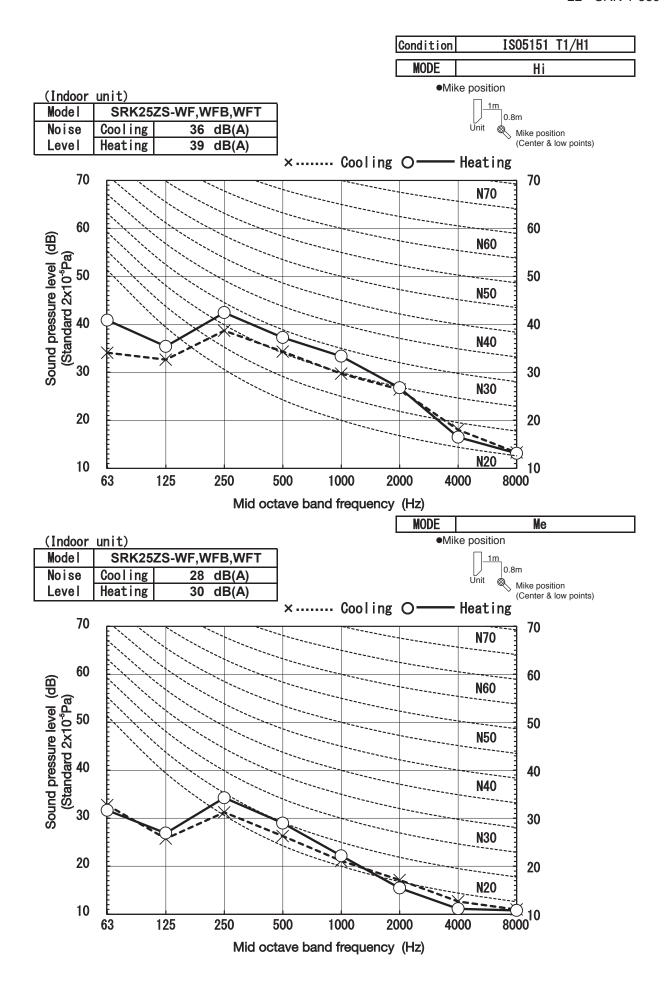
8000

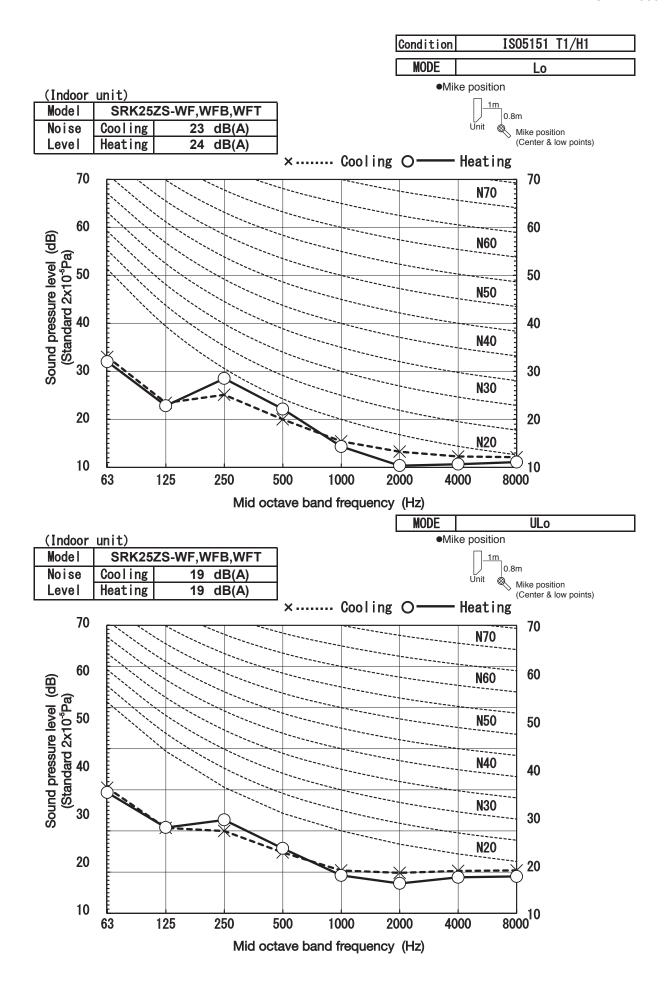


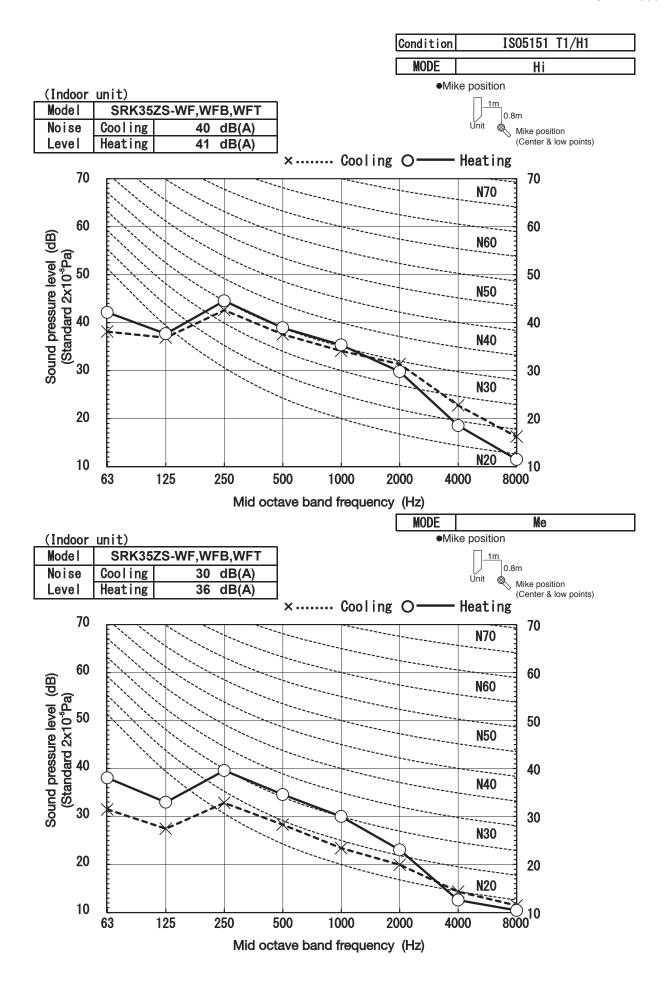
(b) Each fan speed mode IS05151 T1/H1 Condition MODE Hi Mike position (Indoor unit) SRK20ZS-WF,WFB,WFT Model 34 dB(A) Noise Cooling Mike position Level Heating 36 dB(A) × Cooling O-— Heating 70 70 N70 60 60 Sound pressure level (dB) (Standard 2x10⁻⁵Pa) **N60** 50 50 N50 40 40 **N40** 30 N30 20 20 N20 10 10 63 125 250 500 1000 2000 4000 8000 Mid octave band frequency (Hz) MODE Me Mike position (Indoor unit) SRK20ZS-WF,WFB,WFT Mode I 25 dB(A) Noise Cooling Mike position Level Heating 29 dB(A) (Center & low points) × Cooling O-- Heating 70 70 N70 60 60 Sound pressure level (dB) (Standard 2x10*Pa) Standard 2x10*Pa) **N60** 50 **N50** 40 N40 30 N30 20 20 N20 ₹ 8000 10 10 125 250 500 4000 63 1000 2000

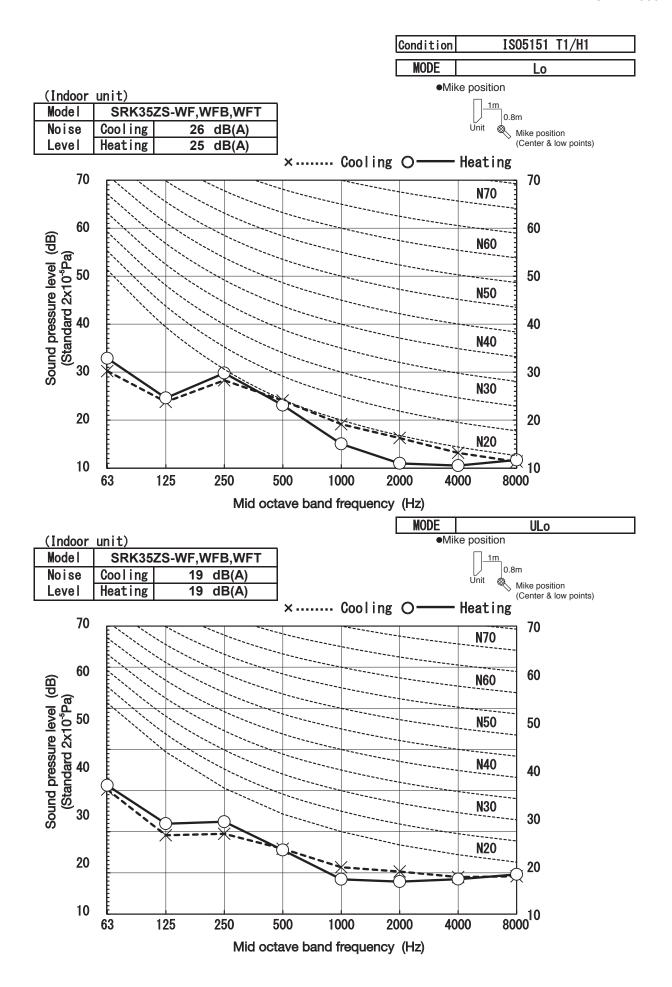
Mid octave band frequency (Hz)

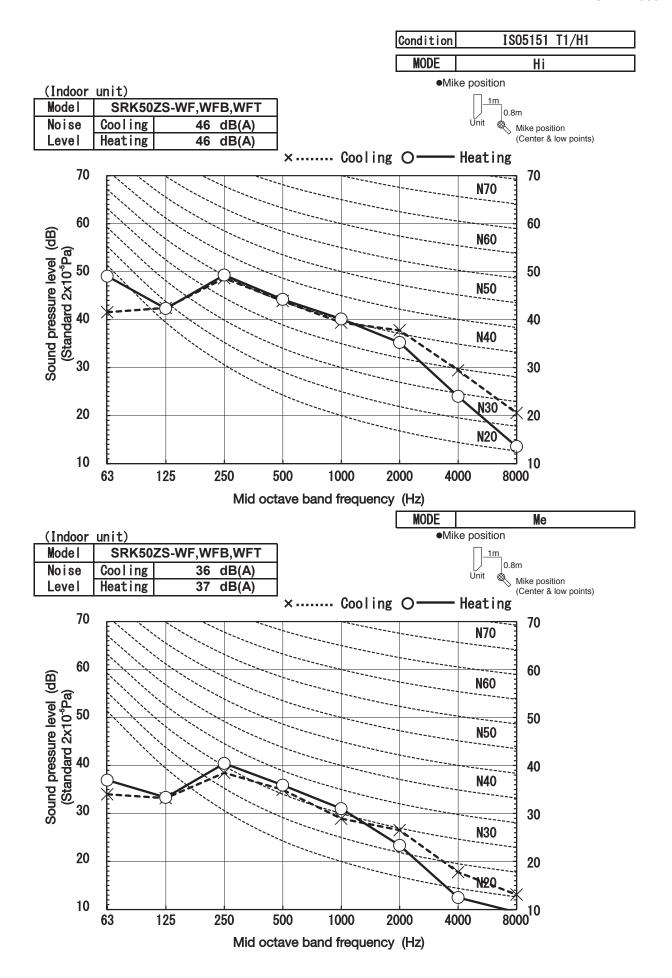


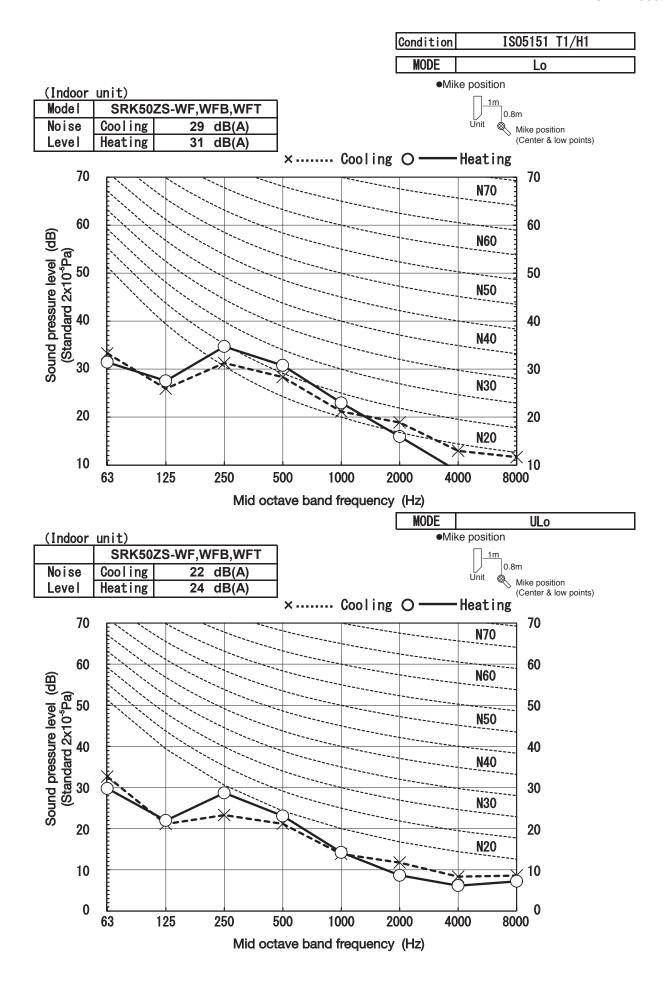






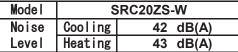




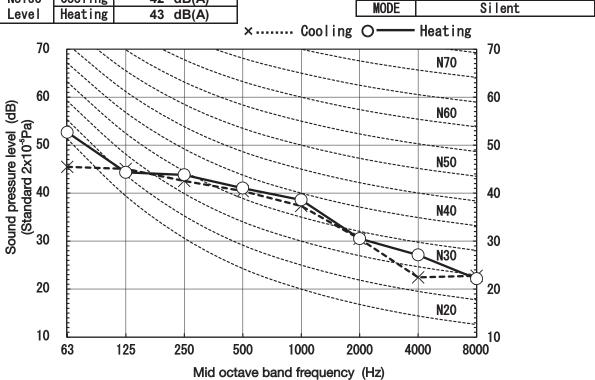


Condition ISO5151 T1/H1

(Outdoor unit)



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



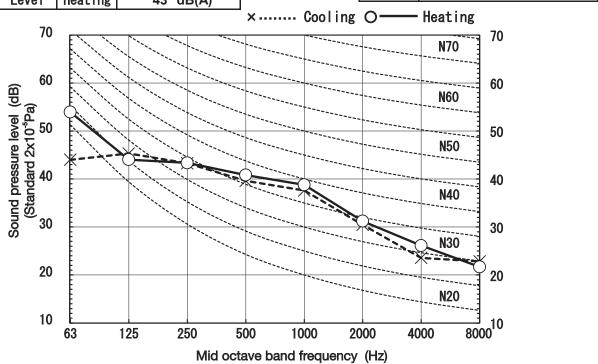
(Outdoor unit)

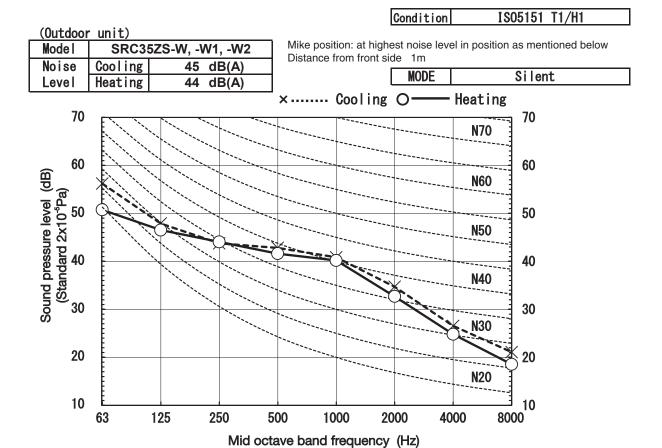
	(ou cuooi	uiii c/	
	Mode I	SRC2	5ZS-W, -W1, -W2
I		Cooling	
I	Level	Heating	43 dB(A)

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

Silent

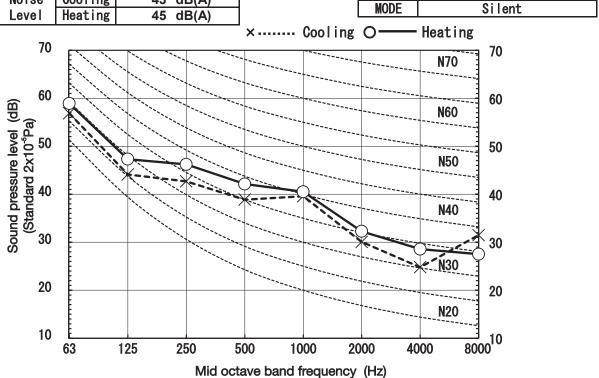
MODE





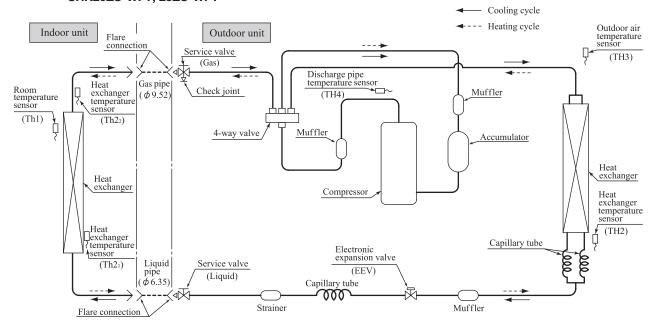
| (Outdoor unit) | Model | SRC50ZS-W | Noise | Cooling | 43 dB(A) | Level | Heating | 45 dB(A)

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

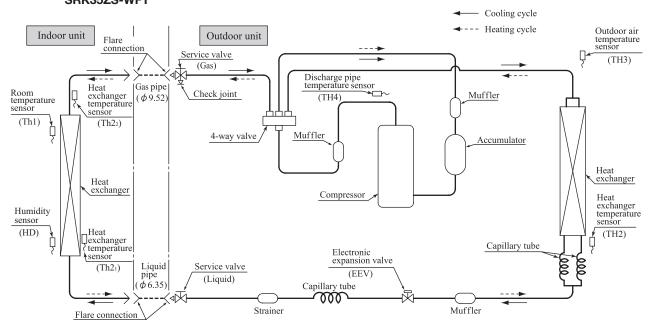


5. PIPING SYSTEM

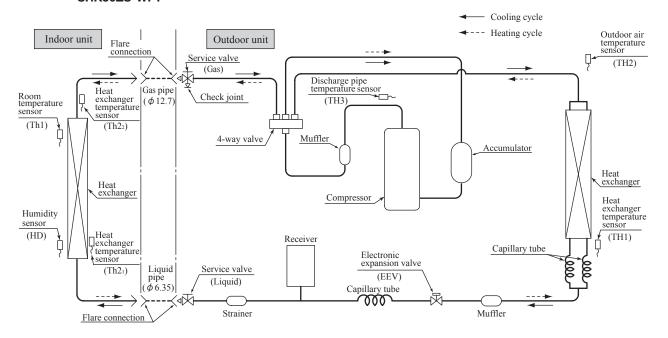
Models SRK20ZS-WF, 25ZS-WF SRK20ZS-WFB, 25ZS-WFB SRK20ZS-WFT, 25ZS-WFT



Models SRK35ZS-WF SRK35ZS-WFB SRK35ZS-WFT



Models SRK50ZS-WF SRK50ZS-WFB SRK50ZS-WFT



6. RANGE OF USAGE & LIMITATIONS

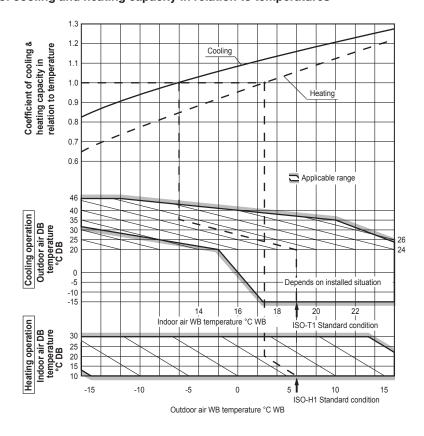
Model	SRK20,25,35ZS-WF SRK20,25,35ZS-WFB SRK20,25,35ZS-WFT	SRK50ZS-WF SRK50ZS-WFB SRK50ZS-WFT
Indoor return air temperature (Upper, lower limits)	Cooling operation : Appro Heating operation : Appro (Refer to the selection cha	eximately 10 to 30°C DB
Outdoor air temperature (Upper, lower limits)	Cooling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

Selection chart

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

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

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



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

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

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

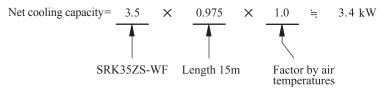
(3) Correction relative to frosting on outdoor heat exchanger during heating

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

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

How to obtain the cooling and heating capacity

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



7. CAPACITY TABLES

Models SRK20ZS-WF, -WFB, -WFT

Cooling mode (kW)

Outdoor Indoor air temperature															
Air flow	air	21°0	DB	23°0	DDB	26°0	DB	27°CDB		28°CDB		31°0	DB	33°0	CDB
All llow	temperature	14°CWB		16°C	16°CWB		18°CWB		19°CWB		CWB	22°CWB		24°CWB	
	°CDB	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
	10	2.25	2.11	2.36	2.08	2.45	2.19	2.49	2.17	2.53	2.15	2.60	2.25	2.67	2.20
	12	2.21	2.09	2.32	2.06	2.41	2.18	2.45	2.16	2.50	2.14	2.58	2.24	2.65	2.19
	14	2.17	2.06	2.28	2.04	2.38	2.17	2.42	2.15	2.47	2.12	2.55	2.23	2.62	2.18
	16	2.13	2.02	2.24	2.02	2.34	2.15	2.39	2.13	2.43	2.11	2.52	2.22	2.59	2.18
	18	2.08	1.98	2.19	2.01	2.30	2.14	2.35	2.12	2.40	2.10	2.49	2.21	2.56	2.17
	20	2.04	1.94	2.15	1.99	2.26	2.12	2.31	2.10	2.36	2.08	2.45	2.20	2.53	2.16
	22	1.99	1.89	2.10	1.97	2.22	2.10	2.28	2.09	2.32	2.07	2.42	2.19	2.50	2.14
Hi	24	1.94	1.85	2.05	1.95	2.18	2.07	2.24	2.08	2.28	2.06	2.38	2.18	2.47	2.14
9.3	26	1.90	1.80	2.01	1.91	2.14	2.03	2.20	2.06	2.24	2.04	2.35	2.17	2.43	2.13
(m³/min)	28	1.85	1.75	1.96	1.86	2.09	1.99	2.15	2.05	2.20	2.03	2.31	2.15	2.40	2.12
	30	1.79	1.70	1.90	1.81	2.05	1.94	2.11	2.01	2.16	2.01	2.27	2.14	2.36	2.09
	32	1.74	1.65	1.85	1.76	2.00	1.90	2.07	1.96	2.12	2.00	2.23	2.12	2.32	2.08
	34	1.69	1.60	1.80	1.71	1.95	1.85	2.02	1.92	2.07	1.97	2.19	2.08	2.28	2.07
	35	1.66	1.58	1.77	1.68	1.93	1.83	2.00	1.90	2.05	1.94	2.17	2.06	2.26	2.06
	36	1.63	1.55	1.74	1.65	1.90	1.81	1.98	1.88	2.02	1.92	2.15	2.04	2.24	2.05
	38	1.58	1.50	1.68	1.60	1.85	1.76	1.93	1.83	1.98	1.88	2.11	2.00	2.20	2.04
	39	1.55	1.47	1.66	1.57	1.83	1.74	1.91	1.81	1.95	1.85	2.08	1.98	2.18	2.04

	Heating mode (HC) (kV												
Air flow	Outdoor air temperature		Indoor air temperature										
	°CWB	16°CDB	18°CDB	20°CDB	22°CDB	24°CDB							
	-15	1.66	1.63	1.59	1.55	1.52							
	-10	1.88	1.85	1.82	1.78	1.74							
	-5	2.04	2.01	1.97	1.94	1.91							
Hi	0	2.13	2.10	2.07	2.04	2.01							
10.0	5	2.72	2.69	2.67	2.62	2.58							
(m³/min)	6	2.76	2.73	2.70	2.67	2.63							
	10	2.94	2.91	2.89	2.85	2.82							
	15	3.20	3.17	3.14	3.11	3.08							
	20	3.43	3.41	3.39	3.35	3.32							

Models SRK25ZS-WF, -WFB, -WFT

Cooling mode

	Outdoor						Indo	or air t	empera	ture					
Air flow	air	21°0	DB	23°C	DB	26°0	CDB	27°C	DB	28°0	DB	31°0	CDB	33°0	CDB
Air flow	temperature	ture 14°CWB		16°CWB		18°C	18°CWB		19°CWB		WB	22°CWB		24°CWB	
	°CDB	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
	10	2.82	2.45	2.95	2.41	3.06	2.54	3.11	2.51	3.16	2.48	3.26	2.59	3.34	2.52
	12	2.77	2.43	2.90	2.39	3.01	2.52	3.07	2.49	3.12	2.47	3.22	2.58	3.31	2.51
	14	2.71	2.41	2.85	2.37	2.97	2.50	3.03	2.48	3.08	2.45	3.18	2.56	3.28	2.50
	16	2.66	2.38	2.80	2.35	2.92	2.49	2.98	2.46	3.04	2.44	3.15	2.55	3.24	2.49
	18	2.60	2.36	2.74	2.33	2.88	2.47	2.94	2.45	2.99	2.42	3.11	2.54	3.20	2.48
	20	2.55	2.33	2.68	2.30	2.83	2.45	2.89	2.43	2.95	2.40	3.07	2.52	3.17	2.47
	22	2.49	2.31	2.63	2.28	2.78	2.42	2.84	2.41	2.90	2.38	3.02	2.51	3.13	2.45
Hi	24	2.43	2.28	2.57	2.26	2.72	2.40	2.80	2.39	2.85	2.37	2.98	2.49	3.08	2.44
9.9	26	2.37	2.25	2.51	2.23	2.67	2.38	2.74	2.37	2.80	2.35	2.93	2.48	3.04	2.43
(m³/min)	28	2.31	2.19	2.44	2.20	2.61	2.36	2.69	2.35	2.75	2.33	2.89	2.46	3.00	2.41
	30	2.24	2.13	2.38	2.17	2.56	2.34	2.64	2.33	2.70	2.31	2.84	2.44	2.95	2.40
	32	2.18	2.07	2.31	2.15	2.50	2.32	2.58	2.31	2.64	2.29	2.79	2.43	2.90	2.38
	34	2.11	2.00	2.25	2.12	2.44	2.29	2.53	2.29	2.59	2.27	2.74	2.41	2.85	2.37
	35	2.08	1.97	2.21	2.10	2.41	2.28	2.50	2.28	2.56	2.26	2.71	2.40	2.83	2.36
	36	2.04	1.94	2.18	2.07	2.38	2.26	2.47	2.27	2.53	2.25	2.69	2.40	2.80	2.36
	38	1.97	1.87	2.11	2.00	2.32	2.20	2.41	2.24	2.47	2.22	2.63	2.38	2.75	2.34
	39	1.94	1.84	2.07	1.97	2.28	2.17	2.38	2.23	2.44	2.21	2.61	2.37	2.72	2.33

Heating mode (HC) (kV												
Air flow	Outdoor air temperature		Indoor air temperature									
	°CWB	16°CDB	18°CDB	20°CDB	22°CDB	24°CDB						
	-15	1.97	1.93	1.88	1.84	1.80						
	-10	2.23	2.19	2.16	2.10	2.06						
	-5	2.41	2.38	2.33	2.30	2.27						
Hi	0	2.53	2.49	2.45	2.42	2.38						
11.3	5	3.22	3.19	3.17	3.10	3.06						
(m³/min)	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						
	20	4.07	4.04	4.02	3.97	3.94						

Models SRK35ZS-WF -WFB, -WFT

Coolin

ng	mode		(k۱

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

Heating mode (HC) (I												
Air flow	Outdoor air temperature		Indoor air temperature									
	°CWB	16°CDB	18°CDB	20°CDB	22°CDB	24°CDB						
	-15	2.46	2.41	2.35	2.30	2.25						
	-10	2.79	2.74	2.70	2.63	2.58						
	-5	3.02	2.97	2.91	2.88	2.83						
Hi	0	3.16	3.12	3.06	3.02	2.98						
12.3	5	4.03	3.98	3.96	3.88	3.83						
(m³/min)	6	4.09	4.04	4.00	3.95	3.90						
	10	4.35	4.31	4.28	4.22	4.18						
	15	4.73	4.69	4.66	4.61	4.56						
	20	5.09	5.05	5.02	4.96	4.92						

Models SRK50ZS-WF, -WFB, -WFT

Cooling mode

	Outdoor	Indoor air temperature													
Air flow	air	21°0	21°CDB		23°CDB 26°CDB 27°C		DB	DB 28°CDB		31°CDB		33°CDB			
AII IIOW	temperature	14°C	WB	16°C	WB	18°C	WB	19°C	WB	20°C	WB	22°C	WB	24°C	WB
	°CDB	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
	10	5.63	4.25	5.90	4.17	6.11	4.29	6.22	4.23	6.32	4.17	6.51	4.28	6.69	4.14
	12	5.53	4.19	5.80	4.12	6.03	4.25	6.14	4.19	6.25	4.14	6.44	4.25	6.62	4.12
	14	5.43	4.14	5.70	4.07	5.94	4.21	6.05	4.16	6.16	4.10	6.37	4.22	6.55	4.09
	16	5.32	4.08	5.59	4.02	5.85	4.17	5.96	4.12	6.08	4.07	6.29	4.19	6.48	4.07
	18	5.21	4.02	5.48	3.97	5.75	4.13	5.88	4.08	5.99	4.03	6.21	4.16	6.41	4.04
	20	5.10	3.96	5.37	3.92	5.65	4.08	5.78	4.04	5.90	3.99	6.13	4.13	6.33	4.02
	22	4.98	3.90	5.25	3.86	5.55	4.04	5.69	4.00	5.80	3.95	6.05	4.10	6.25	3.99
Hi	24	4.86	3.84	5.14	3.80	5.45	3.99	5.59	3.96	5.71	3.91	5.96	4.07	6.17	3.96
12.1	26	4.74	3.78	5.01	3.74	5.34	3.94	5.49	3.92	5.61	3.87	5.87	4.03	6.08	3.93
(m³/min)	28	4.61	3.72	4.89	3.68	5.23	3.89	5.39	3.87	5.50	3.83	5.78	4.00	5.99	3.90
	30	4.49	3.66	4.76	3.62	5.11	3.85	5.28	3.83	5.40	3.79	5.68	3.96	5.90	3.86
	32	4.35	3.59	4.63	3.56	5.00	3.80	5.17	3.78	5.29	3.75	5.58	3.92	5.81	3.83
	34	4.22	3.53	4.49	3.49	4.88	3.74	5.06	3.74	5.18	3.70	5.48	3.88	5.71	3.80
	35	4.15	3.48	4.42	3.46	4.82	3.72	5.00	3.71	5.12	3.68	5.43	3.86	5.66	3.78
	36	4.08	3.45	4.35	3.43	4.76	3.69	4.94	3.69	5.06	3.66	5.37	3.84	5.61	3.76
	38	3.94	3.38	4.21	3.36	4.63	3.64	4.82	3.64	4.94	3.61	5.27	3.81	5.50	3.73
	39	3.87	3.35	4.14	3.33	4.57	3.61	4.76	3.62	4.88	3.59	5.21	3.79	5.45	3.71

	Heating mode (HC) (kW									
Air flow	Outdoor air temperature	Indoor air temperature								
	°CWB	16°CDB	18°CDB	20°CDB	22°CDB	24°CDB				
	-15	3.57	3.49	3.41	3.34	3.26				
	-10	4.04	3.97	3.91	3.81	3.73				
	-5	4.37	4.31	4.22	4.18	4.11				
Hi	0	4.59	4.52	4.44	4.39	4.32				
13.9	5	5.84	5.77	5.74	5.63	5.55				
(m³/min)	6	5.94	5.87	5.80	5.73	5.66				
	10	6.31	6.25	6.21	6.12	6.06				
	15	6.86	6.80	6.76	6.68	6.62				
	20	7.38	7.32	7.28	7.20	7.14				

Notes(1) These data show average statuses.

Depending on the system control, there may be ranges where the operation

is not conducted continuously.

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

These data show the case where ..., fixed.

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

(3) Symbols are as follows.

TC: Total cooling capacity (kW)

SHC: Sensible heat capacity (kW)

HC: Heating capacity (kW)

8. APPLICATION DATA

(1) Installation of indoor unit

RLF012A111

Model SRK15,20,25,35,50ZS-WF R32/R410A REFRIGERANT USED

- This installation manual deals with an indoor unit installation only. For an outdoor unit installation, refer to page 51.
- This unit is designed for R32 or R410A. See a label on the outdoor unit to check refrigerant information

SAFETY PRECAUTIONS

- Before installation, read the "SAFETY PRECAUTIONS" carefully and strictly follow it during the installation work in order to protect yourself.
 The precautionary items mentioned below are distinguished into two levels, (AWARNING) and (ACAUTION)
 Be sure to confirm no operation problem on the equipment after completing the installation. If unusual noise can be heard during the test run, consult the dealer.
 Be sure to explain the operating methods as well as the maintenance methods of this equipment to the
- The precouportary familiar intermotes between the uniqueness and we levels, (a) transfuring large according to the user's manual.

 A CAUTION indicates a potentially hazardous situation which, if not avoided, can result in serious consequences such as death or severe injury.

 A CAUTION indicates a potentially hazardous situation which, if not avoided, can result in personal injury or property dramage.

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

↑ WARNING

 Be sure to use only for residential purpose.
 If this unit is installed in inferior environment such as machine shop, vehicle (like ship), warehouse etc., it can malfunction

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 leaked gases accumulate around the unit, it can cause fire resulting in properly 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.

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 rotating equipment, hot surfaces or high voltage parts can cause personal injury due to entrapment, burn or electric shock.

trapment, burn of electric shock.

This unit is designed specifically for R32 or R410A.
Using any other refrigerant can cause unit failure and personal injury.

Do not vent R32 or R410A into atmosphere.
R32 is a fluorinated greenhouse gas with a Global Warming Potential (GWP) = 675.
R410A is a fluorinated greenhouse gas with a Global Warming Potential (GWP) = 2088.

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

If air enters the refrigerant circuit, the pressure in the refrigerant circuit will become too high, which can cause burst and personal injury.

can cause burst and personal injury.

Be sure to use the prescribed pipes, flare nuts and tools for R32 or R410A.

Using existing parts (for R22 or R407C) can cause refrigerant circuit burst resulting in unit failure and

personal injury.

Be sure to connect both liquid and gas connecting pipes properly before op-.

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

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

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

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

During pump down work, be sure to stop the compressor before closing service valves and removing connecting pipes. If the connecting pipes are removed when the compressor is in operation and service valves are open, air can be sucked into the refrigerant circuit which can cause anomalous high pressure resultng in burst or personal injury

open, air can be sucked into the refingerant circuit which can cause anomalous high pressure resulting in burst or personal injury.

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

If the refingerant comes into contact with naked flames, poisonous gases will be produced.

Electrical work must be carried out by the qualified electrician, strictly in accordance with national or regional electricity regulations.

Incorrect installation can cause electric shock, fire or personal injury.

Make sure that earth leakage breaker and circuit breaker of appropriate capacities are installed.

Circuit breaker should be able to disconnect all poles under over current. Absence of appropriate breakers can cause electric shock, personal injury or property damage.

Be sure to switch off the power source in the event of installation, maintenance or service. If the power source is not switched off, there is a risk of electric shock, unit failure or personal injury.

Be sure to tighten the cables securely in terminal block and relieve the cables properly to prevent overloading the terminal block and relieve the cables properly to prevent overloading the terminal blocks.

Lose connections or cable mountings can cause anomalous heat production or fire.

Do not process, splice or modify the power cable, or share the socket with other power plugs.

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

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

Changing protective device specifications can cause electric shock, fire or burst.

Be sure to clamp the cables properly so that they do not touch any internal component of the unit.

If cables touch any internal component, it can cause overheating and fire.

component or 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 3 mm. Improper electrical work can cause unit failure or personal injury.

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.

Do not turn ON the wireless LAN communication near automatic control equipment such as an automatic door or fire-alarm device. It may cause an accident due to malfunction of equipment.

Do not turn ON the wireless LAN communication in a hospital, etc. where the use of wireless devices is prohibited.

It may cause malfunction of medical equipment due to a wireless device.

Do not turn ON the wireless LAN communication near a person with a cardiac pacemaker or implanted defibrillator.

↑ CAUTION

Take care when carrying the unit by hand.

If the unit weight is more than 20 kg, it must be carried by two or more persons.

Do not carry the unit by the plastic straps. Always use the carry handle.

Do not install the outdoor unit in a location where insects and small animals can inhabit.

Insects and small animals can enter the electrical parts and cause damage resulting in fire or personal injury. Instruct the user to keep the surroundings clean.

If the outdoor unit is installed at height, make sure that there is enough space for installation, maintenance and service.

Insufficient space can result in personal injury due to falling from the height.

Do not install the unit near the location where neighbours are bothered by noise or air generating from the unit.

Loan affect surrounding environment and cause a claim.

Do not install in the locations where unit is directly exposed to corrosive gases (like sulphide gas, chloride gas), sea breeze or salty atmosphere. It can cause corrosin of heat exchanger and damage to plastic parts.

Do not install the unit close to the equipment that generates electromagnetic waves and/or high-harmonic waves.

Equipment such as inverters, standby generators, medical high frequency equipment and telecommunication equipment can affect medical equipment and elecommunication equipment, and obstruct its function or cause imming.

function or cause jamming.

Do not turn ON the wireless LAN communication near another wireless de-

vice, microwave, cordless phone, fax machine, etc. It may cause malfunction of wirel

- Do not install the unit in the locations where:

There are heat sources nearby.

Unit is directly exposed to rain or sunlight.

There is any obstacle which can prevent smooth air circulation from inlet and outlet side of the unit.

Unit is directly exposed to oil mist and steam such as kitchen.

Chemical substances like ammonia (organic fertilizer), calcium chloride (snow melting agent) and 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.

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

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

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 suffication.

Do not put anything on the outdoor unit.

Object may fall causing properly damage or personal injury.

Do not touch the aluminum fin of the outdoor unit.

Aluminium fin temperature is high during heating operation. Touching fin can cause burn.

Do not touch any refrigerant pipe with your hands when the system is in operation.

Do not touch any refrigerant pipe become extremely hot or extremely cold depending on the operating condition. Touching pipes can cause personal injury like burn (hot/cold).

Install isolator or disconnect switch on the power source wiring in accordance with the local codes and regulations.

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

1. ACCESSORIES AND TOOLS Standard accessories (supplied with indoor unit) (6) Batteries [R03 (AAA, Micro) 1.5 V] 1) Installation board 1 pc. # 1 pc. (2) Remote control (7) Air-cleaning filters 2 pcs (8) Filter holders 2 pcs (3) Remote control holder (4) Tapping screws (for installation board ϕ 4 X 25mm) (9) Insulation (#486 50 X 100 t3) 1 pc. (O) 5 pcs (5) Wood screws (for remote control holder φ3.5 X 16mm) 2 pcs

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

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

2. SELECTING INSTALLATION LOCATION

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

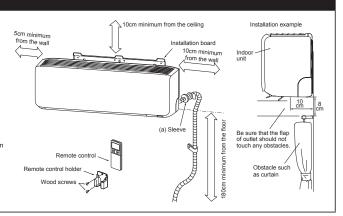
1. Indoor unit

- Where there is no obstruction to the 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 space mentioned on the right side
- can be secured.)

 Where it is easy to conduct wiring and piping work.
- A place where unit is not directly exposed to sunlight or street light.
 A place where it can be easily drained.
- A place separated at least 1 m away from the television or the radio. (To prevent interference to images and sounds.)
- A place where this unit is not affected by the high frequency equipment or electric equipment
- Avoid installing this unit in place where there is much oil mist.
 A place where there is no electric equipment or household.
 Install the indoor unit on the wall where the height from the floor to the bottom of the unit is more than
- A place where the radio waves can reach when using the wireless LAN communication.

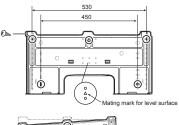
- A place where the air-conditioner can receive the signal surely during operating the remote control.
 A place where it is not affected by the TV, radio etc.
 Do not place where it is exposed to direct sunlight or near heat devices such as a stove.



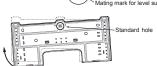
3. INSTALLING INSTALLATION BOARD Installation board should be installed on the wall which can support the weight of the indoor unit. Adjustment of the installation board in the horizontal direction is to be conducted with five screws in a

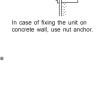
temporary tightened state.

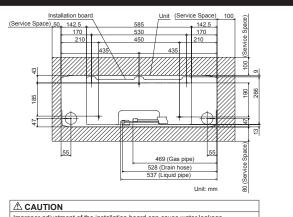
With the standard hole as a center, adjust the board and level it.











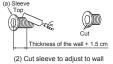
Improper adjustment of the installation board can cause water leakage

4. DRILLING HOLE AND FIXTURE OF SLEEVE

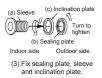
When drilling the wall that contains a metal lath, wire lath or metal plate, be sure to use sealing plate, sleeve and inclination plate (Locally procured parts).



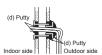
(1) Drill a hole with hole



thickness. In case of rear piping draw out, cut off the lower and the right side portions of the sleeve collar







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

⚠ WARNING

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

⚠ CAUTION

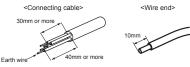
Completely seal the hole in the wall with putty. If not sealed properly, furniture and other fixtures may be damaged by water leakage or condensation.

5. ELECTRICAL WIRING WORK

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

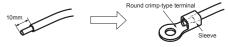
1. Preparing cable

- (1) Selecting cable
 Select the connecting cable in accordance with the specifications mentioned below.
 4 cores* 1.5mm² conformed with 60245 IEC57
 * 1 Earth wire is included (Yellow/Green).
- (2) Arrange each wire length as shown below. Make sure that each wire is stripped 10mm from the end.



(3) Attach round crimp-type terminal to each wire as shown in the below.

Select the size of round crimp-type terminal after considering the specifications of terminal block and wire diameter

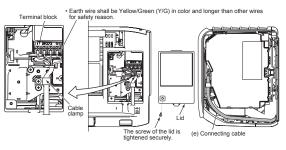


2. Connecting cable

- (1) Open the air inlet panel.
 (2) Remove the lid.
 (3) Remove the cable clamp.
 (4) Connect the connecting wires to the terminal block.
 (5) Fix the connecting cable by cable clamp.
 (6) Fix the lid.
 (7) Close the air inlet panel.

NOTE

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



⚠ WARNING

Incorrect wiring connection can cause malfunction or fire

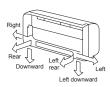
6. FORMING PIPING AND DRAIN HOSE

1. Forming piping

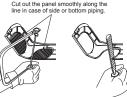
Piping is possible in the right, rear, downward, left, left rear or left downward direction

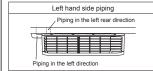
NOTE

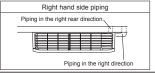
Sufficient care must be taken not to damage the panels when connecting pipes











Forming of piping.

Hold the bottom of the piping and fix direction before stretching it and shaping it.



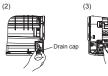
- Taping of the exterior
 Tape only the portion that goes through the wall.
 Always tape the wiring with the piping.



2. Drain change procedures

- (1) Remove the screw and drain hose.
 (2) Remove the drain cap by hand or pliers.
 (3) Insert the drain cap which was removed at procedure (2) securely using a hexagonal wrench etc.
 (4) Install the drain hose and screw securely.









⚠ CAUTION

Incorrect installation of drain hose and cap can cause water leakage

7. DRAINAGE WORK

- Arrange the drain hose in a downward angle.
 Avoid the following drain piping.
- Higher than specified





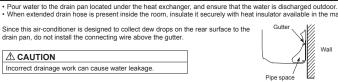






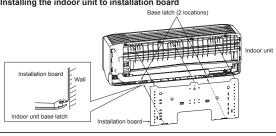
Since this air-conditioner is designed to collect dew drops on the rear surface to the drain pan, do not install the connecting wire above the gutter.

⚠ CAUTION Incorrect drainage work can cause water leakage.



8. INSTALLING INDOOR UNIT

Installing the indoor unit to installation board



(1) Pass the pipe through the hole in the wall, and hook the upper part of the indoor unit to the installation

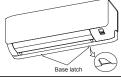


(2) Gently push the lower part to fix the indoor unit base lower latch to installation board



Removing the indoor unit from installation board

- (1) Push up at the marked portion of the indoor unit base latch, and slightly pull it toward you (both right and left hand sides). (The indoor unit base latch can be removed from the installation
- (2) Push up the indoor unit upward so that it can be removed from installation board.



9. CONNECTING PIPING WORK

1. Preparation of connecting pipe

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

	Model SRK15/20/25/35	Model SRK50	
Gas pipe	φ9.52	φ12.7	
Liquid pipe	φ6.35	φ6.35	

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

1.2 Cutting connecting pipe

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

2. Piping work

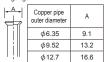
- 2.1 Flaring pipe

 (1) Take out flare nuts from the operation valves of indoor unit and engage them onto connecting pipes.

 (2) Flare the pipes according to table and figure shown below.

 Flare dimensions for R32 are different from those for conventional refrigerant.

 Although it is recommended to use the flaring tools designed specifically for R32 or R410A, conventional flaring tools can also be used by adjusting the dimension B with a flare adjustment gauge.





	Copper pipe	B [Rigid (clutch) type]					
	outer diameter	R32 or R410A	Conventional				
	φ6.35						
1	φ9.52	0-0.5	1.0-1.5				
	φ12.7						

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

Operation valve size (mm) Tightening torque (N·m) 14-18 φ6.35 (1/4") φ9.52 (3/8") 34-42 φ12.7 (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.

3. Heating and condensation prevention

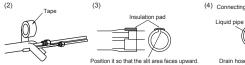
- (1) Dress the connecting pipe (both liquid and gas pipes) with insulation to prevent it from heating and dew condensation.

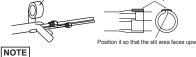
 Use the heat insulating material which can withstand 120 °C or higher temperature. Make sure that insulation is wrapped tightly around the pipes and no gap is left between them.

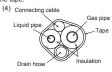
 2) Wrap the refrigerant pipings of indoor unit with indoor unit heat insulation using tape.

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

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







O/O

Pipe assembly

-(h)Scre

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

⚠ CAUTION

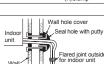
- Improper insulation can cause condensate(water) formation during cooling operation.
 Condensate can leak or drip causing damage to household property.
 Poor heat insulating capacity can cause pipe outer surface to reach high temperature during heating operation. It can cause cable deterioration and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

4. Finishing work

- (1) Make sure that the exterior portion of connecting pipes, connecting cable and drain hose is wrapped properly with tape. Shape the connecting pipes to match with the contours of the pipe assembly route.

 (2) Fix the pipe assembly with the wall using clamps and screws. Pipe assembly should be anchored every 1.5 m or less to isolate the vibration.

 (3) Install the service cover securely. Water may enter the unit if service cover is not installed properly, resulting in unit malfunction and failure.



⚠ WARNING (only for R32)

- To avoid the risk of fire or explosion, the flared connection must/shall be installed outdoors.
- Reusable mechanical connectors and flared joints are not allowed indoors.

↑ CAUTION

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

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

1. Open

Pull the air inlet panel at both ends of lower part and release latches, then pull up the panel until you feel resistance.
(The panel stops at approx. 70° open position)

2. Close

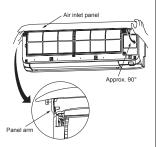
Hold the panel at both ends of lower part, lower it downward slowly, then push it slightly until the latch works.

3. Removing

Open the panel by 90° (as shown in the right illustration) and then pull it forward.

4. Installing

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



11. HOW TO REMOVE AND INSTALL THE BOTTOM AND FRONT PANEL

1. Bottom panel

- 1.1 Removing
 (1) Remove the 2 screws (in the cap).
 (2) Remove the 2 hooks of left and right side and then bottom panel can be removed.

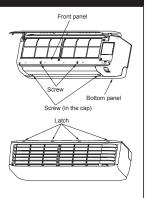
- 1.2 Installing
 (1) Install the 2 hooks of left and right side.
- (2) Secure the bottom panel with the 2 screws (in the cap)

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

- 2.2 Installing
 (1) Cover the unit with the front panel and fix 4 upper latches.

 (2) Secure the front panel with the 2 screws.
- (3) Install the bottom panel, the air inlet panel and





12. INSTALLING REMOTE CONTROL

Mount the batteries

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

NOTE

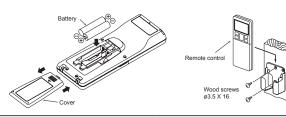
- Do not use new and old batteries together.
 In case the unit is not operated for a long time, take out the batteries

Installing remote control holder

- (1) Select the place where the unit can receive signals.

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

Do not mix old and new batteries, or batteries of different types (manganese/alkaline).



14. INSTALLING TWO AIR-CONDITIONERS IN THE SAME ROOM

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

Setting one remote control

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



Setting one indoor unit

- (1) Turn off the power source and turn it on after
- (1) rum on the power source and rum it on after 1 minutes.

 (2) Send the signal by pressing the ACL switch on the remote control that was set according to the procedure described on the left side.

 (3) Check that the reception buzzer sound
- "Peep" is emitted from the indoor unit. Since the signal is sent about 6 seconds after the ACL switch is pressed, point the remote control to the indoor unit for a while.

NOTE

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



13. TERMINAL CONNECTION FOR AN INTERFACE

This unit is standardly equipped with a wireless LAN adapter.
To install wired remote control, Superlink etc., interface kit is needed.
When using the interface kit, the wireless LAN function cannot be used

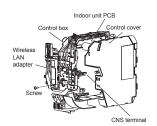
- (1) Turn off the power source.
 (2) Remove the air inlet panel, bottom panel and front panel.
 (3) Remove the control cover. (Remove the screw.)
 (4) There is a terminal (respectively marked with CNS) on the indoor unit PCB. Disconnect the harness from the CNS terminal.
 Remove the wireless LAN adapter from the control box, and null out the wireless LAN control box.

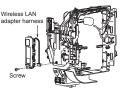
terminal.

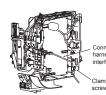
Remove the wireless LAN adapter from the control box, and pull out the wireless LAN adapter harness from the wireless LAN

adapter. After that, install the wireless LAN adapter in

Arter Inat, Install in whiteless Land adapt the control box.
While connecting an interface, connect to the CNS terminal securely with the connection harness supplied with an option "Interface connection ki SC-BIKN2-E" and fasten the connection harness onto the indoor control box with the clamp and screw supplied with the kit. For more details, refer to the user's manual of "Interface connection kit SC-BIKN2-E".







harness of Clamp and screw

15. PUMP DOWN WORK

Make sure that the disconnected connot touch the internal parts of the unit

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

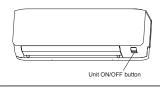
Forced cooling operation

NOTE

- (1) Turn off the power source and turn it on again after 1 minute.

 (2) Press the ON/OFF button continuously for at least 5 seconds. Then operation will start.

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



16. INSTALLATION CHECK AND TEST RUN

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

Before test run

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

Test run

Check following points during test run.	
Indoor unit receives signal of remote control.	
Air-conditioning operation is normal.	
There is no abnormal noise.	
Water drains out smoothly.	
Display of remote control is normal.	

After test run

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

NOTE

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

(2) Installation of outdoor unit

Models SRC20ZS-W

SRC25ZS-W, -W1, -W2

SRC35ZS-W, -W1, -W2

SRC50ZS-W

• This installation manual deals with an outdoor unit installation only. For an indoor unit installation, refer to page 47.

RWC012A068F ∕ि

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

SAFETY PRECAUTIONS

uon work in order to protect yourself.

• The precautionary items mentioned below are distinguished into two levels, AWARNING and AWARNING Indicates a potentially hazardous situation which, if not avoided, can result in serious consequences such as death or severe injury.

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

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

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

♠ WARNING

Be sure to use only for residential purpose.

If this unit is installed in inferior environment such as machine shop, vehicle (like ship), warehouse, etc.. it can malfunction

Installation must be carried out by the qualified installer completely in 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 per-

sonal injury.

When installing the unit in small rooms, make sure that refrigerant density does not exceed the limit (Reference: ISO5149) in the event of leakage. If refrigerant density exceeds the limit, consult the dealer and install the ventilation system. Otherwise lack of oxygen can occur resulting in serious accident. Install the unit in a location where unit will remain stable, horizontal and free of any vibration transmission.

Unsuitable installation location can cause the unit of all resulting in material damage and personal injury.

Onsolitable installation reclaims and causes the first of an examining in intalent and large and personal injury.

Do not run the unit with removed panels or protections.

Touching rotating equipments, hot surfaces or high voltage parts can cause personal injury due to entrapment, burn or electric shock.

entrapment, burn or electric shock.

This unit is designed specifically for R32.

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

Do not vent R32 into atmosphere.
R32 is a fluorinated greenhouse gas with a Global Warming Potential (GWP) = 675.

Make sure that no air enters the refrigerant circuit when the unit is installed

waske sure that no air enters the retrigerant circuit when the unit is installed and removed.

If air enters the refrigerant circuit, the pressure in the refrigerant circuit will become too high, which can cause burst and personal injury.

Be sure to use the prescribed pipes, flare nuts and tools for R32 or R410A.

Using existing parts (for R22 or R407C) can cause refrigerant circuit burst resulting in unit failure and personal injury.

Be sure to connect both liquid and gas connecting pipes properly before operating the compressor.

erating the compressor. Do not open the liquid and gas service valves before completing piping

work, and evacuation.

If the compressor is operated when connecting pipes are not connected and service valves are open, air can be sucked into the refrigerant circuit which can cause anomalous high pressure result-

ing in burst or personal injury.

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

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

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 directit which can cause anomalous high pressure resulting in burst or personal injury.

In the event of refrigerant leakage during installation, be sure to ventilate the

working area properly.

If the refrigerant comes into contact with naked flames, poisonous gases will be produced.

Electrical work must be carried out by the qualified electrician, strictly in accordance with national or regional electricity regulations.

Incorrect installation can cause electric shock, fire or personal injury.

Make sure that earth leakage breaker and circuit breaker of appropriate capacities are installed.

Circuit breaker should be able to disconnect all poles under over current. Absence of appropriate

breakers can cause electric shock, personal injury or property damage.

Be sure to switch off the power source in the event of installation, mainte-

Be sure to switch on the power source in the event of installation, maintenance or service.

If the power source is not switched off, there is a risk of electric shock, unit failure or personal injury.

Be sure to tighten the cables securely in terminal block and relieve the cables properly to prevent overloading the terminal blocks.

Loose connections or cable mountings can cause anomalous heat production or fire.

Do not process, splice or modify the power cable, or share the socket with

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

ficient insulation or over-current.

Do not perform any change in protective device or its setup condition yourself. Changing protective device specifications can cause electric shock, fire or burst.

Be sure to clamp the cables properly so that they do not touch any internal component of the unit.

If cables touch any internal component, it can cause overheating and fire.

Be sure to install service cover properly.

Improper installation can cause electric shock or fire due to intrusion of dust or water.

Be sure to use the prescribed power and connecting cables for electrical work.

Be sure to use the prescribed power and connecting cables for electrical work. Using improper cables can cause electric leak or fire. This appliance must be connected to main power source by means of a cir-cuit breaker or switch with a contact separation of at least 3 mm.

Improper electrical work can cause unit failure or personal injury.

Be sure to connect the power source cable with power source properly.

Improper connection can cause intrusion of dust or water resulting in electric shock or fire.

⚠ CAUTION

Take care when carrying the unit by hand.

If the unit weight is more than 20 kg, 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 carry the unit by the plastic straps. Always use the carry handle.

Do not install the outdoor unit in a location where insects and small animals can inhabit.

Insects and small animals can enter the electrical parts and cause damage resulting in fire or personal injury. Instruct the user to keep the surroundings clean.

If the outdoor unit is installed at height, make sure that there is enough space for installation, maintenance and service.

Insufficient space can result in personal injury due to falling from the height.

Do not install the unit near the location where neighbours are bothered by noise or air generating from the unit.

It can affect surrounding environment and cause a claim.

It can affect surrounding environment and cause a claim.

Insufficient space can result in personal injury due to falling from the height.

Dispose of all packing materials properly.

Packing materials contain nails and wood which can cause personal injury.

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

noise or air generating from the unit.
It can affect surrounding environment and cause a claim.
Do not install in the locations where unit is directly exposed to corrosive gases (like sulphide gas, chloride gas), sea breeze or salty atmosphere.
It can cause corrosion of heat exchanger and damage to plastic parts.

Do not install the unit close to the equipments that generate electromagnetic waves and/or high-harmonic waves.

Equipment such as inverters, standby generators, medical high frequency equipments and telecommunication equipments can affect the system, and cause malfunctions and breakdowns.

The system can also affect medical equipment and telecommunication equipment, and obstruct its

function or cause jamming.

- Do not install the unit in the locations where:

 - There are heat sources nearby.
 Unit is directly exposed to rain or sunlight.

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

Do not put anything on the outdoor unit.

Object may fall causing property damage or personal injury.

Do not touch the aluminum fin of the outdoor unit.

Do not touch the aluminum fin of the outdoor unit.

Aluminium fin temperature is high during heating operation. Touching fin can cause burn.

Do not touch any refrigerant pipe with your hands when the system is in operation.

During operation the refrigerant pipes become extremely hot or extremely cold depending on the operating condition. Touching pipes can cause personal injury like burn (hot/cold).

Install isolator or disconnect switch on the power source wiring in accordance with the local codes and regulations.

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

1. ACCESSORIES AND TOOLS

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

2. OUTDOOR UNIT INSTALLATION

- Note as a unit designed for R32

 Do not use any refrigerant other than R32. R32 will rise to pressure about 1.6 times higher than that of a conventional refrigerant. A cylinder containing R32 has a light blue indication mark on the top.
- · Do not use a charge cylinder. The use of a charge cylinder will cause the refrigerant composition to change, which results in performance degradation.

 In charging refrigerant, always take it out from a cylinder in the liquid phase.

 All indoor units must be models designed exclusively for R32. Check connectable indoor unit models in
- a catalog, etc. (A wrong indoor unit, if connected into the system, will impair proper system operation)

1. Haulage

- Always carry or move the unit with two or more persons
- . The right hand side of the unit as viewed from the front (outlet side) is

A person carrying the right hand side must take care of this fact. A person carrying the left hand side must hold the handle provided on the front panel of the unit with his right hand and the corner column section of the unit with his left hand.



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

2. Selecting the installation location

- Select the suitable installation location where:

 Unit will be stable, horizontal and free of any vibration transmission.
- There is no obstacle which can prevent smooth air circulation from inlet and outlet side of the unit.
 There is enough space for service and maintenance of unit.
 Neighbours are not bothered by noise or air generating from the unit.

- Outlet air of the unit does not blow directly to animals or plants.

- Drain water can be discharged properly.
 There is no risk of flammable gas leakage.
 There are no other heat sources nearby.
- · Unit is not directly exposed to rain or sunlight.
- Unit is not directly exposed to oil mist and steam.
 Chemical substances like ammonia (organic fertilizer), calcium chloride (snow melting agent) and acid (sulfurous acid etc.), which can harm the unit, will not generate or accumulate
- Unit is not directly exposed to corrosive gases (like sulphide gas, chloride gas), sea breeze or salty atmosphere.

 No TV set or radio receiver is placed within 1 m.
- Unit is not affected by electromagnetic waves and/or high-harmonic waves generated by other equipments.

 Strong wind does not blow against the unit outlet.

 Heavy snowfalls do not occur (If installed, provide proper protection to avoid snow accumulation).

NOTE

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

(1) Location of strong wind

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

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

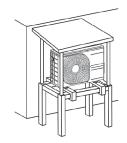




(2) Location of snow accumulation

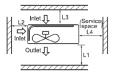
- · Install the unit on the base so that the bottom is higher than snow cover surface.

 Install the unit under eaves or provide the roof on



3. Installation space

There must be 1m 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



	Installation space (mm)
L1	280 or more
L2	100 or more
L3	80 or more
L4	250 or more

NOTE

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

⚠ CAUTION

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

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

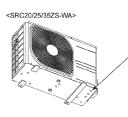
- - <SRC20/25/35/50ZS-W>



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

△ CAUTION

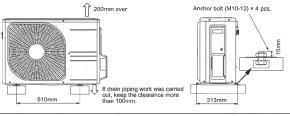
Do not use drain elbow and drain grommet if there is a possibility to have several consecutive days of sub zero temperature. (There is a risk of drain water freezing inside and blocking the drain.)



Do not block the drain holes when installing the

5. Installation

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



A 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 2. Removing terminal cover Remove the screw. Slide service cover downwards and remove it. Remove the screw and take out terminal cover (For SRC50, terminal cover is attached to service cover <SRC20/25/35> <SRC50> Therefore, there is no need to remove terminal cover separately.) Screw

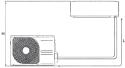
4. CONNECTING PIPING WORK

1. Restrictions on unit installation

Abide by the following restrictions on unit installation.

Improper installation can cause compressor failure or performance degradation

	Dimensional restrictions				
	Model SRC20/25/35	Model SRC50			
Connecting pipe length(L)	20 m or less	25 m or less			
Elevation difference between indoor and outdoor units(H)*	10 m or less	15 m or less			



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

2. Preparation of connecting pipe

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

ſ		Model SRC20/25/35	Model SRC50
	Gas pipe	φ9.52	φ12.7
	Liquid pipe	ϕ 6.35	ϕ 6.35
-	D: 0.0111		11.00

Pipe wall thickness must be greater than or equal to 0.8 mm.
 Pipe material must be 0-type (Phosphorus deoxidized seamless copper pipe ICS 23.040.15, ICS 77.150.30).

NOTE

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

2.2 Cutting connecting pipe

(1) Cut the connecting pipe to the required length with pipe cutter

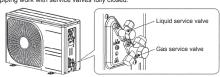
(2) Hold the pipe downward and remove the burrs. Make sure that no foreign material enters the pipe

(3) Cover the connecting pipe ends with the tape.

3. Piping work

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

Carry out the piping work with service valves fully clos



3.1 Flaring pipe

3.1 Haring pipe
(1) 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 dimension B with a flare adjustment gauge.



Copper pipe outer diameter	A	_
φ6.35	9.1	
φ9.52	13.2	2
φ12.7	16.6	

Copper pipe	B [Rigid (clutch) type]	
outer diameter	R32 or R410A	Conventional
φ6.35		
φ9.52	0-0.5	1.0-1.5
φ12.7		

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

(2) Tighten nuts to specified torque shown in the table below

Service valve size (mm)	Tightening torque (N·m)	
φ6.35 (1/4")	14-18	
φ9.52 (3/8")	34-42	
φ12.7 (1/2")	49-61	



△ CAUTION

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

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

of outdoor unit.

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

(3) Confirm that the vacuum gauge indicator does not rise even if the system is left for 15 minutes or more. Vacuum gauge indicator will rise if the system has moisture left inside or has a leakage point. Check the system for the leakage point if leakage point is found, repair it and return to (1) again.

(4) Close the Handle Lo and stop the vacuum pump.

Keep this state for a few minutes to make sure that the compound pressure gauge pointer does not swing back.

(5) Remove valve caps from liquid service valve and gas service valve.

swing back. (6) Remove valve caps from liquid service valve and gas service valve. (6) Turn the liquid service valve's rod 90 degree counterclockwise with a hexagonal wrench key to open

valve.

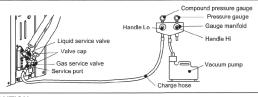
Close it after 5 seconds, and check for gas leakage.
Using soapy water, check for gas leakage from indoor unit's flare and outdoor unit's flare and valve rods.

Wipe off all the water after completing the check.

(7) Disconnect charging hose from gas service valve's service port and fully open liquid and gas service valves. (Do not attempt to turn valve rod beyond its stop.)

(8) Tighten operation 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)
φ6.35 (1/4")	20-30	
φ9.52 (3/8")		10-12
φ12.7 (1/2")	25-35	



⚠ CAUTION

4. Evacuation

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 15 m or shorter, charge the
- factory charged amount as shown in the table below.

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

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

5.2 Charging refrigerant

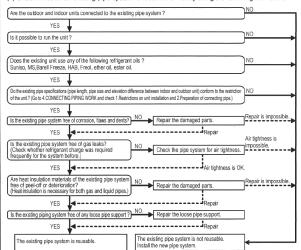
- 6.2 Charging retrigerant (1) Charge the R32 refrigerant in liquid phase from service port with both liquid and gas service valves shut. Since R32 refrigerant must be charged in the liquid phase, make sure that refrigerant is discharged from the cylinder in the liquid phase all the time.
 (2) When it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

⚠ CAUTION

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

5. UTILIZATION OF EXISTING PIPE

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



- Consult with our distributor in the area, if you need to recover refrigerant and charge it again.
 Column the existing pipe system according to the procedure given below.

 Column to troced cooling operation of existing unit for 30 minutes.

 For Forced cooling operation refer to the indoor unit installation manual.

- (b) Stop the indoor fan and carry out forced cooling operation for 3 minutes (Liquid return).
 (c) Close the liquid service valve of the outdoor unit and carry out pump down operation (Refer to 6.
- PUMP DOWN).
- (d) Blow with nitrogen gas. If discolored refrigeration oil or any foreign matter is discharged by the
- blow, wash the pipe system or install a new pipe system.

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

⚠ CAUTION

only)

- Do not use the old flare nuts (of existing unit). Make sure that the flare nuts supplied with the (new)
- outdoor unit are used.

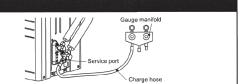
 If the flared / compression connection to the indoor unit is located inside the house / room then this pipework can't be reused
- If the existing piping is specified as liquid pipe ø9.52 or gas pipe ø12.7, refer to the following. (SRC5)
- <Table of pipe size restrictions

Additional charge amount per meter of pipe		0.054 kg/m
Discosino	Liquid pipe	ø9.52
Pipe size	Gas pipe	ø12.7
Maximum one-way pipe length Length covered without additional charge		10
		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)

6. PUMP DOWN

- (1) Connect charge hose of gauge manifold to service port of outdoor unit.
 (2) Close the liquid service valve with hexagonal wrench key.
 (3) Fully open the gas service valve with hexagonal wrench key.
 (4) Carry out forced cooling operation (For forced cooling operation procedure, refer to indoor unit installation manual).
- (5) When the low pressure gauge becomes 0.01 MPa, close the gas service valve and stop forced cooling operation.



7. ELECTRICAL WIRING WORK

- Make sure that all the electrical work is carried out in accordance with the national or regional electrical standards.
- Make sure that the earth leakage breaker and circuit breaker of appropriate capacities are installed
- Nation Substitute that the adaptive and of the control of the table given below).

 Do not turn on the power until the electrical work is completed.

 Do not turn on the power until the electrical work is completed.

 Do not use a condensive capacitior for power factor improvement under any circumstances (It does not improve power factor. Moreover, it can cause an abnormal overheat accident).

Model	Phase	Earth leakage breaker	Circuit breaker
SRC20/25/35	0'	Leakage current: 30 mA,	Over current: 16 A
SRC50	Single phase	0.1sec or less	Over current: 20 A

Main fuse specification

Main tuse specification				
Model	Specification	Parts No.	Code on LABEL,WIRING	
SRC20/25/35	250 V 15 A	SSA564A136	F7	
SRC50	250 V 20 A	SSA564A136A	F4	

1. Preparing cable

(1) Selecting cable

Select the power source cable and connecting cable in accordance with the specifications mentioned below

Select the power source cable and connecting cable in accordance with the specifications mentioned be (a) Power source cable

3 cores* 2.5mm² or more, conformed with 60245 IEC57
When selecting the power source cable length, make sure that voltage drop is less than 2 %.
If the wire length gets longer, increase the wire diameter.
(b) Connecting cable

4 cores* 1.5mm², conformed with 60245 IEC57

1 Earth wire is included (Yellow/Green).
(2) Arrange each wire length as shown below.
Make sure that each wire is stripped 10mm from the end.



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



△ CAUTION

Power source cable and connecting cable must conform to the specifications mentioned in the manual. Using cables with wrong specifications may result in unit malfunction.

2. Connecting cable

- (1) Remove the service cover.

 (2) Connect the cables according to the instructions and figures given below.

 (a) Connect the earth wire of power source cable.

 An earth wire must be connected before connecting the other wires of power source cable.

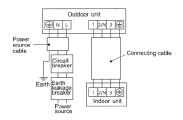
 Keep the earth wire longer than the remaining two wires of power source cable.

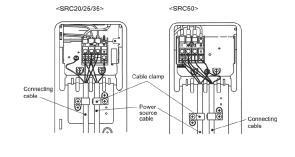
 (b) Connect the remaining two wires (N and L) of power source cable.

 (c) Connect the wires of connecting cable. Make sure that for each wire, outdoor and indoor side terminal numbers match
- (3) Fasten the cables properly with cable clamps so that no external force may work on terminal connec

wors. Moreover, make sure that cables do not touch the piping, etc. When cables are connected, make sure that all electrical components within the electrical component box are free of loose connector coupling or terminal connection.

<Circuit diagram>





8. FINISHING WORK

1. Heating and condensation prevention

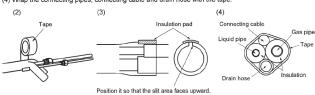
- 1. Heating and condensation prevention
 1. The prevention of the connecting pipes (both liquid and gas pipes) with insulation to prevent it from heating and dew condensation.

 Use the heat insulating material which can withstand 120 °C or higher temperature. Make sure that insulation is wrapped tightly around the pipes and no gap is left between them.

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

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

 (4) Wrap the connecting pipes, connecting cable and drain hose of the connecting pipes in the connecting pipes.



NOTE

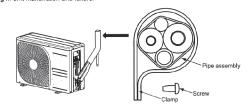
Locations where relative humidity exceeds 70 %, both liquid and gas pipes need to be dressed with 20 mm or thicker heat insulation materials.

⚠ CAUTION

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

2. Finishing work

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



⚠ CAUTION

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

9. INSTALLATION TEST CHECK POINTS

After finishing the installation work, check the following points again before turning on the power 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) Models SRC20ZS-W

SRC25ZS-W, -W1

SRC35ZS-W, -W1

SRC50ZS-W

RSA012A090



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.

- 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, MWARNING and CAUTION

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

⚠ 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 operating electric heater).
- Do not pierce or burn
- Be aware that refrigerants may not contain an odour.

⚠ CAUTION

(1. General)

- That the installation of pipe-work shall be kept to a
- 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.

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
- 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.

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

⚠ CAUTION

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
- 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).
 i) Do not exceed the maximum working pressure of
- the cylinder, even temporarily. 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.

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
- 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
- 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.

Selection of installation location for the indoor unit

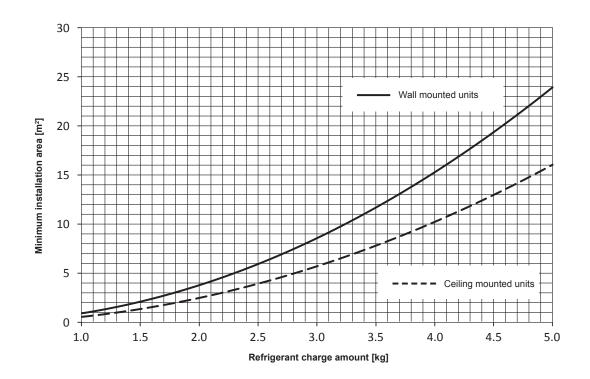
• Minimum installation area for indoor unit

⚠ CAUTION

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	Minimum installation area [m²]		
amount [kg]	Wall mounted units	Ceiling mounted units	
1.0	1.0	0.6	
1.1	1.2	0.8	
1.2	1.4	0.9	
1.3	1.6	1.1	
1.4	1.9	1.3	
1.5	2.1	1.4	
1.6	2.4	1.6	
1.7	2.8	1.8	
1.8	3.1	2.1	
1.9	3.4	2.3	
2.0	3.8	2.6	
2.1	4.2	2.8	
2.2	4.6	3.1	
2.3	5.0	3.4	
2.4	5.5	3.7	
2.5	6.0	4.0	
2.6	6.4	4.3	
2.7	7.0	4.7	
2.8	7.5	5.0	
2.9	8.0	5.4	
3.0	8.6	5.7	

Refrigerant charge	Minimum installation area [m²]		
amount [kg]	Wall mounted units	Ceiling mounted units	
3.1	9.2	6.1	
3.2	9.8	6.5	
3.3	10.4	7.0	
3.4	11.0	7.4	
3.5	11.7	7.8	
3.6	12.4	8.3	
3.7	13.1	8.7	
3.8	13.8	9.2	
3.9	14.5	9.7	
4.0	15.3	10.2	
4.1	16.0	10.7	
4.2	16.8	11.3	
4.3	17.6	11.8	
4.4	18.5	12.4	
4.5	19.3	12.9	
4.6	20.2	13.5	
4.7	21.1	14.1	
4.8	22.0	14.7	
4.9	22.9	15.3	
5.0	23.8	16.0	

(b) Models SRC25ZS-W2 SRC35ZS-W2

RSA012A090A



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.

- 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 CAUTION

⚠ 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 operating electric heater).
- Do not pierce or burn
- Be aware that refrigerants may not contain an odour

⚠ CAUTION

1. General

- That the installation of pipe-work shall be kept to a minimum
- That pipe-work shall be protected from physical
- 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
- 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.

Qualification of workers

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

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

- 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 ${\rm CO_2}$ 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
- 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.

⚠ CAUTION

- 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

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

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.

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
- 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
- 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 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

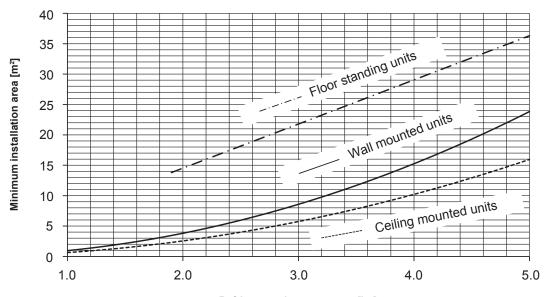
• Minimum installation area for indoor unit

⚠ CAUTION

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.

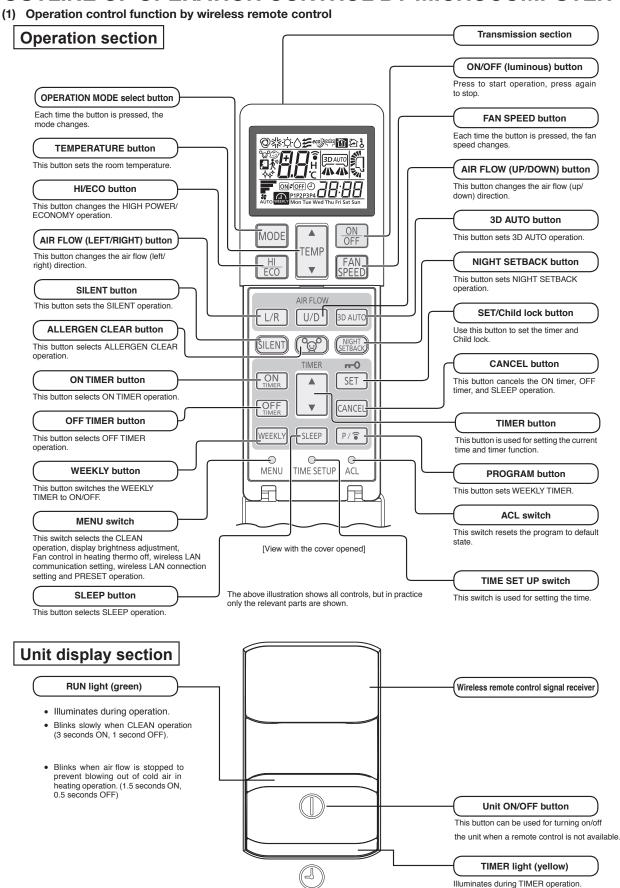


Refrigerant charge amount [kg]

Definered shares	Minimum installation area [m²]		
Refrigerant charge amount [kg]	Wall mounted units	Ceiling mounted units	Floor standing units
1.0	1.0	0.6	
1.1	1.2	0.8	
1.2	1.4	0.9	
1.3	1.6	1.1	
1.4	1.9	1.3	No requirements
1.5	2.1	1.4	
1.6	2.4	1.6	
1.7	2.8	1.8	
1.8	3.1	2.1	
1.9	3.4	2.3	13.8
2.0	3.8	2.6	14.5
2.1	4.2	2.8	15.3
2.2	4.6	3.1	16.0
2.3	5.0	3.4	16.7
2.4	5.5	3.7	17.4
2.5	6.0	4.0	18.2
2.6	6.4	4.3	18.9
2.7	7.0	4.7	19.6
2.8	7.5	5.0	20.3
2.9	8.0	5.4	21.1
3.0	8.6	5.7	21.8

Refrigerant charge	Minimum installation area [m²]			
amount [kg]	Wall mounted units	Ceiling mounted units	Floor standing units	
3.1	9.2	6.1	22.5	
3.2	9.8	6.5	23.2	
3.3	10.4	7.0	24.0	
3.4	11.0	7.4	24.7	
3.5	11.7	7.8	25.4	
3.6	12.4	8.3	26.1	
3.7	13.1	8.7	26.9	
3.8	13.8	9.2	27.6	
3.9	14.5	9.7	28.3	
4.0	15.3	10.2	29.0	
4.1	16.0	10.7	29.8	
4.2	16.8	11.3	30.5	
4.3	17.6	11.8	31.2	
4.4	18.5	12.4	32.0	
4.5	19.3	12.9	32.7	
4.6	20.2	13.5	33.4	
4.7	21.1	14.1	34.1	
4.8	22.0	14.7	34.9	
4.9	22.9	15.3	35.6	
5.0	23.8	16.0	36.3	

9. OUTLINE OF OPERATION CONTROL BY MICROCOMPUTER



RUN and TIMER lights blink quickly during invalid operation mode.

(2) Unit ON/OFF button

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

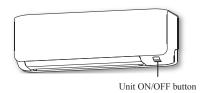
(a) Operation

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

(b) Details of operation

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

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

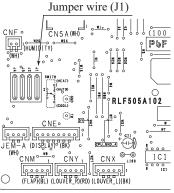


(3) Auto restart function

- (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

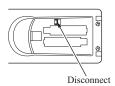
In case two air-conditioners are installed in the same room, apply this setting so that one unit can be operated with only one remote control.

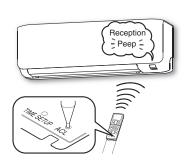
(a) Setting the wireless remote control

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

(b) Setting an indoor unit

- (i) Turn off the power source, and turn it on after 1 minute.
- (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.

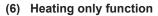
Jumper wire (J3)	Interface kit (SC-BIKN2-E) SW2-4	Function
Shorted	ON	Enabled
Shorted	OFF	Disabled
Open	ON	Disabled
Open	OFF	Disabled

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

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

(b) Content of control

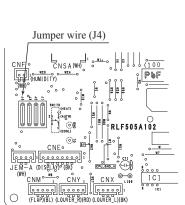
- (i) If the outdoor air temperature sensor (TH3 (SRK50 : TH2)) detects below 5°C, the indoor unit speed is switched to 7th step.
- (ii) If the outdoor air temperature sensor (TH3 (SRK50 : TH2)) detects higher than 10°C, the indoor unit speed is changed to the normal control speed.



(a) Heating only function is enabled by disconnecting the jumper wire (J4).

(b) Content of control

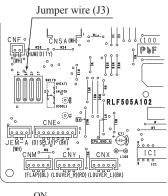
Operation mode setting	Operation mode
COOL/DRY/FAN	FAN
AUTO/HEAT	HEAT

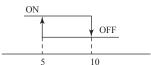


(7) High power operation

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

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





Outdoor air temperature (°C)

(8) Economy operation

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

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

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

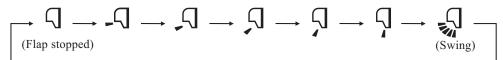
- ① at the start of operation.
- ② one hour after the start of operation.
- 3 two hours after the start of operation.

(9) Air flow direction adjustment

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

(a) Flap

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

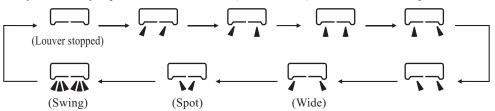


• Angle of flap from horizontal

Wireless remote control display	-9	,J	Ŋ	Ş	Ş
COOL, DRY, FAN	Approx. 25°	Approx. 30°	Approx. 40°	Approx. 50°	Approx. 60°
HEAT	Approx. 25°	Approx. 35°	Approx. 50°	Approx. 60°	Approx. 70°

(b) Louver

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



· Angle of louver

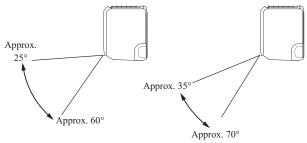
Wireless remote control display	11				
Center installation	Left approx. 50°	Left approx. 20°	Center	Right approx. 20°	Right approx. 50°
Right end installation	Left approx. 50°	Left approx. 45°	Left approx. 30°	Center	Right approx. 20°
Left end installation	Left approx. 20°	Center	Right approx. 30°	Right approx. 45°	Right approx. 50°

(c) Swing

- Swing flap (i)
 - Flap moves in upward and downward directions continuously.
- (ii) Swing louver

Louver moves in left and right directions continuously.







(d) Memory flap (Flap or louver stopped)

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

(10) 3D auto operation

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

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

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

Operation mode		Air flow selection			
Operation mode	AUTO			MED	LO
Cooling	Room temp. – Setting temp. >5°C	Room temp. – Setting temp. ≦5°C			
Cooling	HIGH POWER	AUTO	НІ	MED	LO
Heating	Setting temp. – Room temp. >5°C	Setting temp. – Room temp. ≦ 5°C	ш	MED	LO
пеанну	HIGH POWER	AUTO			

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

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

When Room temp. – Setting temp. is $\leq 5^{\circ}$ C during cooling and when setting temp. – Room temp. is $\leq 5^{\circ}$ 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		

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

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

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

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

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

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

(b) During DRY operation

Flap	Horizontal blowing (Fixed)
Louver	Wide (Fixed)

(11) Timer operation

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

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

(b) Sleep timer operation

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

(c) OFF timer operation

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

(d) Weekly timer operation

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

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

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

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

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.

	SR	K20	SRI	K25	SRI	K35	SRK50		
	Cooling Heating Cooling Heating		Heating	Cooling Heating		Cooling Heating			
Outdoor fan speed (Upper limit)	4th speed	4th speed	4th speed	4th speed	5th speed	4th speed	4th speed	4th speed	
Compressor speed (Upper limit)	30 rps	46 rps	37 rps	49 rps	46 rps	56 rps	46 rps	70rps	

(13) Night setback operation

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

(14) Air flow range setting

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

(a) Setting

- (i) If the air-conditioning unit is running, press the ON/OFF button to stop.The installation location setting cannot be made while the unit is running.
- (ii) Press the AIR FLOW U/D (UP/DOWN) button and the AIR FLOW L/R (LEFT/RIGHT) button together for 5 seconds or more.

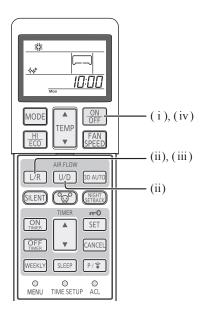
The installation location display illuminates.

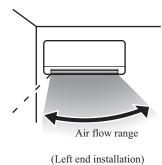
(iii) Setting the air-conditioning installation location.

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

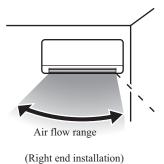
Each time the AIR FLOW L/R (LEFT/RIGHT) button is pressed, the indicator is switched in the order of:











(iv) Press the ON/OFF button.

The air-conditioner's installation location is set.

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

(15) Display brightness adjustment

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

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

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

(16) Wireless LAN connection function

(a) Operating conditions

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

(17) 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.

(18) Outline of heating operation

(a) Operation of major functional components in heating mode

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

^{*}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.

(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
Auto	20-115rps	20-115rps	20-115rps	20-110rps
Н	HI 20-115rps		20-115rps	20-110rps
MED	20-86rps	20-104rps	20-108rps	20-106rps
LO	20-70rps	20-84rps	20-96rps	20-94rps
ULO	20-44rps	20-54rps	20-60rps	20-63rps

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

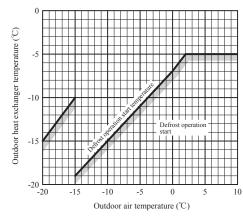
(ii) Hot keep operation

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

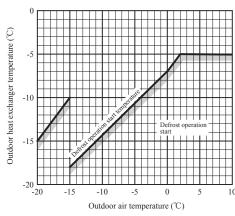
(c) Defrost operation

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

Models SRK20, 25



Models SRK35, 50

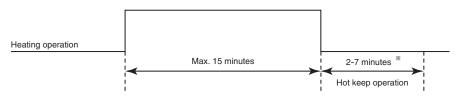


In the case, indoor air temperature is detected by sensor on the wired remote control.

5) During continuous compressor operation

In case satisfied all of following conditions.

- Connect compressor speed 0 rps 10 times or more.
- Satisfy 1), 2) and 3) conditions above.
- Outdoor air temperature is 3°C or less.
- (ii) Ending conditions (Operation returns to the heating cycle when either one of the following is satisfied.)
 - 1) Outdoor heat exchanger sensor (TH2 (SRK50: TH1)) temperature: 13°C (model SRK50: 10°C) or higher
 - 2) Continued operation time of defrost operation \rightarrow For more than 15 minutes
 - Defrost operation



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

(d) Countermeasure for excessive temperature rise

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

(i) Setting

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

(ii) Contents of control

Unit: °C

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

(iii) Reset condition

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

(19) Outline of cooling operation

(a) Operation of major functional components in cooling mode

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

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

(i) Fuzzy operation

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

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

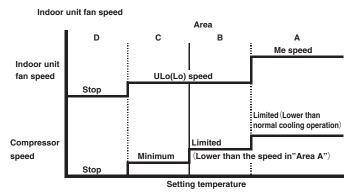
(20) Outline of dehumidifying (DRY) operation

(a) Purpose of DRY mode

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

(b) Outline of control

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



Difference between set temperature and indoor air temperature

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

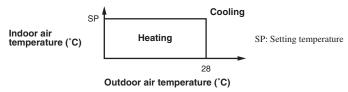
(c) Other

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

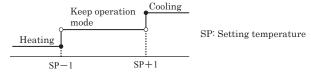
(21) Outline of automatic operation

(a) Determination of operation mode

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



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



Indoor air temperature - Setting temperature (°C)

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

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

		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	20	21	22	23	24	25	26	27	28	29	30	31	32

(e) When the unit is operated automatically with the wired remote control, the cooling operation is controlled according to the display temperatures while the setting temperature is compensated by $+2^{\circ}$ C during heating.

(22) Protective control function

Dew prevention control (During cooling)

Prevents dewing on the indoor unit.

Operating conditions

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

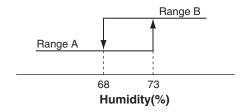
- Compressor's speed is 32 (model SRK50:28) rps or higher.
- Detected value of humidity is 68% or higher.

Contents of operation

Air capacity control

Item	Model	SRK20, 25, 35	SRK50
LO,ULO	Upper limit of compressor's speed	RangeA: 60rps, RangeB: 60rps	RangeA: 62rps, RangeB: 50ps
20,020	Indoor fan	4th speed (SRK35 : 5th speed)	4th speed
	Upper limit of compressor's speed	RangeA: 60rps, RangeB: 60rps	RangeA: 62rps, RangeB: 50rps
AUTO,HI,MED	In the or Con	Adaptable to co	empressor speed
	Indoor fan	(SRK20, 25 : Lower limit 4th speed) (SRK35 : Lower limit 5th speed)	(Lower limit 4th speed)

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



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

(iii) Reset condition

Humidity is less than 63%.

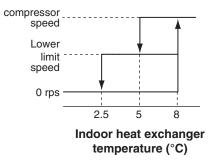
(b) Frost prevention control (During cooling or dehumidifying)

Operating conditions

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

(ii) Detail of anti-frost operation

Indoor heat exchanger temperature		2.5°C or lower
Lower limit of compressor command speed	22 rps(model SRK50 : 23 rps)	0 rps
Indoor fan	Depends on operation mode	Keep the fan speed before frost prevention control
Outdoor fan	Depends on compressor speed	Depends on stop mode
4-way valve	OFF	Depends on stop mode



Notes (1) When the indoor heat exchanger temperature is in the range of 2.5–5°C, the speed is reduced by 4 rps at each 20 seconds.

- When the importance is lower than 2.5°C, the compressor is stopped.

 When the indoor heat exchanger temperature is in the range of 5–8°C, the compressor speed is been maintained.

(iii) Reset conditions

When either of the following condition is satisfied

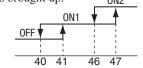
- 1) The indoor heat exchanger temperature (Th2) is 8°C or higher.
- 2) The compressor speed is 0 rps.

(c) Cooling overload protective control

(i) Operating conditions

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

Model	SRK	20-35	SRK50	
Outdoor air temperature	41°C or more	47°C or more	41°C or more	47°C or more
Lower limit speed	30 rps	45 rps	27 rps	35 rps



Outdoor air temperature (°C)

(ii) Detail of operation

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

(iii) Reset conditions

When either of the following condition is satisfied

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

(d) Cooling high pressure control

Purpose

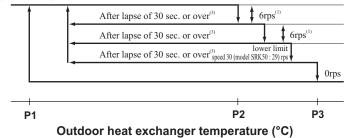
Prevents anomalous high pressure operation during cooling.

Detector (ii)

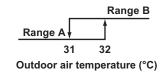
Outdoor heat exchanger sensor (TH2 (SRK50: TH1)).

Detail of operation (iii)

(Example) Compressor speed



	TH2 (SRK50 : TH1)(℃)			
		P1	P2	P3
CDM30 3E	Range A	47	50	53
SRK20, 25	Range B	53	58	63
CDIZ2E EO	Range A	48	53	55
SRK35, 50	Range B	53	58	63



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

- When the outdoor heat exchanger temperature is in the range of 12-15°, the speed is reduced by 6 ps at each 56 seconds.

 When the temperature is P3°C or higher, the compressor is stopped.

 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 30 seconds at the same speed, it returns to the normal cooling operation.

(e) Cooling low outdoor air temperature protective control

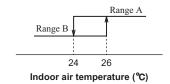
Operating conditions

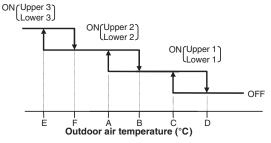
When the outdoor air temperature (TH3 (SRK50: TH2)) is 22°C or lower continues for 20 seconds while the compressor speed is other than 0 rps.

(ii) Detail of operation

- It controls the upper and lower limit values for the compressor speed according to the following table.
- It checks the outdoor air temperature (TH3 (SRK50: TH2)) once every hour to judge the operation range.

		Compressor speed: Upper/lower limit (rps)					
	Low Range B		Upper 1	Lower 2	Upper 2	Lower 3	Upper 3
SRK20, 25, 35	30	Release	60	44	50	50	50
SRK50	27	Release	60	44	50	-	_





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

Values of A, B, C, D (Model SRK50)

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

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

(iii) **Reset conditions**

When either of the following condition is satisfied

- The outdoor air temperature (TH3 (SRK50: TH2)) is D°C or higher.
- 2) The compressor speed is 0 rps.

(f) Heating high pressure control

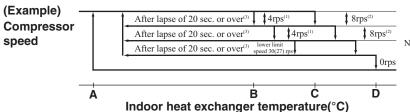
Purpose

Prevents anomalous high pressure operation during heating.

Detector

Indoor heat exchanger sensor (Th2)

Detail of operation



Note (1) Value in () are for the model SRK50.

- Notes (1) When the indoor heat exchanger temperature is in the range of B-C °C, the speed is reduced by 4 rps at each 20 seconds.

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

Temperature list Models SRK20 25 35

Unit: %					
	Α	В	С	D	
RPSmin < 50	47	52	54	58	
50 ≦ RPSmin < 92	47.5	55	57	61	
92 ≦ RPSmin ≦ 115	47.5 - 39	55 - 40	57 - 42	61	

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

Model SRK50

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

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

(g) Heating overload protective control

Outdoor unit side

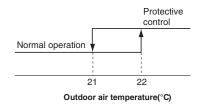
• Models SRK20, 25, 35

1) Operating conditions

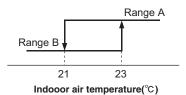
When the outdoor air temperature (TH3) is 22°C or higher continues for 30 seconds while the compressor speed other than 0 rps.

2) Detail of operation

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



Compressor speed			
Lower limit	Outdoor fan speed		
Range A Range l	Upper limit		
40 Release	60	2nd	



3) Reset conditions

The outdoor air temperature (TH3) is lower than 21°C.

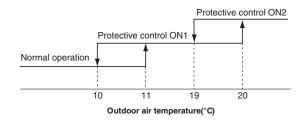
• Model SRK50

1) Operating conditions

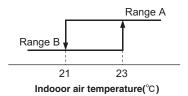
When the outdoor air temperature (TH2) is 11°C or higher continues for 30 seconds while the compressor speed other than 0 rps.

2) Detail of operation

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



	Compressor	speed : Upper/		
	Lower limit Upper limit		Outdoor fan speed	
	Range A	Range B	Оррег ини	•
ON1	27	Release	90	It depends on compressor speed
ON2	27	27	60	2nd



3) Reset conditions

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

(h) Heating low outdoor temperature protective control

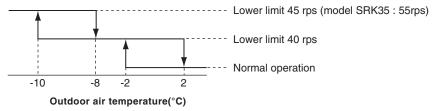
• Models SRK20, 25, 35

(i) Operating conditions

When the outdoor air temperature (TH3) is lower than -2° C or higher continues for 30 seconds while the compressor speed is other than 0 rps.

(ii) Detail of operation

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



(iii) Reset conditions

When either of the following condition is satisfied

- 1) The outdoor air temperature (TH3) becomes 2°C.
- 2) The compressor speed is 0 rps.

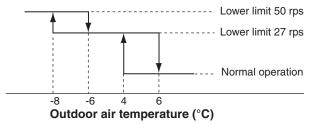
• Model SRK50

(i) Operating conditions

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

(ii) Detail of operation

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



(iii) Reset conditions

When either of the following condition is satisfied

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

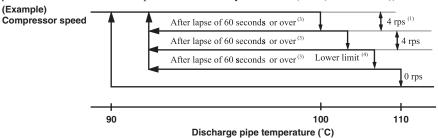
(i) Compressor overheat protection

(i) Purpose

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

(ii) Detail of operation

1) Speeds are controlled with temperature detected by the sensor (TH4 (SRK50: TH3)) mounted on the discharge pipe.



Notes (1) When the discharge pipe temperature is in the range of 100-110°C, the speed is reduced by 4 rps.

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

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

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

(j) Current safe

(i) Purpose

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

(ii) Detail of operation

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

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

Operation starts again after 3 minutes.

(k) Current cut

(i) Purpose

Inverter is protected from overcurrent.

(ii) Detail of operation

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

(I) Outdoor unit failure

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

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

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

(m) Indoor fan motor protection

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

(n) Serial signal transmission error protection

(i) Purpose

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

(ii) Detail of operation

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

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

(o) Rotor lock

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

(p) Outdoor fan motor protection

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

(q) Outdoor fan control at low outdoor temperature

(i) Cooling

1) Operating conditions

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

2) Detail of operation

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

• Value of A

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

a) Outdoor heat exchanger temperature (TH2 (SRK50 : 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 (TH2 (SRK50 : 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 (TH2 (SRK50 : 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 (TH3 (SRK50: TH2)) is 24°C or higher.
- b) The compressor command speed is 0 rps.

(ii) Heating

1) Operating conditions

When the outdoor air temperature (TH3 (SRK50 : TH2)) is 0°C (In addition SRC35 : 6°C) or lower continues for 30 seconds while the compressor command 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 (In addition SRC35: 1 speed step up corresponding to inverter number of rotations when the outdoor air temperature (TH3) is 6°C or lower))

3) Reset conditions

When either of the following conditions is satisfied

- a) The outdoor air temperature (TH3 (SRK50: TH2)) is 2°C (SRC35: 7°C) or higher.
- b) The compressor command speed is 0 rps.

(r) Refrigeration cycle system protection

(i) Starting conditions

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

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

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

(ii) Contents of control

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

(iii) Reset condition

When the compressor has been turned OFF

10. MAINTENANCE DATA

(1) Cautions

- (a) If you are disassembling and checking an air-conditioner, be sure to turn off the power before beginning. When working on indoor units, let the unit sit for about 1 minute after turning off the power before you begin work. When working on an outdoor unit, there may be an electrical charge applied to the main circuit (electrolytic condenser), so begin work only after discharging this electrical charge (to DC10V or lower).
- (b) When taking out printed circuit boards, be sure to do so without exerting force on the circuit boards or package components.
- (c) When disconnecting and 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?

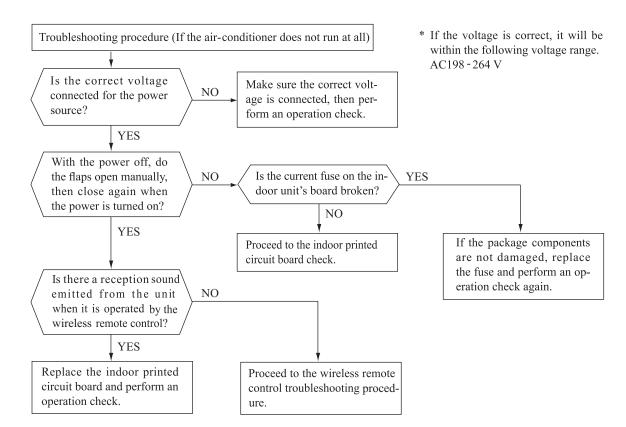
(3) Troubleshooting procedure (If the air-conditioner does not run at all)

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).

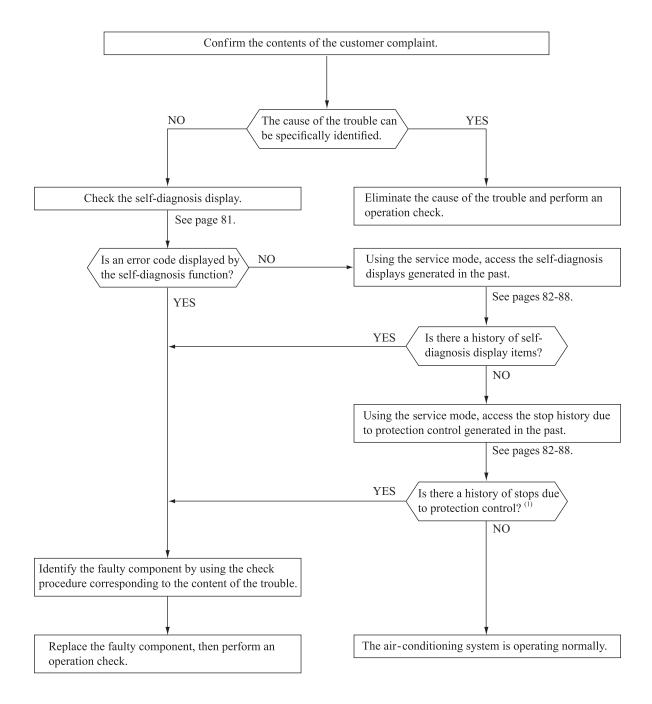
Important When all the following

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

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



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



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

(5) Self-diagnosis table

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

Indoor unit display panel		Wired (2) remote	Description Cause	Display (flashing) condition	
RUN light	TIMER light	control display	of trouble	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 300min 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 higher 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 higher 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 command speed is lower than the set value and the current safe has operated. (the compressor stops)
ON	4-time flash	E 51	Power transistor error	Broken power transistor	When the power transistor is judged breakdown while compressor starts. (The compressor is stopped.)
ON	5-time flash	E 36	Over heat of compressor	Gas shortage, defective discharge pipe sensor, service valve is closed	When the value of the discharge pipe sensor exceeds the set value. (The air-conditioner stops.)
ON	6-time flash	E 5	Error of signal transmission	Defective power source, Broken signal wire, defective indoor/outdoor unit PCB	When there is no signal between the indoor unit PCB and outdoor unit PCB for 10 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	E 47	Active filter voltage error	Defective active filter	When the wrong voltage connected for the power source. When the outdoor unit PCB is faulty
7-time flash	ON	E 57	Refrigeration cycle system protective control	Service valve is closed. Refrigerant is insufficient	When refrigeration cycle system protective control operates.
7-time flash	1-time flash	E 40	Service valve (gas side) closed opertion	• Service valve (gas side) closed • Defective outdoor unit PCB	If the output current of inverter exceeds the specifications, it makes the compressor stopping. (In heating mode). After 3-minute delay, the compressor restarts, but if this anomaly occurs 2 times within 20 minutes after the initial detection.
_	_	E 1	Error of wired remote control wiring	Broken wired remote control wire, defective indoor 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.)

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.

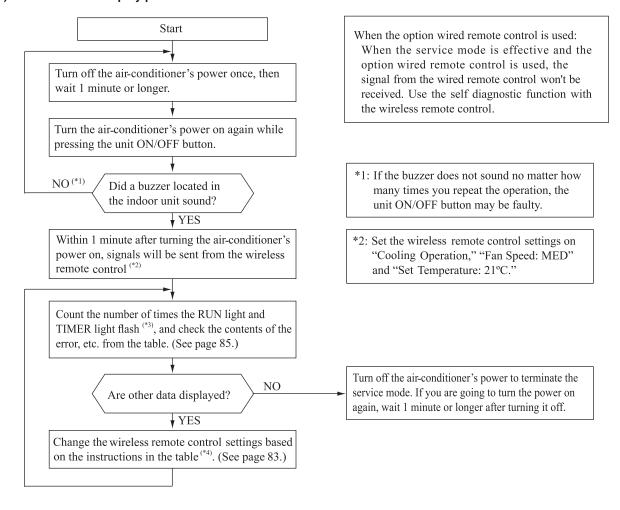
(6) Service mode (Trouble mode access function)

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.

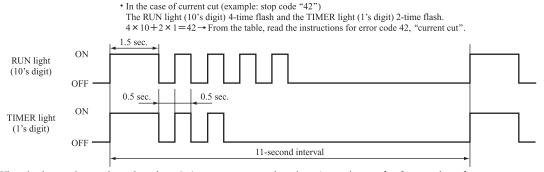
(a) Explanation of terms

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 conditioner system. Error display contents and protective stop data from past anomalou operations of the air-conditioner system are saved in the indoor unit control's non-volate memory (memory which is not erased when the power goes off). There are two types of self-diagnosis data and stop data, described below.			
These are the data which display the reason why a stop occurred when an error displadiagnosis display) occurred in an indoor unit. Data are recorded for up to 5 previous Data which are older than the 5th previous occurrence are erased. In addition, data on the temperature of each sensor (room temperature, indoor heat e outdoor heat exchanger, outdoor air temperature, discharge pipe), remote control info (operation switching, fan speed switching) are recorded when trouble occurs, so more 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	control setting	Combonto of cultural data	
Operation mode	Fan speed mode	Contents of output data	
	MED	Displays the reason for stopping display in the past (error code).	
Cooling	HI	Displays the room temperature sensor temperature at the time the error code was displayed in the past.	
	AUTO	Displays the indoor heat exchanger sensor temperature at the time the error code was displayed in the past.	
	LO	Displays the wireless remote control information at the time the error code was displayed in the pas	
Haatina	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 the error display data are from.	
Temperature setting		
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	Wireless remote control setting		
Operation mode	Fan speed mode	Temperature setting	Displayed data
		21°C	Displays the reason for the stop (error code) the previous time an error was displayed.
		22°C	Displays the reason for the stop (error code) 2 times previous when an error was displayed.
Cooling	MED	23°C	Displays the reason for the stop (error code) 3 times previous when an error was displayed.
		24°C	Displays the reason for the stop (error code) 4 times previous when an error was displayed.
		25°C	Displays the reason for the stop (error code) 5 times previous when an error was displayed.

(ii) Stop data

Wireless remote 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.	
		23°C	Displays the reason for the stop (stop code) 3 times previous when the air-conditioner was stopped by protective stop control.	
		24°C	Displays the reason for the stop (stop code) 4 times previous when the air-conditioner was stopped by protective stop control.	
Cooling	LO	25°C	Displays the reason for the stop (stop code) 5 times previous when the air-conditioner was stopped by protective stop control.	
Cooming	Cooling LO	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.	
		30°C	Displays the reason for the stop (stop code) 10 times previous when the air-conditioner was stopped by protective stop control.	

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

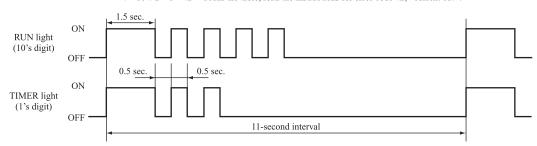
	ashes when in se mode Stop code				_	Auto	
RUN light 10's digit)	TIMER light	or Error code	Error content	Cause	Occurrence conditions	Error display	Auto
	OFF	0	Normal	_	_	_	┷
OFF	1-time flash	01	Error of wired remote control wiring (When wired remote control was connected) (When wireless LAN interface was connected, refer to page 81.)	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.	_	0
	5-time flash	05	Can not receive signals for 35 seconds (if communications have recovered)	Power source is faulty Power source cables and signal lines are improperly wired. Indoor or outdoor 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 temperature 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 intial detection of this anomalous temperature. 07–55°C higher is detected for 5 seconds continuously within 20 seconds after power ON.	(3 times)	0
	8-time flash	38	Outdoor air temperature sensor is abnormal	Outdoor air temperature sensor wire is disconnected. Connector connections are poor. Outdoor unit PCB is faulty	-55°C or lower is detected for 5 seconds continuously 3 times within 40 minutes after intial detection of this anomalous temperature. Or-55°C higher is detected for 5 seconds continuously within 20 seconds after power ON.	(3 times)	0
	9-time flash	39	Discharge pipe temperature 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)	0
	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)	0
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)	0
	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)	0
	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)	0
5-time flash	8-time flash	58	Current safe	Refrigerant is overcharge. Compressor lock. Overload operation.	When there is a current safe stop during operation.	_	0
9-time flash		59	Compressor wiring is unconnection Voltage drop Low speed protective control	Compressor wiring is disconnected. Power transistor is damaged. Power source construction is defective. Outdoor 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	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)	0
6-time flash	1-time flash	61	Connection lines between the indoor and outdoor units are faulty	Connection lines are faulty. Indoor or outdoor 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 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 300min' 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 temperature 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.	Anti-condensation prevention control is operating.		0
	5-time flash	85	Anti-frost control	Indoor unit fan speed drops. Indoor heat exchanger sensor is broken wire.	When the anti-frost control operates and the compressor stops during cooling operation.	_	0
	6-time flash	86	Heating high pressure control	Heating overload operation. Indoor unit fan speed drops. Indoor heat exchanger sensor is short circuit.	When high pressure control operates during heating operation and the compressor stops.	-	0

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.)

• In the case of current cut (example: stop code "42")

The RUN light (10's digit) 4-time flash and the TIMER light (1's digit) 2-time flash.

4×10+2×1=42→ From the table, read the instructions for error code 42, "current cut".



(2) Error display: — Is not displayed. (automatic recovery only)

O Displayed.

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

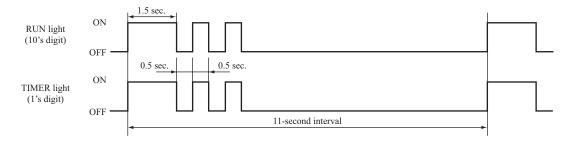
(ii) Fan speed mode

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

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

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

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



(e) Temperatare information

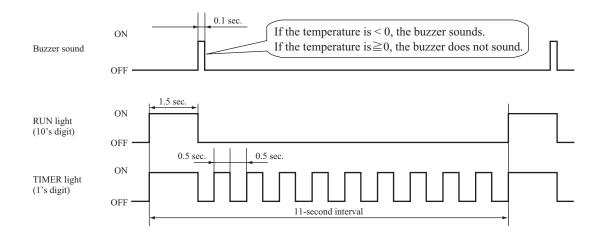
(i) Room temperature sensor, indoor heat exchanger temperature sensor, outdoor air temperature sensor, outdoor heat exchanger temperature sensor

										U	nit: °C
TIMER light (1's digit) RUN light (10's digit) Buzzer sound		0	1	2	3	4	5	6	7	8	9
	6	-60	-61	-62	-63	-64					
	5	-50	-51	-52	-53	-54	-55	-56	-57	-58	-59
	4	-40	-41	-42	-43	-44	-45	-46	-47	-48	-49
Yes (sounds for 0.1 second)	3	-30	-31	-32	-33	-34	-35	-36	-37	-38	-39
	2	-20	-21	-22	-23	-24	-25	-26	-27	-28	-29
	1	-10	-11	-12	-13	-14	-15	-16	-17	-18	-19
	0		-1	-2	-3	-4	-5	-6	-7	-8	-9
	0	0	1	2	3	4	5	6	7	8	9
	1	10	11	12	13	14	15	16	17	18	19
	2	20	21	22	23	24	25	26	27	28	29
	3	30	31	32	33	34	35	36	37	38	39
No (does not sound)	4	40	41	42	43	44	45	46	47	48	49
	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 temperature sensor	-64°C
Outdoor air temperature sensor	-64°C
Outdoor heat exchanger temperature sensor	-64°C

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



(ii) Discharge pipe temperature sensor

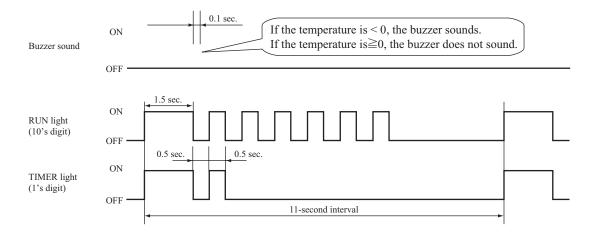
										Ur	nit: °C
TIMER light (1's digit) RUN light (10's digit) Buzzer sound			1	2	3	4	5	6	7	8	9
	3	-60	-62	-64							
Yes	2	-40	-42	-44	-46	-48	-50	-52	-54	-56	-58
(sounds for 0.1 second)	1	-20	-22	-24	-26	-28	-30	-32	-34	-36	-38
	0		-2	-4	-6	-8	-10	-12	-14	-16	-18
	0	0	2	4	6	8	10	12	14	16	18
	1	20	22	24	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 temperature sensor	-64°C

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

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



Service data record form

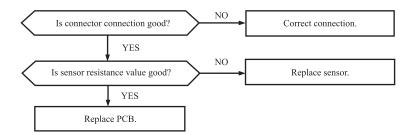
	1			26.11	I			
Customer				Model				
Date of inv								
Machine na								
Content of		1			I	D:! '	1	
	emote contro		Content of displayed da	ata		Display result		Display content
Temperature setting	Operation mode	-				RUN light (Times)	TIMER light (Times)	
	G 1:	MED	Error code on previous occasion					
	Cooling	HI	Room temperature sensor on previous occasi					
		AUTO		ndoor heat exchanger sensor 1 on previous occasion				
21		LO	Wireless remote control information on previ					
	Heating	MED	Outdoor air temperature sensor on previous o					
		HI	Outdoor heat exchanger sensor on previous of	ccasion				
26	Cooling	AUTO	Discharge pipe sensor on previous occasion	•				
20	Cooling	AUTO	Indoor heat exchanger sensor 2 on previous o	ccasion				
	Cooling	MED	Error code on second previous occasion					
	Cooling	HI	Room temperature sensor on second previous					
22		AUTO	Indoor heat exchanger sensor 1 on second previ					
22		LO	Wireless remote control information on secon					
	Heating	MED	Outdoor air temperature sensor on second pre					
		HI	Outdoor heat exchanger sensor on second pre					
27	Capling	AUTO	Discharge pipe sensor on second previous occ					
21	Cooling	AUTO	Indoor heat exchanger sensor 2 on second occ	casion				
	Cooling	MED	Error code on third previous occasion					
	Coomig	HI	Room temperature sensor on third previous o					
23		AUTO	Indoor heat exchanger sensor 1 on third previ					
23		LO	Wireless remote control information on third	*				
	Heating	MED	Outdoor air temperature sensor on third previ					
		HI	Outdoor heat exchanger sensor on third previous					
28	Cooling	AUTO	Discharge pipe sensor on third previous occas					
20	Cooling	AUTO	Indoor heat exchanger sensor 2 on third occas	31011				
	Cooling	MED HI	Error code on fourth previous occasion					
	Cooming	AUTO	Room temperature sensor on fourth previous Indoor heat exchanger sensor 1 on fourth previous					
24		LO	Wireless remote control information on four					
24		MED	Outdoor air temperature sensor on fourth prev					
	Heating	HI	Outdoor heat exchanger sensor on fourth prev					
		AUTO	Discharge pipe sensor on fourth previous occa					
29	Cooling	AUTO	Indoor heat exchanger sensor 2 on fouth occa					
	coomig	MED	Error code on fifth previous occasion	31011				
	Cooling	HI	Room temperature sensor on fifth previous oc	reasion				
	Cooming	AUTO	Indoor heat exchanger sensor 1 on fifth previous of					
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 occasion					
21			Indoor heat exchanger sensor 2 on fifth occasion Stop code on previous occasion					
22		Stop code on previous occasion Stop code on second previous occasion						
23			Stop code on third previous occasion					
24			Stop code on fourth previous occasion					
25			Stop code on fifth previous occasion					
26	Cooling	LO	Stop code on sixth previous occasion					
27			Stop code on seventh previous occasion					
28			Stop code on seventh previous occasion Stop code on eighth previous occasion					
29			Stop code on ninth previous occasion					
30			Stop code on tenth previous occasion					
Judgment			2.1. Code on term provides decusion		1			Examiner
Remarks								

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 83.)

(7) Inspection procedures corresponding to detail of trouble

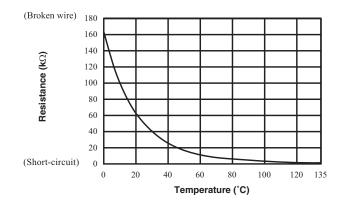
Sensor error

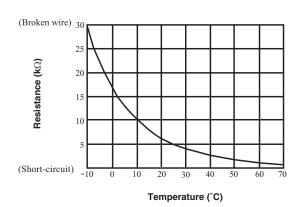
Broken sensor wire, connector poor connection



♦ Discharge pipe temperature sensor characteristics

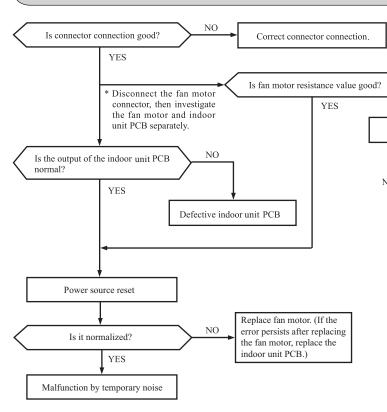
◆ Temperature sensor characteristics (Room temperature, indoor heat exchanger temperature, outdoor heat exchanger temperature, outdoor air temperature)





Indoor fan motor error

Defective fan motor, connector poor connection, defective indoor unit PCB



Notes (1) See page 96 for the fan motor and indoor unit PCB check procedure.

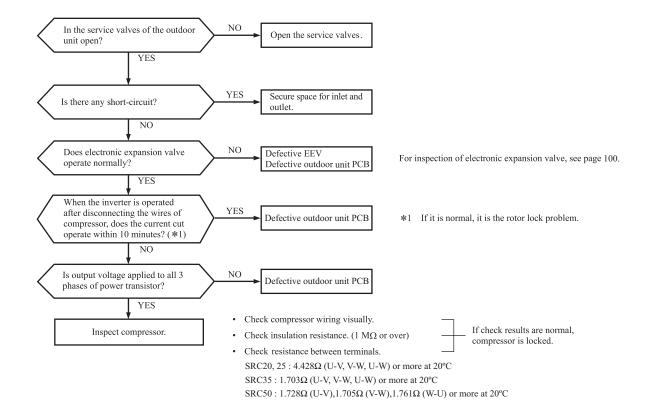
NO

Replace indoor fan motor.

- (2) After making sure the fan motor and indoor unit PCB are normal, connect the connectors and confirm that the fan motor is turning.
 - (If power is turned on while one or the other is broken down, it could cause the other to break down also.)

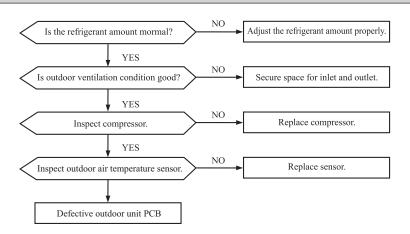
Current cut

Compressor lock, Compressor wiring short-circuit, Compressor output is open phase, Outdoor unit PCB is faulty, Service valve is closed, EEV is faulty, Compressor faulty.



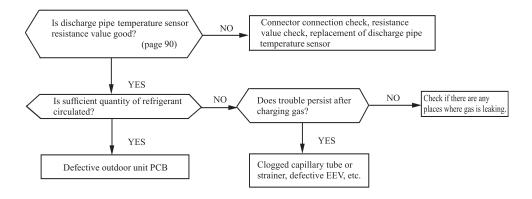
Current safe stop

Overload operation, compressor



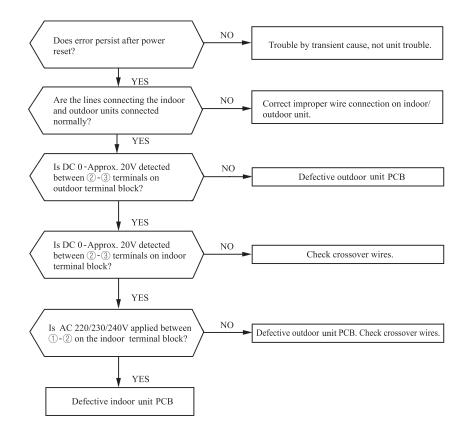
Overheat of compressor

Gas shortage, defective discharge pipe temperature sensor



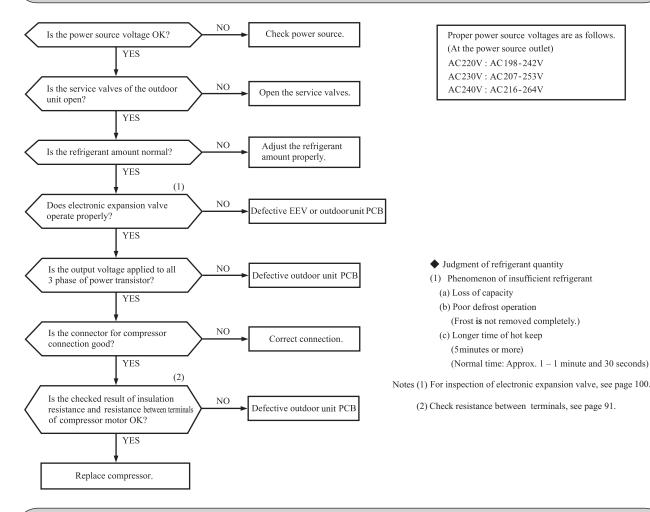
Error of signal transmission

Wiring error including power cable, defective indoor/ outdoor unit PCB



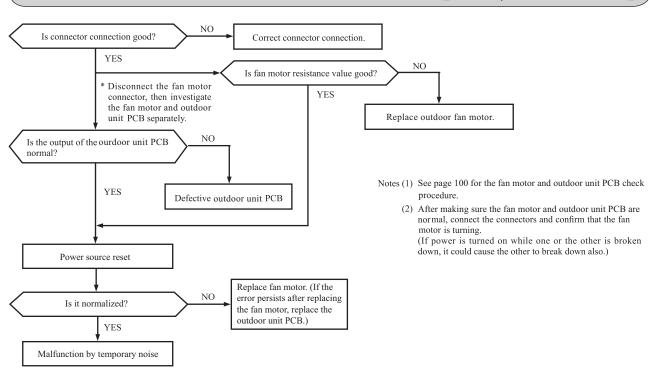
Trouble of outdoor unit

Insufficient refregerant amount, Faulty power transistor, Broken compressor wire Service valve close, Defective EEV, Defective outdoor unit PCB



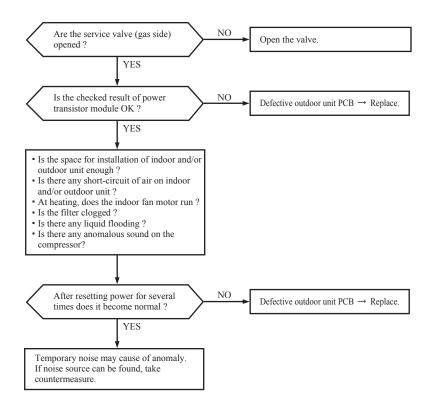
Outdoor fan motor error

Defective fan motor, connector poor connection, defective outdoor unit PCB



Service valve (gas side) closed operation

Service valve (gas side) closed,
Defective outdoor unit PCB



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

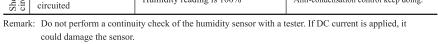
(a) Indoor unit

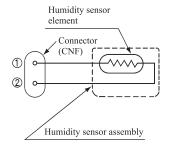
Camaan	Operation	Phenomenon				
Sensor	mode	Short-circuit	Disconnected wire			
Room temperature	Cooling	Release of continuous compressor operation command.	Continuous compressor operation command is not released.			
sensor	Heating	Continuous compressor operation command is not released.	Release of continuous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

Note (1) SRK35, 50 only.

Humidity sensor operation

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



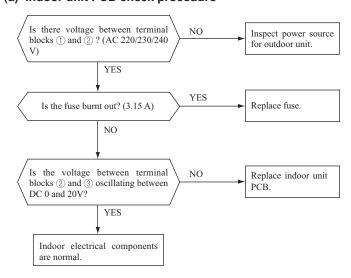


(b) Outdoor unit

Concer	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 minut				
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



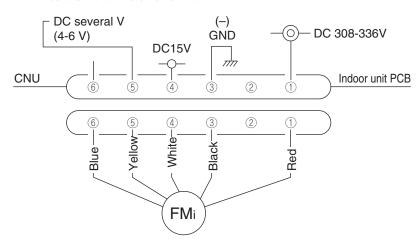
(b) Indoor fan motor check procedure

This is a diagnostic procedure for determining if the indoor 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.



Measuring point	Voltage range when normal
1 - 3	DC 308-336V
4-3	DC 15V
5-3	DC several V (4-6V)

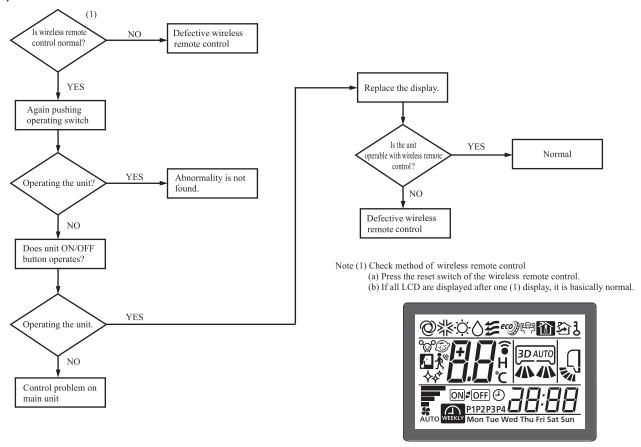
2) Fan motor resistance check

Measuring point	Resistance when normal
① - ③ (Red - Black)	$20\mathrm{M}\Omega$ or higher
4 - 3 (White - Black)	$20~{\rm k}\Omega$ or higher

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

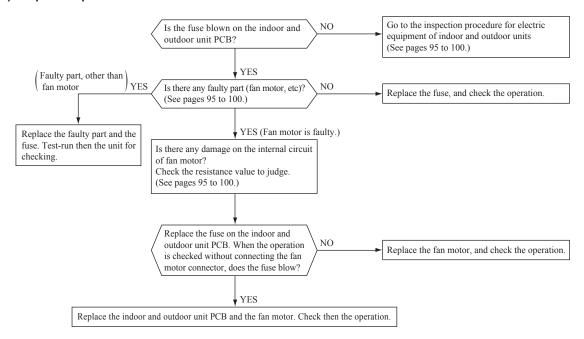
(2) If the measured value is below the value when the motor is normal, it means that the fan motor is faulty.

(10) How to make sure of wireless remote control



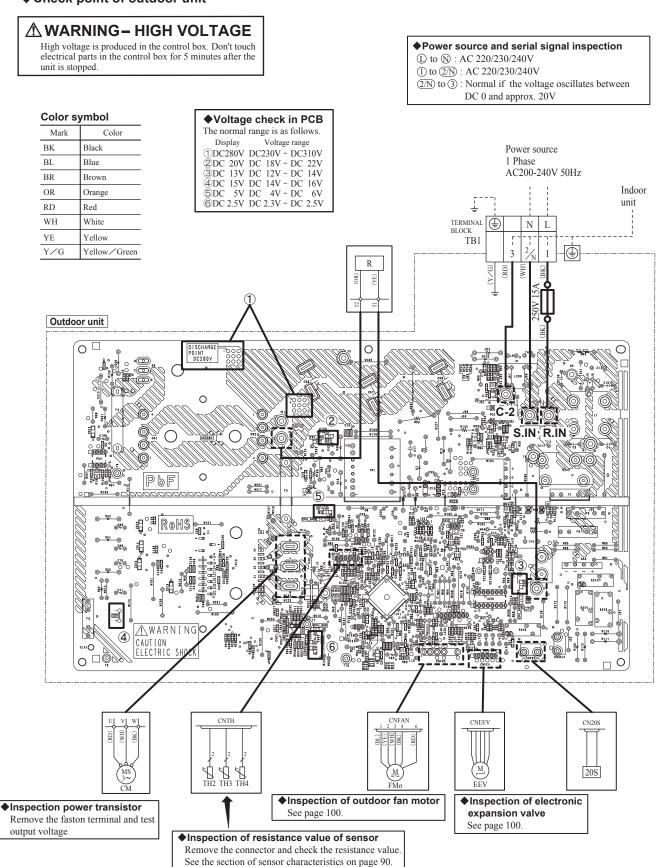
Simplified check method of wireless remote control It is normal if the signal transmission section of the wireless remote control emits a whitish light at each transmission on the monitor of digital camera.

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



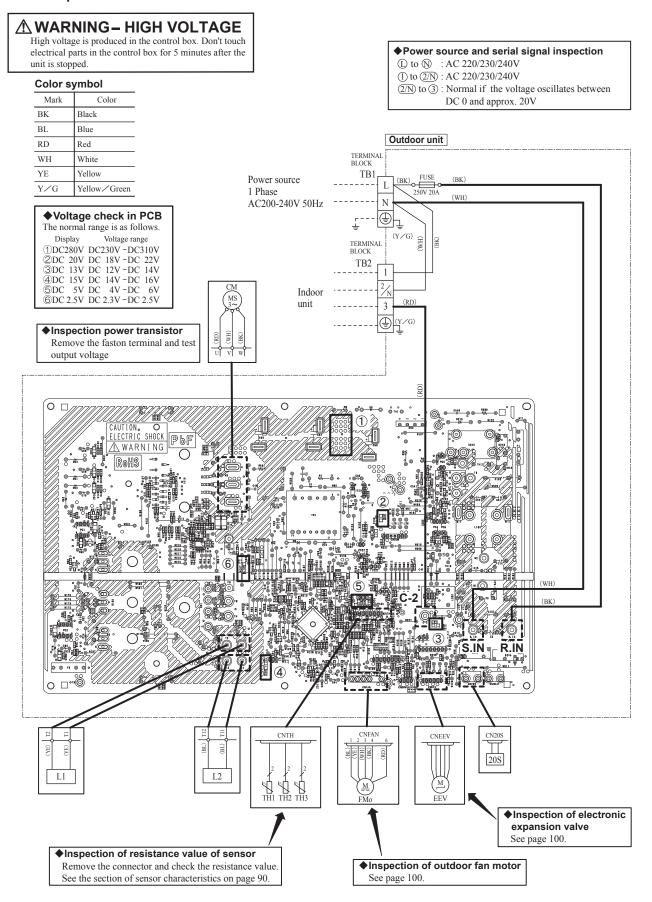
(12) Outdoor unit inspection points Models SRC20ZS-W, 25ZS-W, 35ZS-W SRC25ZS-W1, 35ZS-W1 SRC25ZS-W2, 35ZS-W2

♦Check point of outdoor unit



Model SRC50ZS-W

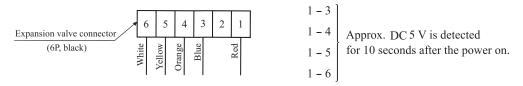
Check point of outdoor unit



(a) Inspection of electronic expansion valve

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

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



- (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.

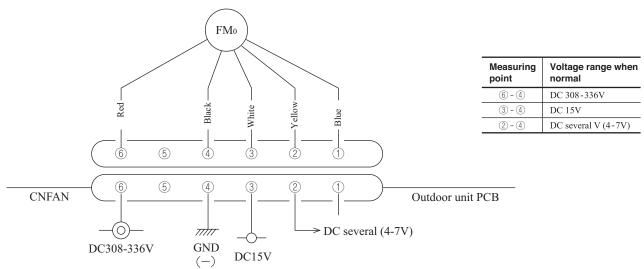
Measuring point	Resistance when normal
1-6	
1-5	$46\pm4\Omega$
1-4	(at 20°C)
1-3	

(b) Outdoor fan motor check procedure

- When the outdoor unit 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
⑥ - ④ (Red - Black)	$20~\mathrm{M}\Omega$ 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.





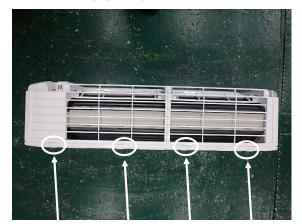
(2) Remove the screw(The following 2 places).



(3) Remove the end cover.



(4) Remove nails (4 places).



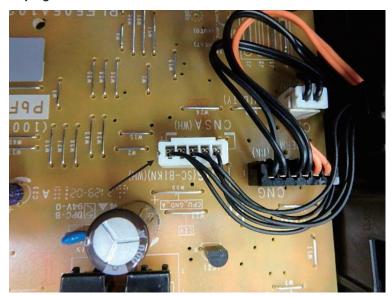
(5) Remove the cover.



(6) Remove the control cover.



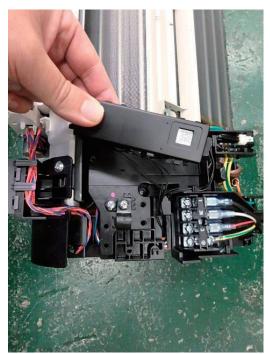
(7) Unplug the connector.



(8) Unscrew.



(9) Pull out control.



SRK20-50ZS-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 MODE select	AUTO	0	0	0
	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		_	
			0	0
Temperature	Vacant property mode 18°C-30°C		0	
adjustment				
FAN SPEED	AUTO	0	0	0
	HIGH POWER	0	×(Displayed as ■■■)	×(Displayed as Hi)
	Hi	0	○ (Displayed as ■■■■)	O (Displayed as PHi)
	Me	0	○ (Displayed as ■■■)	○ (Displayed as Hi)
	Lo	0	○ (Displayed as ■■)	(Displayed as Me)
	ULo	0	○ (Displayed as ■)	(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	(Displayed as 3 step)	(Displayed as 3 step)
	Up/down (5 step)	0	(Displayed as 4 step)	(Displayed as 4 step)
	Up/down (swing)	0	(2.6p.u/su us : 516p)	(2.6p.a) ca ao : 6.6p)
	Up/down (flap stopped)	<u> </u>	×(Displayed as 2 step)	×(Displayed as 2 step)
	Left/right (leftmost)	<u>O</u>		(Displayed as 2 step)
	- ' '		0	0
	Left/right (left)	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 function	Display brightness adjustment	0	-	-
	Fan control in heating thermo-OFF	0	-	0
	SELF CLEAN setting	0	-	_
	Silent setting	_	-	_
	Wireless LAN connection setting	0	-	_
	Wireless LAN communication	0	-	-
		0	_	_
Ohter	Installation location setting			
	Installation location setting Silent		_	\cap
	Silent	0		0
Ohter function			- - 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
 iPhone 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
- □ 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).

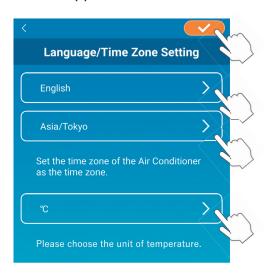
(3) Creating user account

Smartphone setting
 Turn on Wi-Fi of your smartphone and connect smartphone and router.



- 2) Application initial setting Initial application settings and the application starts.
- 3) After startup, the "Language / Time Zone Setting" screen appears.



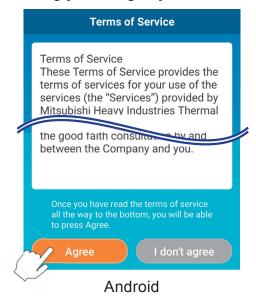


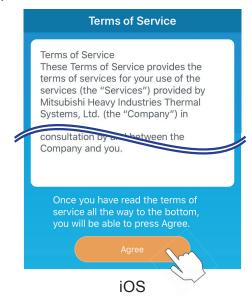
Select which language to use in the application.

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.

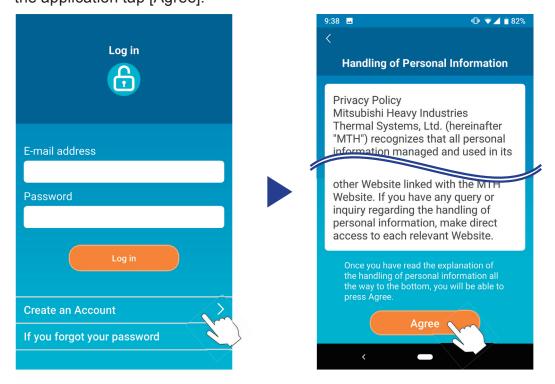




5) The "Startup" screen appears. Tap [Operate Air Conditioner].



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].

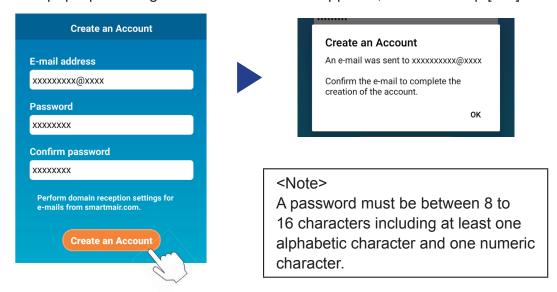


7) The "Create an Account" screen appears.

Enter your e-mail address and password

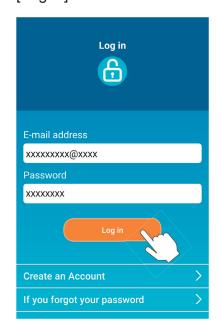
Tap the [Create an Account] button.

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.

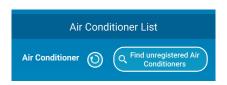


<Note>

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.



<Note>

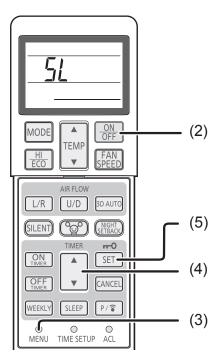
After performing step 5) below, it is necessary to complete up to step 5 (A) 3) within 2 minutes for WPS mode, and up to 5 (B) 3) within 5 minutes for AP mode.

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

WPS button

(5) Connect the air conditioner to the network.

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

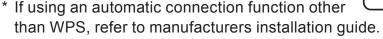
See item (A) for WPS, and item (B) for AP.

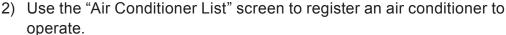
(A) Connect the air conditioner to the network with WPS function

1) Press the WPS button.

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

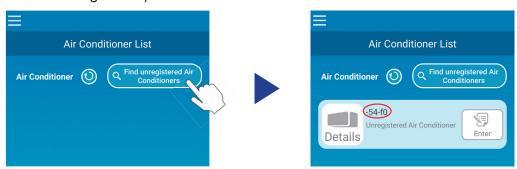
Operation to connect to the router using WPS may vary, refer to manufacturers installation guide for instructions.





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

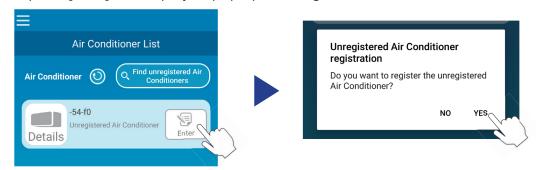
The air conditioner name displays the last 6 digits of the SSID in the position indicated by in the image below. (Refer to section 6 for instructions on confirming SSID.)



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.



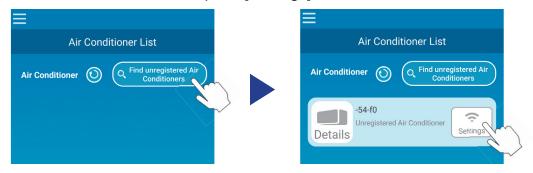
The following screen will be displayed when registration is complete.



(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.



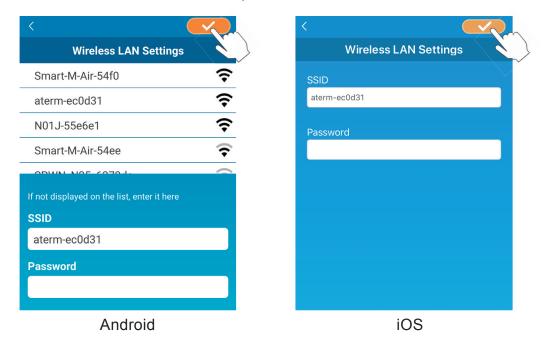
If the air conditioner is not displayed, repeat steps in section 4.

- 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 detail at 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.</note>
See the section "Maintenance" in the USER'S MANUAL for instructions to open the inlet panel.

Label attachment position

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[&]quot;iPhone" is a trademark of Apple Inc. registered in the U.S. and other countries. App Store is a service mark of Apple Inc.

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

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





Figure 1-1

Figure 1-2

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.



Figure 3-1

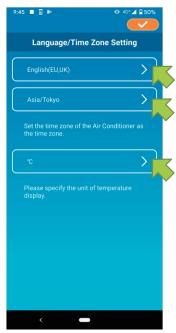
Application initial setting
 Tap the Smart M-Air icon.



Figure 3-2



The application starts.



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 on the top right to complete the setting.

Figure 3-4

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.

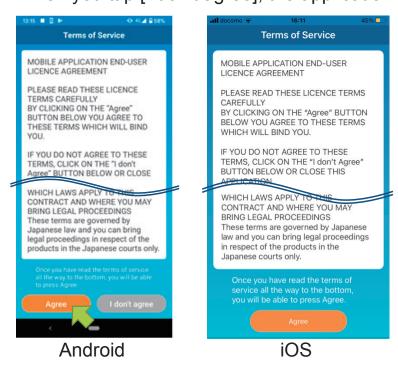


Figure 3-5

On the startup screen, select a mode to use.

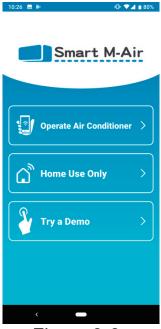


Figure 3-6

Operate Air Conditioner (Remote operation mode)

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

- → To "Creating user account"
- 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 "Changing Application Settings"
- 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

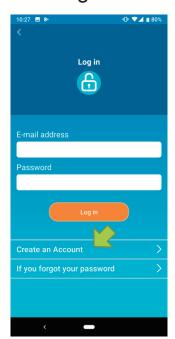
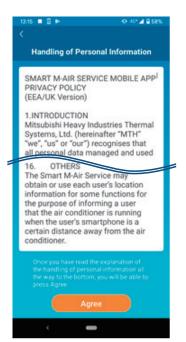


Figure 3-7

Tap [Create an Account].



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].

Figure 3-8

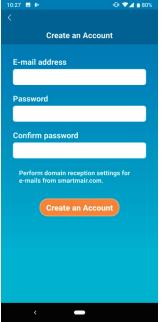
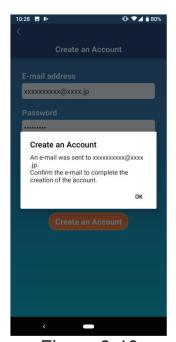


Figure 3-9

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.

Figure 3-10



Figure 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 "Reset Password"

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
 - → 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 "How to delete a registered air conditioner"

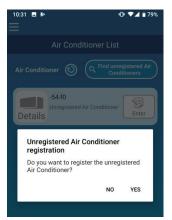


Figure 3-13

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

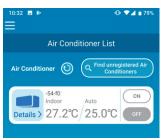


Figure 3-14

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

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

Tap the [Settings] button.

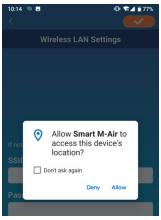


Figure 3-16

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.

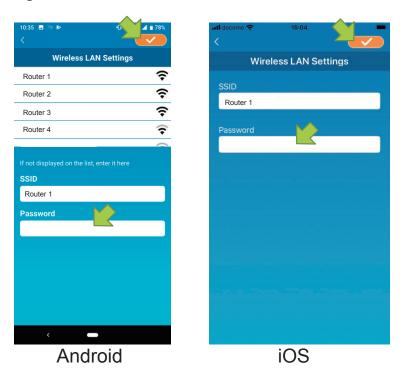


Figure 3-17



Figure 3-18

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 3-19



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 3-21



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 (1).



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



Figure 4-2

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



Figure 4-3

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



Figure 4-4

To set a desired temperature, tap / _____.

The current set temperature appears in the circle.



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

Tap / >> to change settings.

Figure 4-5

• Changing fan speed and air flow direction



Figure 4-6

Switching Vacant Property Mode



Figure 4-7

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



Figure 5-1

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.



Figure 5-2

Change each item to your favourite setting, and tap on the top right to add it to Favourites.

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



Figure 5-3

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

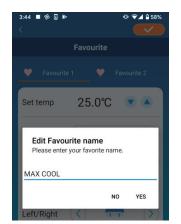


To change the name of the "Favourite" button, press and hold down the "Favourite" button for approximately 1 second. "Edit Favourite name" dialog appears to change the name.

Figure 5-4



Figure 5-5



Enter the new favourite name and tap [YES].

Figure 5-6



Figure 5-7

(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.

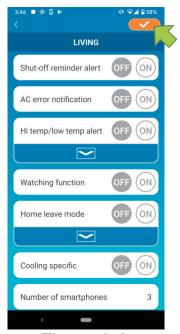
→ To "Changing Application Settings"



Figure 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.



Note

you changed.

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

Switch between [ON] and [OFF], and tap

on the top right of the screen to save the settings

Figure 6-2

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].



Figure 6-3

When the pop-up message appears, tap [YES] and then tap on the top right.

■ 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.

Figure 6-4

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.

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



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.

Figure 6-5

■ 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].



Figure 6-6

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.

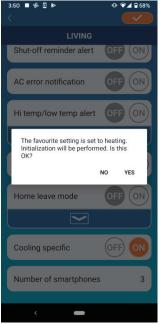
[example]

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.

Figure 6-8

■ 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 ____ 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.



air conditioner details screen.

Tap [Weekly Timer] on the lower part of the

The "Weekly Timer" screen appears.

Figure 7-1

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

Weekly Timer

Sun Mon Tue Wed Thu Fri Sat

OFF ON

Time 00:00

Set temp 25.0 °C
Operation mode
Auto
Up/Down
Left/Right
3D AUTO

00:00 Auto

Figure 7-2

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.



A disabled timer shows the time and operation mode only.

Tap the switch at to enable and edit.

Edit each item and tap on the top right to set the timer on the target day.

Figure 7-3



Figure 7-4

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.



Figure 8-1

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



Figure 8-3

Tap the date whose timer you want to clear.



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

Figure 8-4



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.



Figure 9-1

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

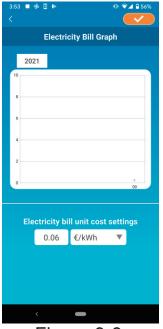


Figure 9-3

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

After editing, tap _____ to save the setting.

(10) Updating Firmware

If the firmware of your wireless LAN interface is not up to date, an exclamation mark 1 appears on the "Air Conditioner List" screen.



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

Figure 10-1



Figure 10-2

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.



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.

Figure 10-3



Figure 10-4

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

(11) Main Menu

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

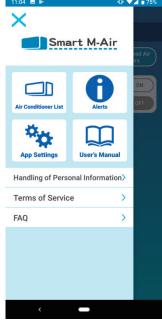


Figure 11-1

■ Air Conditioner List: Operates or sets an

Air conditioner.

■ Alerts : Checks alerts.

■ App Settings : Switches the operation

mode or sets the password.

■ User's Manual : Displays the user's

manual.

■ Handling of Personal Information

: Displays the handling of personal information.

■ Terms of Service : Displays the terms of

service.

■ FAQ : Displays the FAQ.

Canceling demo mode



Figure 11-2

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

(12) Checking Alerts



Open the main menu and tap [Alerts].

Figure 12-1



Figure 12-2

A list of alerts appears.

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

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

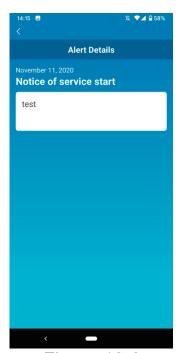
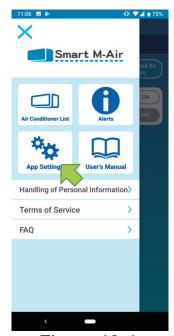


Figure 12-3

(13) Changing Application Settings



Open the main menu and tap [App Settings].

Figure 13-1



Figure 13-2

The "Application Settings" screen appears.

- Switch Operation Modes: Switches between the remote operation mode and home restricted mode.
 - → 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

Switching to "Remote operation mode"

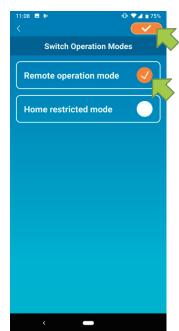
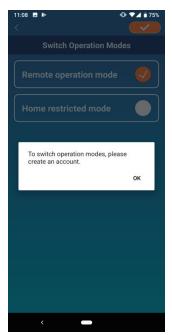


Figure 13-3

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



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

→ To <u>"Creating user account"</u>

Figure 13-4

Switching to "Home restricted mode"

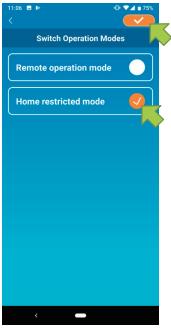


Figure 13-5

Tap [Home restricted mode] \rightarrow Tap 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

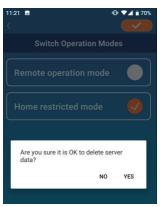


Figure 13-7

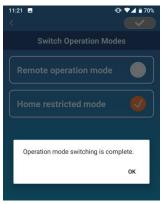
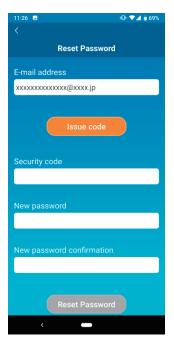


Figure 13-8

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 < and return to the previous screen, these operations are canceled.

Figure 13-9

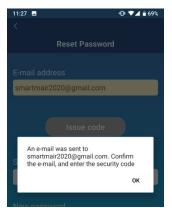


Figure 13-10

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

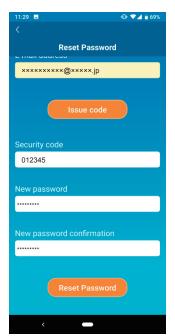


Figure 13-11

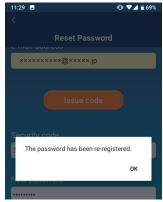


Figure 13-12

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

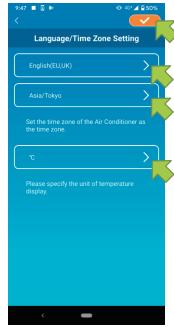


Figure 13-13

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 on the top right to complete the setting.

Application Initialization

Initializes the smartphone application.

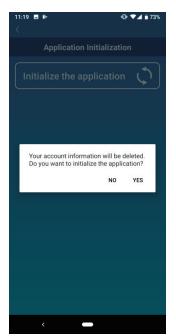
Note

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



Figure 13-14

Tap [Initialize the application].



When the pop-up message "Your account information will be deleted.

Do you want to initialize the application?" appears, tap [YES].

Figure 13-15



Figure 13-16

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

Application Version Display



Figure 13-17

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.

Figure 14-1



Figure 14-2

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

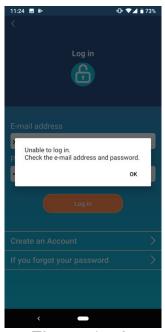


Figure 14-6

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 "Reset Password"

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)

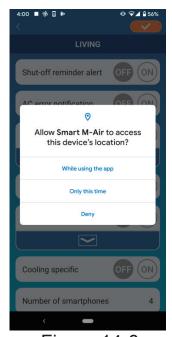


Figure 14-8

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

PJZ012A171 🗥

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.

≜ WARNING	Failure to follow these instructions properly may result in serious consequences such as death, severe injury, etc.
	consequences such as death, severe injury, etc.
∴ CAUTION	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.



• 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.

MARNING

- 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.
- 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.
- 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.

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.

Shut OFF the main power source before starting electrical work. Otherwise, it could result in electric shocks, break-down or malfunction.

Otherwise, it could result in electric shocks, break-down or malfunction.

Do not modify the unit.

It could cause electric shocks, fire, or break-down.

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.

!WARNING

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. Do not install the unit where water vapor is generated excessively or condensation occurs. It could cause electric shocks, fire, or break-down. 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.

Do not operate the unit with wet hands. It could cause electric shocks.

Do not wash the unit with water.

break-down.

It could cause electric shocks, fire, or break-down.

Use the specified cables for wiring, and connect them securely with care to protect electronic parts from external forces.

Improper connections or fixing could cause heat generation, fire, etc.

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.

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.

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

ACAUTION

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



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

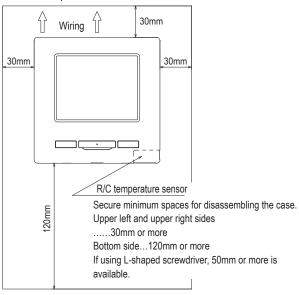
Secure the installation space shown in the figure.

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.

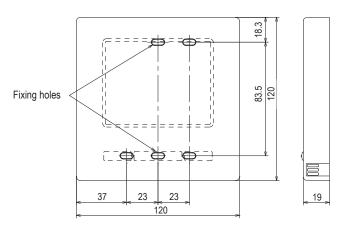
Installation space



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.

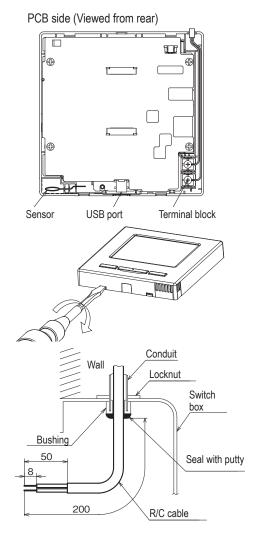
Take care to protect the removed upper case from moisture or dust.

In case of embedding wiring

(When the wiring is retrieved "Backward")

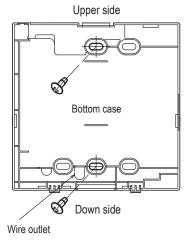
1) Embed the switch box and the R/C wires beforehand.

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

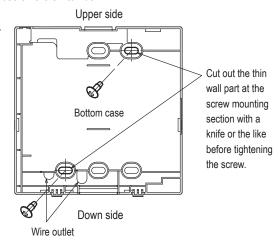


② When wires are passed through the bottom case, fix the bottom case at 2 places on the switch box.

Switch box for 1 pc.



Switch box for 2 pcs.

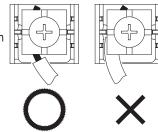


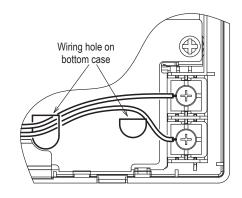
- ③ Connect wires from X and Y terminals of R/C to X and Y terminals of indoor unit. R/C wires (X, Y) have no polarity. Fix wires such that the wires will run around the terminal screws on the top case of R/C.
- 4 Install the upper case with care not to pinch wires of R/C.

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 N·m or less) the wire connection. If the wire is connected using an electric driver, it may cause failure or deformation.





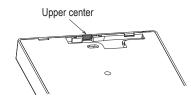
In case of exposing wiring

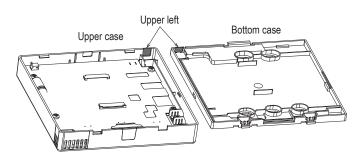
(When the wiring is taken out from the "upper center" or "upper left" of R/C)

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

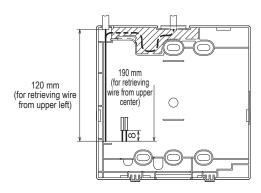
When taking the wiring out from the upper center, open a hole before separating the upper and bottom cases. This will reduce risk of damaging the PCB and facilitate subsequent work.

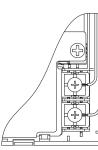
When taking the wiring out from the upper left, take care not to damage the PCB and not to leave any chips of cut thin wall inside.





- 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.



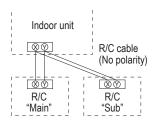


5) Main/Sub setting when more than one remote control are used

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	Main	Sub		
Run/Stop, Ch Change flap of speed operat	0	0		
High power o	peration, En	ergy-saving operation	0	0
Silent mode of	control		0	×
Useful	Individual fl	ap control	0	×
functions	Anti draft se	etting	0	×
	Timer		0	0
	Favorite se	tting	0	0
	Weekly time	er	0	×
	Home leave	e mode	0	×
	External ve	ntilation	0	0
	Select the I	anguage	0	0
	Silent mode	e control	0	×
Energy-savin	g setting		0	×
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

Installation settings Installation date Company information	: operable ×: not opera						
Settings Company information	R/C operation	าร			Main	Sub	
Test run			Installati	0	×		
Static pressure adjustment Change auto-address Address setting of main IU IU back-up function Motion sensor setting R/C function settings Main/Sub of R/C Return air temp. R/C sensor R/C sensor adjustment Operation mode C/C / °F Fan speed External input Upper/lower flap control Ventilation setting Auto-restart Auto temp. setting X Auto-restart Auto temp. setting X Auto-	setting	settings	Compan	y information	0	0	
Change auto-address			Test run		0	×	
Address setting of main IU			Static pr	essure adjustment	0	×	
IU back-up function			Change	auto-address	0	×	
R/C function settings R/C function settings Rain/Sub of R/C Return air temp. R/C sensor R/C sensor adjustment Operation mode C / °F Fan speed External input Upper/lower flap control Left/right flap control Ventilation setting Auto-restart Auto femp. setting Service & Maintenance IU settings Service & Maintenance IU settings Service & Operation data Error display Error history Operation at a company of the periodical check Saving IU settings Service & Coperation data Reset periodical check Saving IU settings Errar leftror history Operation at a company of the periodical check Service & Coperation of the periodical check Service & Coperation of the periodical check Service of default setting Restore of default setting Touch panel calibration			Address	setting of main IU	0	×	
R/C function settings Main/Sub of R/C Return air temp. R/C sensor R/C sensor adjustment Operation mode C / °F Fan speed External input Upper/lower flap control Ventilation setting Auto-restart Auto temp. setting Service & Main/Lenance IU settings Service & Main/Lenance IU settings Service & Operation data Error display Error history Operation at a company data Reset periodical check Saving IU settings CPU reset Restore of default setting X X X X X X X X X X X X X			IU back-	up function	0	×	
Return air temp.			Motion s	ensor setting	0	×	
R/C sensor O X R/C sensor adjustment O X Operation mode O X External input O X Upper/lower flap control O X Upper/lower flap control O X Ventilation setting O X Auto-restart O X Auto temp. setting O X Auto fan speed O X IU settings O X IU settings O X Service & IU address O O Maintenance IU address O O Operation data O X Oper			Main/Su	b of R/C	0	0	
R/C sensor adjustment Operation mode C / °F OF Fan speed External input Upper/lower flap control Ventilation setting Auto-restart Auto temp. setting Auto fan speed IU settings Service & Maintenance IU address Next service date Operation data Error display Error history Display/erase anomaly data Reset periodical check Saving IU settings Saving IU settings Service & CPU reset Restore of default setting X Rest periodication CPU reset Restore of default setting X Rest periodication CPU reset Restore of default setting X		settings	Return a	ir temp.	0	×	
Operation mode C / °F Fan speed External input Upper/lower flap control Lett/right flap control Ventilation setting Auto-restart Auto temp. setting Service & Maintenance IU settings Service & Maintenance IU daddress Next service date Operation data Error display Error history Operation data Reset periodical check Saving IU settings Saving IU settings Service date Operation data Error Coperation data Error display/erase anomally data Reset periodical check Saving IU settings CPU reset Restore of default setting X Touch panel calibration				• • •	0	×	
Fan speed			R/C sen	sor adjustment	0	×	
Fan speed External input Upper/lower flap control Left/right flap control Ventilation setting Auto-restart Auto temp. setting Auto fan speed X IU settings Service & Maintenance IU address Mext service date Operation data Error display Display/erase anomaly data Reset periodical check Saving IU settings Saving IU settings CPU reset Restore of default setting X X X X X X X X X X X X X			Operation	n mode	0	×	
External input Upper/lower flap control Left/right flap control Ventilation setting Auto-restart Auto temp. setting Auto fan speed IU settings Service & Maintenance IU address Mext service date Operation data Error display Error history Display/erase anomaly data Reset periodical check Saving IU settings Saving IU settings CPU reset Restore of default setting Touch panel calibration			°C / °F		0	×	
Upper/lower flap control			Fan spe	ed	0	×	
Left/right flap control			External	0	×		
Ventilation setting			Upper/lo	0	×		
Auto-restart Auto temp. setting Auto fan speed IU settings Service & Maintenance IU address Mext service date Operation data Error display Service date Operation data Error display Error pistory Oisplay/erase anomaly data Reset periodical check Saving IU settings Special Erase IU address CPU reset Restore of default setting Touch panel calibration X			Left/righ	0	×		
Auto temp. setting			Ventilation	0	×		
Auto fan speed			Auto-res	0	×		
IU settings Service & Maintenance Mext service date			Auto ten	0	×		
Service & Maintenance IU address			Auto fan	0	×		
Maintenance Next service date Operation data Error display Display/erase anomaly data Reset periodical check Saving IU settings Settings CPU reset Restore of default setting Touch panel calibration X X X X X X X X X X X X X		IU settings		0	×		
Operation data Error display Error history Display/erase anomaly data Reset periodical check Saving IU settings Special Erase IU address Settings CPU reset Restore of default setting Touch panel calibration				0	0		
Error history Display/erase anomaly data Reset periodical check Saving IU settings Special Erase IU address Settings CPU reset Restore of default setting Touch panel calibration		Maintenance	Next ser	0	×		
display Display/erase anomaly data Reset periodical check			Operation	0	×		
Saving IU settings X				Error history	0	0	
Saving IU settings			display	Display/erase anomaly data	0	×	
Special settings Erase IU address × CPU reset Restore of default setting × Touch panel calibration				Reset periodical check	0	0	
séttings CPU reset CPU reset Restore of default setting X Touch panel calibration CPU reset CPU			Saving I	U settings	0	×	
Restore of default setting \bigcirc × Touch panel calibration \bigcirc \bigcirc			Special	Erase IU address	0	×	
Restore of default setting \bigcirc × Touch panel calibration \bigcirc \bigcirc			settings	CPU reset	0	0	
					0	×	
Indoor unit canacity display				Touch panel calibration	0	0	
I Indoor drift capacity display			Indoor u	0	×		

Advice: Connection to personal computer

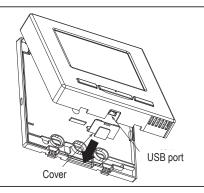
It can be set from a personal computer via the USB port (mini-B).

Connect after removing the cover for USB port of upper case.

Replace the cover after use.

Special software is necessary for the connection.

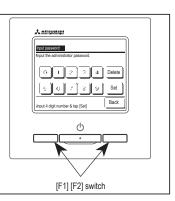
For details, view the web site.



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.



(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.
- Make sure the power source is turned off when electric wiring work.
 Otherwise, electric shock, malfunction and improper running may occur.



ACAUTION

- 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 remote control without the upper case.

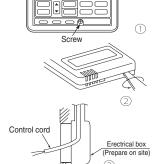
In case the upper cace needs to be detached, protect the remote control with a packaging box or bag in order to keep it away from water and dust.



Accessories	Remote control, wood screw (ø3.5×16) 2 pieces
Prepare on site	Remote control cord (2 cores) the insulated thickness in 1mm or more.
	[In case of embedding cord] Erectrical box, M4 screw (2 pieces)
	[In case of exposing cord] Cord clamp (if needed)

Installation procedure

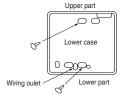
- Open the cover of remote control, and remove the screw under the buttons without fail.
- ② Remove the upper case of remote control. Insert a flat-blade screwdriver into the dented part of the upper part of the remote control, and wrench slightly.

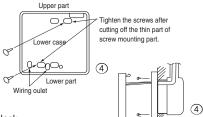


[In case of embedding cord]

3 Embed the erectrical box and remote control cord beforehand.

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

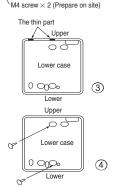




- © Connect the remote control cord to the terminal block. Connect the terminal of remote control (X,Y) with the terminal of indoor unit (X,Y). (X and Y are no polarity)
- Install the upper case as before so as not to catch up the remote control cord, and tighten with the screws.

[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.

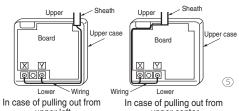


S Connect the remote control cord to the terminal block.

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

(X and Y are no polarity)

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



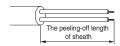
upper left upper center

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
Y wiring: 195mm	Y wiring: 190mm



- 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

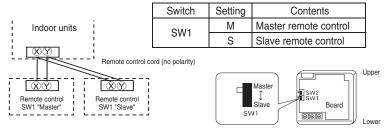
- ① Wiring of remote control should use 0.3mm² × 2 cores wires or cables. (on-site configuration)
- 2 Maximum prolongation of remote control wiring is 600 m.

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.

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: " ⑤WAIT⑤ M" Slave remote control: " ⑤WAIT⑤ S"

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

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



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

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



The range of temperature setting

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

Heating: 16-30°C (55-86°F)

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

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

Upper limit setting: valid during heating operation. Possible to set in the range of 20 to 30°C (68 to 86°F). Lower limit setting: valid except heating (automatic, cooling, fan, dry) Possible to set in the range of 18 to 26°C (62 to 70°C).

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.

 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.

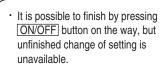
How to set upper and lower limit value

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

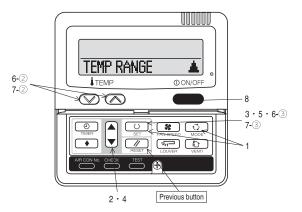
The indication changes to "FUNCTION SET ▼".

- 2. Press ▼ button once, and change to the "TEMP RANGE ▲ " indication.
- 3. Press (SET) button, and enter the temperature range setting mode.
- 4. Select "UPPER LIMIT ▼" or "LOWER LIMIT ▲" by using ▲ ▼ button.
- 5. Press (SET) button to fix.
- 6. When "UPPER LIMIT ▼" is selected (valid during heating)
 - ① Indication: " $\begin{tabular}{l} \begin{tabular}{l} \begin{tabular$
 - ② Select the upper limit value with temperature setting button $\boxed{\lor}$ $\boxed{\land}$. 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 **\(\Lambda \)**" is selected (valid during cooling, dry, fan, automatic)
 - ① Indication: " \bigcirc $\lor \land$ SET UP" \rightarrow "LOWER 18°C \land "
 - ② Select the lower limit value with temperature setting button ☑ △. Indication example: "LOWER 24°C ∨ ∧" (blinking)
 - ③ Press (SET) button to fix. Indication for example: "LOWER 24°C" (Displayed for two seconds)

 After the fixed lower limit value displayed for two seconds, the indication will return to "LOWER LIMIT ▼".
- 8. Press ON/OFF button to finish.



During setting, if you press (RESET) button, you return to the previous screen.



The functional setting

The initial function setting for typical using is performed automatically by the indoor unit connected, when remote control and indoor unit are connected. As long as they are used in a typical manner, there will be no need to change the initial settings. If you would like to change the initial setting marked "O", set your desired setting as for the selected item. The procedure of functional setting is shown as the following diagram.

[Flow of function setting] Record and keep the setting

| Flow of function setting|
| Start : Stop air-conditioner and press ** _ * (SET) and ** _ * * (SET) and ** _ * * (SET) and ** _ * (SET) and * Consult the technical data etc. for each control details Stop air-conditioner and press

O. (SET) + O. (MODE) buttons at the same time for over three seconds.

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

Function No.	Item	Default	Model		
Remote control	AUTO RUN SET	AUTO RUN ON	"Auto-RUN" mode selectable indoor unit.		
function02		AUTO RUN OFF	Indoor unit without "Auto-RUN" mode		
Remote control	SETFAN SPEED SW	⇔ ভ VALID	Indoor unit with two or three step of air flow setting		
function06		⊕ SSEI INVALID	Indoor unit with only one of air flow setting		
Remote control	□ LOUVER SW	&⊡ VALID	Indoor unit with automatically swing louver		
function07		& INVALID	Indoor unit without automatically swing louver		
Remote control	I/U FAN	HI-MID-LO	Indoor unit with three step of air flow setting		
function13		HI-LO	Indoor unit with two step of air flow setting		
		HI-MID			
		1 FAN SPEED	Indoor unit with only one of air flow setting		
Remote control	MODEL TYPE	HEAT PUMP	Heat pump unit		
function15		COOLING ONLY	Exclusive cooling unit		

Note 3: As for plural indoor unit, set indoor functions to each master and slave indoor unit.

But only master indoor unit is received the setting change of indoor unit function "05 EXTERNAL INPUT" and "06 PERMISSION / PROHIBISSION".

		FUNCTION SET ▼											
0N ▼ (Remote control function	on)		(Indoor unit function)	Indo I/U FUNCTION ▲ plura		No. are indicated only who r units are connected.	n		setting of "HI n tan		oor unit air flow se	etting	
	on		(indoor driit idriction)	170 TORGITOR & PIGIC		Function		Far	n tap	रता - रता - रता - रता	श्चा - श्वा - श्वा	241-240	8ati -
Function O1 PODESPSE SE	etting			I/U000 A	*	02 FAN SPEED SET	setting STANDARD *	FAN	STANDARD	UH - Hi - Me - Lo	Hi - Me - Lo	Hi - Lo	Hi - I
5	ØØĒSP WALD I	○ Validate setting of ESP:Exte	ernal Static Pressure	I/U002 0			HEGH SPEED 1 **	SPEED	HIGH	UH - UH - Hi - Me	UH - Hi - Me	UH - Me	UH-
02 AUTO RUN SET	€21@3 ESP INVALID	Invalidate setting of ESP		I/U003 Φ	,	03 FILTER SIGN SET	HIGH SPEED 2	Initial function	SPEED1, 2	some indoor unit is "HIGH		011 1110	0
AL	JTO RUN ON	*				00 1101010101001	INDICATION OFF				SPEED".		
03 DEMPSW	UTO RUN OFF	Automatical operation is imp					TYPE 1 O	The filter sign i	is indicated at	ter running for 180 hours. ter running for 600 hours.			
<u>8</u>	VALID VALID	<u> </u>	Taxon .	et other indoor unit, pre CON No. button, which			TYPE 3 TYPE 4	The filter sign i	is indicated at	ter running for 1000 hours ter running for 1000 hours	than the indeer up	it will be eten	ned by
NA ISSI MODE SW		Temperature setting button		ws you to go back to the			111124	compulsion aft	ter 24 hours.			it will be stop	ped by
<u> </u>	o답 VALID o답 INVALID	Mode button is not working		selection screen		04 ≂POSITION	٦	If you change t	the indoor fun	ction "04 등급 POSITION e control function "14 등급	", POSTTION" accordi	nalv	
05 ① ON/OFF SW	Φ VALID	- Woode button is not working	(tor	example: I/U 000 ▲).			4POSITION STOP O	You can select	t the louver st	op position in the four.	TOOTTON BOODIN	igiy.	
E	5Φ VALIU 5Φ INVALID	On/Off button is not working	1			05 EXTERNAL INPUT		The louver can	n stop at any p	position.			
06 SELFAN SPEED SW		*					LEVEL INPUT O						
	SSE INVALID	Fan speed button is not wo	rking			06 INSWITH ASSESSION ARROHDE LITTLE		1					
07 🖾 LOUVER SW	VALID	w '					INVALID O	Pormission/ore	abibition contr	ol of operation will be valid			
[E	INVALID	Louver button is not working	9		*	07 EMERGENCY STOP		i emission/pro	JIIIDIDON CON	or or operation will be valid			
08 @ TIMER SW	TOT VALID.	0					INVALID O	With the VDE	earine it is us	ed to stop all indoor units	connected with the	cama outdoor	unit imm
	Ø VALID Ø INVALID	Timer button is not working						When stop sign	nal is inputed	from remote on-off termin	al "CNT-6", all indo	or units are st	opped im
09 SENSOR SET	SENSOR OFF	Remote thermistor is not working											
	SENSOR ON SENSOR +3.05	Remote thermistor is working. Remote thermistor is working, an		2 O'C increase in towns			OFFSET +3.0% OFFSET +2.0%	To be reset for	r producing +	3.0°C increase in temperate 2.0°C increase in temperate	ure during heating.		
	SENSOR +2.0°c	Remote thermistor is working, an	d to be set for producing +	2.0°C increase in temperatu	e. »	08 * SP OFFSET	OFFSET +1.0%	To be reset for	r producing +2 r producing +1	2.0 C increase in temperal 1.0 C increase in temperal	ure during neating. ure during heating.		
	SENSOR + 1.0% SENSOR - 1.0%	Remote thermistor is working, an Remote thermistor is working, an	d to be set for producing + d to be set for producing -	 1.0°C increase in temperatu 1.0°C increase in temperatur 	'e. e.		NO OFFSET	-					
	SENSOR -2.0%	Remote thermistor is working, an	d to be set for producing -:	2.0°C increase in temperatur	9.		OFFSET +2.0%	To be reset pro	oducing +2.0°	C increase in return air ter	nperature of indoor	unit.	
10 AUTO RESTART	SENSOR -3.0%	Remote thermistor is working, an	a to be set for producing -	3.0 G increase in temperatur	B. *	09 RETURN AIR TEMP	OFFSET +1.5% OFFSET +1.0%	To be reset pro	oducing +1.5° oducing +1.0°	C increase in return air ter C increase in return air ter	nperature of indoor nperature of indoor	unit. unit.	
4 <u>II</u>	NVALID ALID	0					NO OFFSET	i i					
11 VENT LINK SET							OFFSET - 1.0% OFFSET - 1.5%			C increase in return air ten C increase in return air ten			
NC) VENT	In case of Single split series.	by connecting ventilal	tion device to CNT of the		10 * FAN CONTROL	OFFSET -2.0%	To be reset pro	oducing -2.0°(C increase in return air ten	perature of indoor	unit.	
ur	ENT LINK	indoor printed circuit board (in case of VRF series,	by connecting it to CND	of the	I D I SK LHW POW LKOF	LOW FAN SPEED	When heating	thermostat is	OFF, fan speed is low spe	ed.		
	THI LINK	indoor printed circuit board), operation of indoor unit.	the operation of venti	lation device is linked wit	h the		SET FAN SPEED	When heating	thermostat is	OFF, fan speed is set spe	ed.		
l		In case of Single split series, by	connecting ventilation devi	ce to CNT of the indoor print	ed		INTERMITTENCE			OFF, fan speed is operate	ed intermittently.		
	O VENT LINK	circuit board (in case of VRF seri board), you can operate /stop th					FAN OFF	When the rema	ote thermistor	OFF, the fan is stopped. is working, "FAN OFF" is	set automatically.		
12 TEMP RANGE SET		- '`						Do not set "FA	N OFF* when	the indoor unit's thermist	or is working.		
	IDN CHANGE	If you change the range of s will vary following the contro		ication of set temperatur	e *	11 FROST PREVENTION TEMP		Change of indo	oor heat exch	anger temperature to start	frost prevention co	ntrol.	
NO.) INDN CHANGE	If you change the range of s	et temperature, the ind		е		TEMP HIGH TEMP LOW	-					
13 I/U FAN		will not vary following the co					IIII LOW O	1					
	-MID-LO	 Air flow of fan becomes the th Air flow of fan becomes the 			₩.UJ.≯	12 FROST PREVENTION CONTROL	FAN CONTROL ON	Working only v To control frost	with the Single t prevention.	e split series. the indoor fan tap is raised	ı		
HI	-MID	Air flow of fan becomes the	two speed of \$ and - \$ and	ō.		13 IDRAIN PUMPLINK	FAN CONTROL OFF						
_	THM OF DED	Air flow of fan is fixed at one		DOOTTON B	*	119 TOLVUTUL COUL CTUK	80 0	Drain pump is	run during co	oling and dry.			
14 ≒≂POSITION		If you change the remote con you must change the indoor					© O AND W © O AND W AND ®	Drain pump is	run during co	oling, dry and heating. oling, dry, heating and fan			
4	POSITION STOP	 You can select the louver st 	op position in the four.			I w rau re	© O AND N			oling, dry, neating and lan oling, dry and fan.			
15 MODEL TYPE	EE STOP	The louver can stop at any p	osition.		*	14 © FAN REMAINING	NO REMAINING 🔘	After cooling is	s stopped is C	FF, the fan does not perfo	rm extra operation		
HE	AT PUMP TOLLING ONLY	* * * * * * * * * * * * * * * * * * *					0.5 HOUR 1 HOUR	After cooling is	s stopped is C	FF, the fan perform extra	operation for half ar	hour.	
16 EXTERNAL CONTROL SET	JOLENS UNLT						6 HOUR	After cooling is	s stopped is C s stopped is C	FF, the fan perform extra FF, the fan perform extra	operation for an hoi operation for six ho	urs.	
II	DIVIDUAL	 If you input signal into CnT indoor unit will be operated 	of the indoor printed c	ircuit board from externa	l, the ≯	15 * FAN REMAINING	IND REMAINING C						naratia-
E	OR ALL UNITS	If you input into CNT of the ind	loor printed circuit board	from external, all units wh	ich	1	0.5 HOUR	After heating is	s stopped or h	neating thermostat is OFF, neating thermostat is OFF,	the fan perform extr	a operation for	or half an
17 ROOM TEMP INDOCATION SET		connect to the same remote co	ontrol are operated acco	rding to the input from exte	ernal.		2 HOUR 6 HOUR			neating thermostat is OFF, neating thermostat is OFF,			
IN	IDICATION OFF IDICATION ON	In normal weeking india-41	indoor unit townson	o in indicated instance - f -	ir flow	16 * FAN INTERMITTENCE	IND REMAINTING CO.	1		J			
_	ED TO HIT LUN UN	In normal working indication, (Only the master remote co.			II IIOW.		NU REMAINING C	During heating	is stopped o	r heating thermostat is OF	F, the fan perform in	ntermittent op	eration fo
18 **SINDICATION IN	IDICATION ON	——————————————————————————————————————		,						nty minutes' OFF. r heating thermostat is OF	F. the fan perform in	ntermittent on	eration fo
II.	IDICATION OFF	Heating preparation indicati	on should not be indic	ated.			SminOFF SminON	with low fan sp			, un pondiii ii	писти орг	
19 6/F SET					*	17 PRESSURE CONTROL	STANDARD **	1					
		 Temperature indication is br 	v degree C					10	A December	tana tahun menganian			
ें							TAbe) *	Connected U	A Flucessing	type indoor unit, and is a	atomatically defined		
b F		Temperature indication is b		[ON/OFF] buttor	_		[TYPE) X	Connected 'Or	A FIOURSSING	type indoor unit, and is a	tomatically defined		

How to set function

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

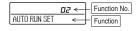


- 2. Press (SET) button.
- Make sure which do you want to set, "☐ FUNCTION ▼" (remote control function) or "I/U FUNCTION ▲" (indoor unit function).
- Press ▲ or ▼ button.
 Selecct [®] FUNCTION ▼ " (remote control function) or "I/U FUNCTION ▲ " (indoor unit function).

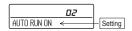


5. Press O (SET) button.

- 6. [On the occasion of remote control function selection]
 - "DATA LOADING" (Indication with blinking)
 ↓
 Display is changed to "01 ⑤☑AESP 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)



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



Press or button. Select the setting.



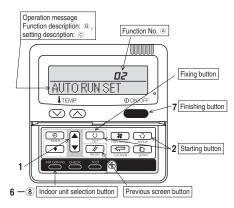
⑤ Press 〇 (SET)

"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.



 Press ON/OFF button. Setting is finished.



[On the occasion of indoor unit function selection]

 \bigcirc "DATA LOADING" (Blinking for 2 to 23 seconds to read the data) Indication is changed to "02 FAN SPEED SET". Go to \bigcirc .

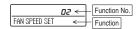
[Note]

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

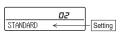


- (2) Press ▲ or ▼ button. Select the number of the indoor unit you are to set If you select "ALL UNIT ▼", you can set the same setting with all unites.
- (3) Press (SET) button.
- ② Press ▲ or ▼ button.

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



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



- ④ Press ▲ or ▼ button. Select the setting.
- © Press ()(SET) button.
 "SET COMPLETE" will be indicated, and the setting will be

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.



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

**

| All CON No. | Control | Con

- 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 ▼", 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

Setting & display item 1.Remote control network		isplay item	Description	RC-EX3A	RC-E5
1 Control plural indoor units by a single remote control		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 controls		ontrols	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 network. Set one to "Main" and the other to "Sub".		0
	P scrren, Switch manipulation	on			
	Menu Operation mode		"Control", "State", or "Details" can be selected. (3-8) "Cooling", "Heating", "Fan", "Dry" or "Auto" can be set.	0	-
	Set temp.		"Set temperature" can be set by 0.5°C interval.	Ö	ő
4	Air flow direction		"Air flow direction" [Individual flap control] can be set.	0	Δ
5 1	Fan speed		Select Enable or Disable for the "3D AUTO". "Fan speed" can be set.	0	0
	Timer setting		"Timer operation" can be set.	0	Ö
	ON/OFF		"On/Off operation of the system" can be done.	0	0
	F1 SW F2 SW		The system operates and is controlled according to the function specified to the F1 switch. The system operates and is controlled according to the function specified to the F2 switch.	0	_
	eful functions				
	ndividual flap control		The moving range (the positions of upper limit and lower limit) of the flap for individual flap can be set.		
	Anti draft setting When the panel with the anti	i-draft function is assembled.	When the panel with the anti draft function is assembled, select to Enable or Disable the anti draft setting for each operation mode and for each blow outlet.		
	Timer settings	Set On timer by hour	The period of time to start operation after stopping can be set. 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.	Δ	-
		Set Off timer by hour	The period of time to stop operation after starting can be set.	0	0
		Set On time also I. I.	• The period of set time can be set within range of 1hour-12houres (1hr interval).		\vdash
		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. [Once (one time only)] or [Everyday] operation can be switched. The operation mode, set temp and fan speed at starting operation can be set.	Δ	0
		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.	0	0
		Confirmation of timer settings	[Once (one time only)] or [Everyday] operation can be switched. Status of timer settings can be seen.	0	_
	Pavorite setting	,	Set the operation mode, setting temperature, air flow capacity and air flow direction for the choice setting operations.	0	_
- 12	Administrator password]		Set them for the Favorite set 1 and the Favorite set 2 respectively. On timer and Off timer on weekly basis can be set.		
3	Weekly timer		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 Home leave mode [Administrator password]		 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. 		_
	External Ventilation When the ventilator is combined.	ined.	On/Off operation of the external ventilator can be done. It is necessary to set from [Menu] ⇒ [Service setting] ⇒ [R/C function settings] ⇒ [Ventilation setting]. If the "Independent" is selected for the ventilation setting, the ventilator can be operated or stopped.	0	0
8 5	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	_
9 I	Look, look		Indoor temperature, outdoor temperature and power consumption are indicated.	Δ	_
	Power consumption indication	on	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. Administrator password	0	-
	ergy-saving setting 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 1	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 /	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. Filter		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	-
	Filter sign reset	Filter sign reset	The filter sign can be reset.		
\perp		Setting next cleaning date	The next cleaning date can be set.		
г	er setting internal settings	Clock setting	The current date and time can be set or revised. If a payor failure continues no longer than 90 hours, the clock continues to tick but he built in payor course.	0	_
		Date and time display	• If a power failure continues no longer than 80 hours, the clock continues to tick by the built-in power source. [Display] or [Hide] the date and/or time can be set, and [12H] or [24H] display can be set.	0	_
		Summer time	When select [Enable], the +1hour adjustment of current time can be set. When select [Disable], the [Summer time]	0	
		Contrast	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).	0	-
		Control sound	It can set with or without [Control sound (beep sound)] at touch panel.	0	_
- 1		Operation lamp luminance	This is used to adjust the luminance of operation lamp.		-

Setting & display item		Description	RC-EX3A	RC-E5
2 Administrator settings [Administrator password]	Permission/Prohibition setting	Pormission/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 R/C display setting	Ways of displaying setting temperatures can be selected. Register [Room name] [Name of I/U]	0	0
	is a display seaming	Display [Indoor temp. display] or not. 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			
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 information] 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 Cooling test run	On/Off operation of the test run can be done. The [Cooling test run] can be done at 5°C of set temp. for 30 minutes.	0	0
	Drain pump test run Static pressure adjustment	Only drain pump can be operated. In case of combination with only the ducted indoor unit which has a function of static pressure adjustment, the static		
	Static pressure adjustment	pressure is adjustable.		-
	Change auto-address	It can be set for each indoor unit individually. The set address of each indoor unit decided by auto-address setting method can be changed to any other address.		_
	Address setting of main IU	Main indoor unit address can be set. 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.	Set Enable or Disable for the infrared sensor detectors of indoor units connected to the remote control. If Disable is selected, it cannot be control the infrared sensor control for the energy-saving setting.	0	_
	Grill lifting operation	Set enable for automatic lifting panel operation. 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 R/C sensor adjustment	It can be set the mode to switch to the remote control sensor. It can be selected from cooling and heating. The offset value of [R/C sensor] sensing temp, can be set respectively in heating and cooling.	0	Δ
	Operation mode	Enable or Disable can be set for each operation mode.	Ö	Δ
	°C / °F	Set the unit for setting temperatures. • °C or °F can be selected.	0	0
	Fan speed External input	Fan speeds can be selected. When two or more indoor units are connected to one unit of remote control, the range to apply CnT inputs can be set.	0	- 0
	Upper/lower flap control	[Stop at fixed position] or [Stop at any position] can be selected for the upper and lower lowers.	Ö	0
	Left/right flap control	[Fixed position stop] or [Stop at any position] can be selected for the right and left louvers.	0	- 0
	Ventilation setting Auto-restart	Combination control for ventilator can be set. 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.	0	-
3 IU settings	Auto fan speed Fan speed setting	[Enable] or [Disable] of [Auto fan speed] can be selected. The fan speed for indoor units can be set.	0	_
	Filter sign	The setting of filter sign display timer can be done from following patterns.		_
[Service password]	External input 1 External input 1 signal	The connect of control by external input 1 can be changed. The type of external input 1 signal can be changed.	Δ	Δ
	External input 1 signal 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.		_
	Return temperature adjustment	The judgement temp. of heating themo-off can be adjusted within the range from $0 \text{ to } +3^{\circ}\text{C} \text{ (1}^{\circ}\text{C} \text{ interval)}$. The sensing temp. of return air temp, sensor built in the indoor unit can be adjusted within the range of $\pm 2^{\circ}\text{C}$.		
	Fan control in cooling thermo-OFF	Fan control, when the cooling thermostat is turned OFF, can be changed.		
		Fan control, when the heating thermostat is turned OFF, can be changed. Judgment temperature for the anti-frost control during cooling can be changed.	Δ	Δ
	Anti-frost temp. Anti-frost control	When the anti-frost control of indoor unit in cooling is activated, the fan speed can be changed.		
	Drain pump operation Keep fan operating after cooling is stopped	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.		
	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	The fan operation rule following the residual fan operation after stopping or themo-off in heating mode can be set. In case that the fan is operated as the circulator, the fan control rule can be set.		<u> </u>
	Control pressure adjust	When only the OA processing units are operated, control pressure value can be changed.		
	Auto operation mode Thermo. rule setting	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		<u> </u>
	Auto fan speed control	Auto switching range for the auto fan speed control can be set.		
	IU overload alarm	If the difference between the setting temperature and the suction temperature becomes larger than the temperature difference set for the overload alarm, at 30 minutes after the start of operation, the overload alarm signal is transmitted from the external output (CnT-5).	0	-
1	External output setting *1	Functions assigned to the external outputs 1 to 4 can be changed.	Δ	-

Setting & d	Setting & display item		Description	RC-EX3A	RC-E5
4 Service & Maintenance IU address [Service password]		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	-
	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	-
	Op	eration data	The [Operation data] for indoor unit and outdoor unit can be displayed.	0	0
	En	ror display			
		Error history	The error history can be displayed.		
	Display anomaly data Erase anomaly data		The operation data just before the latest error stop can be displayed.	0	Δ
			Anomaly operation data can be erased.		
		Reset periodical check	The timer for the periodical check can be reset.		
	Sa	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	_
	Sp	ecial settings	[Erase IU address] [CPU reset] [Restore of default setting] [Touch panel calibration]	0	Δ
	Inc	loor 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	Confirmation of Inspection		This is displayed when any error occurs.		-
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)

* When RC-EX3A is connected, please use SC-BIKN2-E by all means.

RKZ012A099

Accessories included in package

Be sure to check all the accessories included in package.

No.	Part name	Quantity
1	Indoor unit's connection cable (cable length: 1.8m)	1
2	Wood screws (for mounting the interface: ø4x 25)	2
3	Tapping screws (for the cable clump and the interface mounting bracket)	3
4	Interface mounting bracket	1
(5)	Cable clamp (for the indoor unit's connection cable)	1
6	CnT terminal connection cable (total cable length: 0.5m)	1

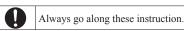
Safety precautions

Before use, please read these Safety precautions thoroughly before installation

 All the cautionary items mentioned below are important safety related items to be taken into consideration, so be sure to observe them at all times.

⚠Warning Incorrect installation could lead to serious consequences such as death, major injury or environmental destruction.

Symbols used in these precautions



After completed installation, carry out trial operation to confirm no anomaly, and ask the
user to keep this installation manual in a good place for future reference.



- ●Installation must be carried out by a qualified installer.
- If you install it by yourself, it may cause an electric shock, fire and personal injury, as a result of a system malfunction.
- Install it in full accordance with the installation manual.

Incorrect installation may cause an electric shock, fire and personal injury.

• Electrical work must be carried out by a qualified electrician in accordance with the technical standard for electrical equipment, the indoor wiring standard and this installation manual.

Incorrect installation may cause an electric shock, fire and personal injury.

- Use the specific cables for wiring. And connect all the cables to terminals or connectors securely and clamp them with cable clamps in order for external forces not to be transmitted to the terminals directly.
- Incomplete connection may cause malfunction, and lead to heat generation and fire.

 Use the original accessories and specified components for installation.

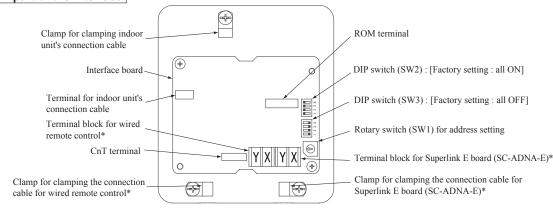
If the parts other than those prescribed by us are used, it may cause an electric shock, fire and sersonal injury.

Connecting the indoor unit's connection cable to the interface

- ①Remove the upper case of the interface.
 - Remove 2 screws from the interface casing before removal of upper casing.
- ②Connect the indoor unit's connection cable to the interface.
 - Connect the connector of the indoor unit connection cable to the connector on the interface's circuit board.
- ③Fix the indoor unit's connection cable with the cable clamp.
 - Cable can be brought in from the top or from the back.
- Cut out the punch-outs for the connection cables running into the casing with cutter.
- (4) Connect the indoor unit's connection cable to the indoor control PCB.
 - Connect the indoor unit's connection cable to the indoor control PCB securely.
 - Clamp the connection cable to the indoor control box securely with the cable clamp provided as an accessory.
 - Regarding the cable connection to the indoor unit, refer to the installation manual for indoor unit.

TRemove the upper case

Name of each part of the interface



*Either the connection cables of Superlink E board (SC-ADNA-E) or of wired remote control is connectable.

Switch	Setting	Function	Switch	Setting	Function
SW2-1	ON**	CnT level input	SW2-3	ON**	External input (CnT input)
3 W 2-1	OFF	CnT pulse input	3 W 2-3	OFF	Operation permission/prohibition (CnT input)
SW2-2	ON**	Wired remote control : Enable	SW2-4	ON**	Annual cooling : Enable***
SW 2-2	OFF	Wired remote control : Disable	3 W 2-4	OFF	Annual cooling : Disable***

^{**} Factory setting

*** Indoor fan control at low outdoor air temperature in cooling

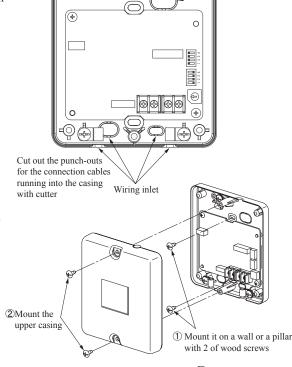
Wiring inlet

Installation of the interface

- Install the interface within the range of the connection cable length (approximately 1.3m) from the indoor unit.
- Be sure not to extend the connection cable on site. If the connection cable is extended, malfunction may occur.
- Fix the interface on the wall, pillar or the like.
- Don't install the interface and wired remote control at the following places.
 - OPlaces exposed to direct sunlight
 - OPlaces near heating devices
 - OHigh humidity places
 - OSurfaces where are enough hot or cold to generate condensation
 - OPlaces exposed to oil mist or steam directly
 - OUneven surface

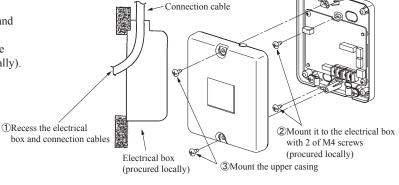
Mounting the interface directly on a wall

- ①Mount the lower casing of the interface on a flat surface with wood screws provided as standard accessory.
- 2 Mount the upper casing.



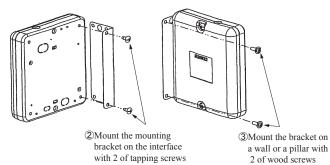
Recessing the interface in the wall

- ①Recess the electrical box (procured locally) and connection cables in the wall.
- ②Mount the lower casing of the interface to the electrical box with M4 screws (procured locally).
- 3 Mount the upper casing.



Mounting the interface with the mounting bracket

- 1) Mount the upper casing.
- ②Mount the mounting bracket to the interface with tapping screws provided as standard accessory.
- 3Mount the mounting bracket on wall or the like with wood screws provided as standard accessory.



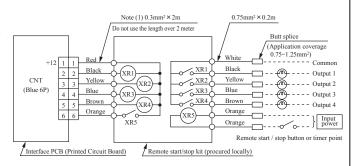
Installation check items

- ☐ 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?

Functions of CnT connector

It is available to operate the air-conditioner and to monitor the operation status with the external control unit (remote display) by sending the input/output signal through CnT connector on the indoor control PCB.

- ①Connect a external remote control unit (procured locally) to CnT terminal.
- ②In case of the pulse input, switch OFF the DIP switch SW2-1 on the interface PCB.
- When setting operation permission/prohibition mode, switch OFF the DIP switch SW2-3 on the interface PCB.

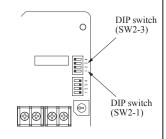


Input/	F 4	Output	signal	0.1.1
Output	Function	Relay	ON/OFF	Content
Output 1	Operation output	XR1	ON	During air-conditioner operation
Output 2	Heating output	XR2	ON	During heating operation
Output 3	Compressor operation output	XR3	ON	During compressor running
Output 4	Malfunction output	XR4	ON	During anomalous stop

- •XR₁₋₄ are for the DC 12V relay
- XR5 is a DC 12/24V or AC 220-240V relay
- ●CnT connector (local) maker, model

Connector	Molex	5264-06
Terminals	Molex	5263T

Input/			SW2-1	SW2-3				Air-	Operation by	
Output	Function	Setting		Setting	Input signal		Content	conditioner	remote control	
Output			Setting	Setting	Level/Pulse	XR5	Content	Conditioner	Temote control	
		ON*		OFF→ON	External input	ON				
		ON*	Level input	ON*	Level	ON→OFF	External input	OFF	Allowed	
		OIV	Level input	OFF		OFF→ON	Operation permission	OFF		
Input	External control					ON→OFF	Operation prohibition	OFF	Not allowed	
	input			ON*	D 1	OFF ON	E (1: (OFF→ON		
0	OFF	Pulse input	ON*	Pulse	OFF→ON	External input	ON→OFF	Allowed		
	Of 1 I talse inpu	i disc input	OFF	Level	OFF→ON	Operation permission	ON			
			Orr	revei	ON→OFF	Operation prohibition	OFF	Not allowed		
				* F /						



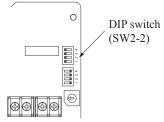
In case of the remote control (RC-EX3 or later model), the external outputs (1-4) and the external input can be changed using the function setting of remote control. For the setting method, refer to the installation manual. Also refer to the technical manual to know how it is adapted to the function setting for the external outputs and input, at the indoor unit side.

Connection of Superlink E board

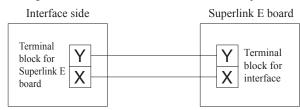
Regarding the connection of Superlink E board, refer to the installation manual of Superlink E board. For electrical work, power source for all of units in the Superlink system must be turned OFF.

①Switch ON the DIP switch SW2-2 (Factory setting: ON) on the interface PCB.

Caution: Wireless remote control attached to the indoor unit can be used in parallel, after connecting the wired remote control. However, some of functions other than the basic functions such as RUN/STOP, temperature setting, etc. may not work properly and may have a mismatch between the display and the actual behavior.



②Wiring connection between the interface and the Superlink E board.



(3) Clamp the connection cables with cable clamps.

No.	Names of recommended signal wires
1	Shielded wire
2	Vinyl cabtyre round cord
3	Vinyl cabtyre round cable
4	Vinyl insulated wire vinyl sheathed cable for control

^{*} Factory setting

_DIP switch

(SW2-2)

0

Connection of wired remote control

Regarding the connection of wired remote control, refer to the installation manual of wired remote control. ①Switch ON the DIP switch SW2-2 (Factory setting: ON) on the interface PCB.

Caution: Wireless remote control attached to the indoor unit can be used in parallel, after connecting the wired remote control. However, some of functions other than the basic functions such as RUN/STOP, temperature setting, etc. may not work properly and may have a mismatch between the display and the actual behavior.

②Wiring connection between the interface and the wired remote control.

Installation and wiring of wired remote control

- (A) Install the wired remote control with reference to the attached installation manual of wired remote control.
- $\bigcirc 0.3$ mm² \times 2 cores cable should be used for the wiring of wired remote control.
- © Maximum length of wiring is 600m.

If the length of wiring exceeds 100m, change the size of cable as mentioned below.

100m-200m: $0.5\text{mm}^2\times2$ cores, 300m or less: $0.75\text{mm}^2\times2$ cores, 400m or less: $1.25\text{mm}^2\times2$ cores, 600m or less: $2.0\text{mm}^2\times2$ cores However, cable size connecting to the terminal of wired remote control should not exceed 0.5mm^2 . Accordingly if the size of connection cable exceeds 0.5mm^2 , be sure to downsize it to 0.5mm^2 at the nearest section of the wired remote control and waterproof treatment should be done at the connecting section in order to avoid contact failure.

- Don't use the multi-core cable to avoid malfunction.
- (E) Keep the wiring of wired remote control away from grounding (Don't touch it to any metal frame of building, etc.).
- © Connect the connection cables to the terminal blocks of the wired remote control and the interface securely (No polarity).
- 3 Clamp the connection cables with cable clamps.

Control of multiple units by a single wired remote control

Multiple units (up to 16) can be controlled by a single wired remote control. In this case, all units connected with a single wired remote control will operate under the same mode and same setting temperature.

- (1)Connect all the interface with 2 cores cables of wired remote control line.
- ②Set the address of indoor unit for remote control communication from "0" to "F" with the rotary switch SW1 on the interface PCB.
- ③After turning the power ON, the address of indoor unit can be displayed by pressing AIR CON No. button on the wired remote control.

 Make sure all indoor units connected are displayed in order by pressing

 or □ button.

Master/Slave setting wired when 2 of wired remote control are used

Maximum two wired remote control can be connected to one indoor unit (or one group of indoor units)

①Set the DIP switch SW1 on the wired remote control to "Slave" for the slave remote control. (Factory setting: Master)

O Caution: Remote control sensor of the slave remote control is invalid.

• When using the wireless remote control in parallel with the wired remote control; Since temperature setting range of wired remote control is different from that of wireless remote control, please adjust the setting range of wired remote control to be the same setting range of wireless remote control by following procedure. (The set temperature may not be displayed correctly on the wireless remote control, unless change of temperature setting range is done.)

Changing procedure of temperature setting range is as follows.

How to set upper and lower limit of temperature setting range

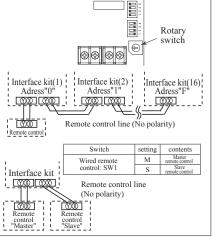
- Stop the air-conditioner, and press (SET) and (MODE) button at the same time for 3 seconds or more.
 - The indication changes to "FUNCTION SET ▼'
- 2. Press **_** button once, and change to the "TEMP RANGE **_**" indication.
- 3. Press (SET) button, and enter the temperature range setting mode.
- 4. Confirm that the "Upper limit ▼" is shown on the display.
- 5. Press (SET)button to fix.
- 6. (1)Indication: "⟨¬ ∨ ∧ SET UP"→"UPPER 28°C ∨ ∧"
 - ②Select the upper limit value 30°C with temperature setting button △."UPPER30°C \lor " (blinking)
 - ③Press (SET) button to fix. "UPPER 30°C" (Displayed for two seconds)

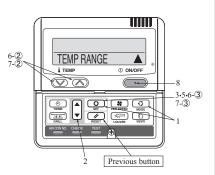
 After the fixed upper limit value displayed for two seconds, the indication will returm to "UPPER LIMIT ▼".
- Press button once, "LOWER LIMIT "is selected, press (SET) button to fix. Indication: " \(\bar{C} \vee \wedge \wedge
 - ②Select the lower limit value 18°C with temperature setting button ☑."LOWER18°C ∧"
 (blinking)
 - ③Press (SET) button to fix. "LOWER 18°C" (Displayed for two seconds)

 After the fixed lower limit value displayed for two seconds, the indication will returm to "LOWER LIMIT▼"
- 8. Press ON/OFF button to finish.

Temperature setting range

Mode	Temperature setting range
Cooling, Heating, Dry, Auto	18-30℃





- It is possible to quit in the middle by pressing ON/OFF button, but the change of setting is incompleted.
- During setting, if pressing (RESET) button, it returns to the previous screen.

(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

Safety precautions

- Carefully read "Safety precautions" first. Follow the instructions for installation.
- Precautions are grouped into "Warning 🛆 " and "Caution 🖈". The "Warning 🛆 " group includes items that may lead to serious injury or death if not observed. The items included in the "Caution\(\triangle\) 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
- customer, it may result in electric shock or fire.

 Install the device carefully following the installation instruction. If the device is
- incorrectly installed, it may result in electric shock or fire.

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

. 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
 - 4.Where flammable volatile materials such as paint thinner and gasoline may exist or where they are handled. This may cause a fire.

1 Application

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

Accessories

SL E board	Metal box	Metal cover	Screw for ground
	[0]	· ·	M4×8 2 pieces
Pan head screws	Locking supports	Binding band	Grommet
ø4×8 2 pieces	To secure the print board and the metal box Made of nylon 4 pieces	8	

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

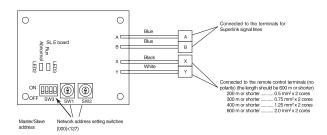
Settings can be changed by the DIP switch SW3 on the SL E board as in the

Switch	Symbol	Switch	Remarks		
2 SW3	1	ON	Master		
	ı	OFF (default)	Slave		
		ON	Fixed previous protocol		
	OFF (default)	Automatic adjustment of Superlink protocol			
	0	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"		

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)



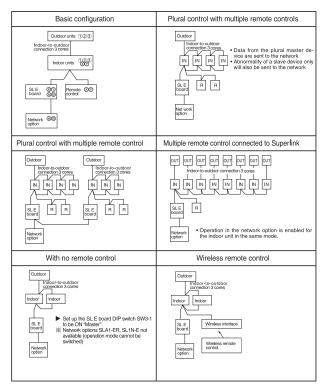
(*1) Whether the actual link is either the new Superlink or the previous Superlink depends on the models of the connected outdoor and indoor units. Consult the agent or the dealer.

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".

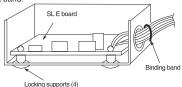
- Set the Superlink network address with SW1 (tens place), SW2 (ones place), and SW3 (hundreds place).
- (2) Set the SL E board SW3-1 to be ON (Master) when using this without any remote control (no wired remote controller nor wireless remote control).
- (3) Set up the plural master/slave device using 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):
- (1) Mount the SL E board in the metal box using the locking supports.
- (2) Wiring should go through the provided grommet since then through the wiring to the hole on the Metal box.

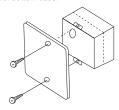
Secure the grommet after inserting the grommet into the Metal box as shown in below figure, then tie the wiring at the outlet of the unit using a binding band.



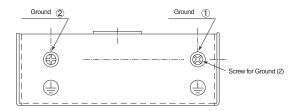
▲ When installed outside the indoor unit, put the metal cover on.



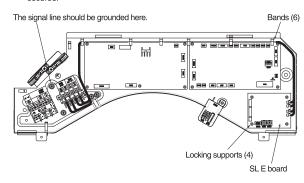
▲ When installed on the back of the remote control, mount it directly on the remote control bottom case.



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.



- 2. 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 boa	ard 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	

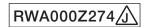
15. TECHNICAL INFORMATION

Model SRK20ZS-WF

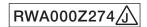
Information to identify the model(s) to	o which the informati	on relates to	0:	If function includes heating: Indicate t	the heating season	n the	
Indoor unit model name	SRK20ZS-W			information relates to. Indicated value			
Outdoor unit model name	SRC20ZS-W			heating season at a time. Include at le			erane'
Outdoor unit moder name	31(02023-4)				east the neating s	cason Av	craye.
				¬			
Function(indicate if present)				Average(mandatory)	Yes		
cooling	Yes			Warmer(if designated)	Yes		
heating	Yes			Colder(if designated)	No		
	•				•		
ltam	symbol	ualua	unit	lto m	symbol		alaaa
Item	Symbol	value	unit	ltem		value	class
Design load			_	Seasonal efficiency and energy efficiency	ency class		1
cooling	Pdesignc	2.00	kW	cooling	SEER	8.50	A+++
heating / Average	Pdesignh	2.60	kW	heating / Average	SCOP/A	4.60	A++
heating / Warmer	Pdesignh	3.30	kW	heating / Warmer	SCOP/W	5.80	A+++
_	-	0.00	_	11 -		0.00	7,111
heating / Colder	Pdesignh	-	kW	heating / Colder	SCOP/C		
							unit
Declared capacity at outdoor tempe	rature Tdesignh		_	Back up heating capacity at outdoor t	temperature Tdesi	gnh	_
heating / Average (-10°C)	Pdh	2.60	kW	heating / Average (-10°C)	elbu	-	kW
heating / Warmer (2°C)	Pdh	3.30	kW	heating / Warmer (2°C)	elbu	-	kW
heating / Colder (-22°C)	Pdh		kW	heating / Colder (-22°C)	elbu		kW
noding / Coldor (22 O)	1 011		j.c.r.	indusing / delicer (22 d)	Olbu		1
Designed associate for eaching at least		0)001		7 D		07/40\%0	
Declared capacity for cooling, at ind	oor temperature 27(1	9)°C and		Declared energy efficiency ratio, at in	door temperature	27(19)°C	and
outdoor temperature Tj			_	outdoor temperature Tj			_
Tj=35°C	Pdc	2.00	kW	Tj=35°C	EERd	4.55	-
Tj=30°C	Pdc	1.40	kW	Tj=30°C	EERd	6.80	7_
Tj=25°C	Pdc	1.00	kW	Tj=25°C	EERd	11.80	┪
1 *			-	11.1			
Tj=20°C	Pdc	1.00	kW	Tj=20°C	EERd	18.20	-
Declared capacity for heating / Aver-	age season, at indoo	r		Declared coefficient of performance /	Average season	at indoor	
temperature 20°C and outdoor temp				temperature 20°C and outdoor tempe			
Tj=-7°C	Pdh	2.40	kW	Tj=-7°C	COPd	2.50	7
'			-	1115			
Tj=2°C	Pdh	1.40	kW	Tj=2°C	COPd	4.70	
Tj=7°C	Pdh	0.95	kW	Tj=7°C	COPd	6.24	
Tj=12°C	Pdh	1.10	kW	Tj=12°C	COPd	7.80	-
Tj=bivalent temperature	Pdh	2.60	kW	Tj=bivalent temperature	COPd	2.20	٦_
1 '			_	11.			+
Tj=operating limit	Pdh	2.60	kW	Tj=operating limit	COPd	2.20	-
				1			
Declared capacity for heating / Warr	ner season, at indoor	r		Declared coefficient of performance /	Warmer season,	at indoor	
temperature 20°C and outdoor temp	erature Tj			temperature 20°C and outdoor tempe	rature Tj		
Tj=2°C	Pdh	3.30	kW	Ti=2°C	COPd	2.57	٦_
Tj=7°C	Pdh	2.10	kW	Tj=7°C	COPd	5.12	+
1 *			-	11.			
Tj=12°C	Pdh	1.10	kW	Tj=12°C	COPd	7.80	
Tj=bivalent temperature	Pdh	3.30	kW	Tj=bivalent temperature	COPd	2.57	
Tj=operating limit	Pdh	3.30	kW	Tj=operating limit	COPd	2.57	-
, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			-				'
De alema de anno situato a la cationa / Octob				Dealers described of sections of	0-14	t in deep	
Declared capacity for heating / Cold				Declared coefficient of performance /		Indoor	
temperature 20°C and outdoor temp	erature 1j		_	temperature 20°C and outdoor tempe	rature IJ		_
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		7 ₋
Tj=12°C	Pdh	-	kW	Tj=12°C	COPd	-	+
-		<u> </u>		111.		<u> </u>	- 1
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	-	-
Divolent termograture				Operating limit temperature			
Bivalent temperature			٦٥-	11 ' " '			70-
heating / Average	Tbiv	-10	°C	heating / Average	Tol	-10	°C
heating / Warmer	Tbiv	2	°C	heating / Warmer	Tol	2	_l°c
heating / Colder	Tbiv	-	°C	heating / Colder	Tol	-	°C
_							
0				0			
Cycling interval capacity			7	Cycling interval efficiency			7
for cooling	Pcycc	_	kW	for cooling	EERcyc		
for heating	Pcych	-	kW	for heating	COPcyc	-	-
Degradation coefficient				Degradation coefficient			
-	Cda	0.25	7	"	Cale	0.25	7
cooling	Cdc	0.25	-	heating	Cdh	0.25	-
Electric power input in power modes	other than 'active m	o <u>de'</u>	_	Annual electricity consumption			_
off mode	Poff	4	w	cooling	Qce	83	kWh/a
standby mode	Psb	4	w	heating / Average	Qhe	793	kWh/a
1			-				_
thermostat-off mode	Pto(cooling)	10	w	heating / Warmer	Qhe	797	kWh/a
	Pto(heatling)	11	w	heating / colder	Qhe	-	kWh/a
crankcase heater mode	Pck	0	W				
Capacity control(indicate one of three	e ontions)			Other items			
Supporty control(mulcate one of the	o options,				Luca	40	Japan.
				Sound power level(indoor)	Lwa	48	dB(A)
				Sound power level(outdoor)	Lwa	56	dB(A)
fixed	No			Global warming potential	GWP	675	_kgCO₂eq.
staged	No			Rated air flow(indoor)	-	558	m³/h
variable	Yes			Rated air flow(outdoor)	_	1644	m³/h
- Canada	162				-	.044	pii //ii
L		-					
-							
I			turer or of i	its authorised representative.			
	J) MHIAE SERVICES	S B.V.					
	J) MHIAE SERVICES Herikerbergweg 238,	S B.V. Luna Aren	A, 1101 CN	M Amsterdam, Netherlands. P.O.Box 233	93 1100 DW Ams	terdam, N	letherlands
	J) MHIAE SERVICES	S B.V. Luna Aren	A, 1101 CN	M Amsterdam, Netherlands. P.O.Box 233	93 1100 DW Ams	terdam, N	letherlands

Model SRK25ZS-WF

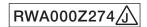
Information to identify the model(s) to	which the informat	ion relates	to:	If function includes heating: Indicate	the heating seaso	n the	
Indoor unit model name	SRK25ZS-V			information relates to. Indicated valu			
Outdoor unit model name	SRC25ZS-V			heating season at a time. Include at			erage'.
	•						
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 effic	iency class		
cooling	Pdesignc	2.50	kW	cooling	SEER	8.50	A+++
heating / Average	Pdesignh	2.70	kW	heating / Average	SCOP/A	4.70	A++
heating / Warmer	Pdesignh	3.30	kW	heating / Warmer	SCOP/W	5.90	A+++
heating / Colder	Pdesignh	-	kW	heating / Colder	SCOP/C	-	-
							unit
Declared capacity at outdoor temperat	•		7	Back up heating capacity at outdoor		ignh	1
heating / Average (-10°C)	Pdh	2.70	kW	heating / Average (-10°C)	elbu		kW
heating / Warmer (2°C)	Pdh	3.30	kW	heating / Warmer (2°C)	elbu	-	kW
heating / Colder (-22°C)	Pdh	-	kW	heating / Colder (-22°C)	elbu	-	kW
		1010-		16		07/40/0-	
Declared capacity for cooling, at indoo	or temperature 27(1	19)°C and		Declared energy efficiency ratio, at in	ndoor temperature	. 27(19)℃ a	and
outdoor temperature Tj			٦	outdoor temperature Tj			1
Tj=35°C	Pdc	2.50	kW	Tj=35°C	EERd	4.03	ļ ⁻
Tj=30°C	Pdc	1.80	kW	Tj=30°C	EERd	6.45	ļ ⁻
Tj=25°C	Pdc	1.11	kW	Tj=25°C	EERd	11.80	1
Tj=20°C	Pdc	1.10	kW	Tj=20°C	EERd	18.20	-
Designation in the control of the co		_		Dedocado militario		-4: 1	
Declared capacity for heating / Averag		r		Declared coefficient of performance		at indoor	
temperature 20°C and outdoor temperature 7°C	-	0.40	7,,,,,	temperature 20°C and outdoor and outdo		0.50	1
Tj=-7°C	Pdh Pdh	1.40	kW kW	Tj=-7°C	COPd COPd	2.50 4.92	Ť
Tj=2°C			+	Tj=2°C			1
Tj=7°C	Pdh	0.95	kW	Tj=7°C	COPd COPd	6.15	Ť
Tj=12°C	Pdh	1.10	kW	Tj=12°C		7.86	1
Tj=bivalent temperature	Pdh	2.70	kW	Tj=bivalent temperature	COPd	2.40	Ť
Tj=operating limit	Pdh	2.70	kW	Tj=operating limit	COPd	2.40	-
Declared associate for booking (Manage		_		Dealers described of sections	(18/	-41-4	
Declared capacity for heating / Warme temperature 20°C and outdoor temperature		Г		Declared coefficient of performance temperature 20°C and outdoor temperature 20°C and outdoor 20°C and 00°C an		at indoor	
Ti=2°C	Pdh	3.30	kW	Tj=2°C	COPd	2.70	1
Tj=7°C	Pdh	2.10	kW	Tj=7°C	COPd	5.23	1
Tj=12°C	Pdh	1.10	kW	T =12°C	COPd	7.86	-
⁻			kW				ľ
Tj=bivalent temperature	Pdh	3.30	kW	Tj=bivalent temperature	COPd	2.70	†
Tj=operating limit	Pdh	3.30	KVV	Tj=operating limit	COPd	2.70	1-
Declared capacity for heating / Colder temperature 20°C and outdoor temperature				Declared coefficient of performance temperature 20°C and outdoor temperature 20°C and outdoor and outdoor 20°C and outdoor 20°C and outdoor 20°C and 00°C an		It indoor	
Tj=-7°C	Pdh		kW	Tj=-7°C	COPd		1.
Tj=2°C	Pdh		kW	Tj=2°C	COPd	-	ſ
Tj=7°C	Pdh		kW	Tj=7°C	COPd		1
Tj=12°C	Pdh	<u> </u>	kW	Tj=12℃	COPd	<u> </u>	1
Tj=bivalent temperature	Pdh		kW	Tj=bivalent temperature	COPd		1.
Tj=operating limit	Pdh		kW	Ti=operating limit	COPd		ſ
Tj=-15°C	Pdh		kW	Tj=-15°C	COPd	-	ť.
1]- 10 0	i un		IKVV		0014		
Bivalent temperature				Operating limit temperature			
heating / Average	Tbiv	-10	l℃	heating / Average	Tol	-10]જ
heating / Warmer	Tbiv	2	°C	heating / Warmer	Tol	2	°c
heating / Colder	Tbiv		·c	heating / Colder	Tol	-	-c
<u> </u>	-				-	-	
Cycling interval capacity				Cycling interval efficiency			
for cooling	Pcvcc	-	kW	for cooling	EERcyc	-].
for heating	Pcych	-	kW	for heating	COPcyc	-	1.
	. 0,01				221 010		
Degradation coefficient				Degradation coefficient			
cooling	Cdc	0.25	7-	heating	Cdh	0.25].
, , ,		,					
Electric power input in power modes o	ther than 'active m	ode'		Annual electricity consumption			
off mode	Poff	4	w	cooling	Qce	103	kWh/a
standby mode	Psb	4	w	heating / Average	Qhe	804	kWh/a
thermostat-off mode	Pto(cooling)	10	w	heating / Warmer	Qhe	784	kWh/a
	Pto(heatling)	11	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	50	dB(A)
				Sound power level(outdoor)	Lwa	56	dB(A)
fixed	No			Global warming potential	GWP	675	kgCO₂eq.
staged	No			Rated air flow(indoor)	-	594	m³/h
variable	Yes			Rated air flow(outdoor)	-	1644	m³/h
Contact details for obtaining Name	e and address of the	he manufac	cturer or o	f its authorised representative.			
	MHIAE SERVICES						
				M Amsterdam, Netherlands. P.O.Box 23	3393 1100 DW Am	sterdam, N	etherlands
	Mitsubishi Heavy						
5	ne Square, Stock	iey Park, U	xbridge, N	Middlesex, UB11 1ET, United Kingdom			



				Her a contract and a contract			
Information to identify the model(s) to wh			to:	If function includes heating: Indicate			
Indoor unit model name	SRK25ZS-V			information relates to. Indicated valu			
Outdoor unit model name	SRC25ZS-\	N1		heating season at a time. Include at	least the heating s	eason 'Av	erage'.
				¬			
Function(indicate if present)				Average(mandatory)	Yes		
cooling	Yes			Warmer(if designated)	Yes		
heating	Yes			Colder(if designated)	No		
Item	symbol	value	unit	Item	symbol	value	class
Design load	-,			Seasonal efficiency and energy effici			
cooling	Pdesigno	2.50	kW	cooling	SEER	8.50	A+++
_	_		-	11 -			
heating / Average	Pdesignh	2.70	kW	heating / Average	SCOP/A	4.70	A++
heating / Warmer	Pdesignh	3.30	kW	heating / Warmer	SCOP/W	5.90	A+++
heating / Colder	Pdesignh	-	kW	heating / Colder	SCOP/C	-	-
							unit
Declared capacity at outdoor temperature	e Tdesignh			Back up heating capacity at outdoor	temperature Tdes	ignh	
heating / Average (-10°C)	Pdh	2.70	kW	heating / Average (-10°C)	elbu	-	kW
heating / Warmer (2°C)	Pdh	3.30	kW	heating / Warmer (2°C)	elbu	-	kW
heating / Colder (-22°C)	Pdh	-	kW	heating / Colder (-22°C)	elbu	-	kW
rieating / Colder (-22 C)	1 dii		IVAA	rieating / Colder (-22 C)	eibu		IKVV
		4010- 1		16		07/10/0-	
Declared capacity for cooling, at indoor to	emperature 27(19)°C and		Declared energy efficiency ratio, at it	ndoor temperature	27(19)°C	and
outdoor temperature Tj			_	outdoor temperature Tj			_
Tj=35℃	Pdc	2.50	kW	Tj=35°C	EERd	4.03	
Tj=30°C	Pdc	1.80	kW	Tj=30°C	EERd	6.45	7-
Tj=25°C	Pdc	1.11	kW	Tj=25°C	EERd	11.80	7.
Tj=20°C	Pdc	1.10	kW	Tj=20°C	EERd	18.20	1.
1]-20 0	1 00	1.10	1000	1]-200	LLING	10.20	
L				16			
Declared capacity for heating / Average s		or		Declared coefficient of performance		at indoor	
temperature 20°C and outdoor temperatu			_	temperature 20°C and outdoor temperature	-		_
Tj=-7°C	Pdh	2.40	kW	Tj=-7°C	COPd	2.50	
Tj=2°C	Pdh	1.40	kW	Tj=2°C	COPd	4.92	7-
Tj=7°C	Pdh	0.95	kW	Tj=7°C	COPd	6.15	1_
Tj=12°C	Pdh	1.10	kW	Tj=12°C	COPd	7.86	┪.
⁻			-				+
Tj=bivalent temperature	Pdh	2.70	kW	Tj=bivalent temperature	COPd	2.40	
Tj=operating limit	Pdh	2.70	kW	Tj=operating limit	COPd	2.40	
Declared capacity for heating / Warmer s	eason, at indoo	or		Declared coefficient of performance	/ Warmer season,	at indoor	
temperature 20°C and outdoor temperatu	re Tj			temperature 20°C and outdoor temperature	erature Tj		
Tj=2°C	Pdh	3.30	kW	Tj=2°C	COPd	2.70	7.
Tj=7°C	Pdh	2.10	kW	Tj=7°C	COPd	5.23	┪.
1 -			-	11 -		7.86	
Tj=12°C	Pdh	1.10	kW	Tj=12°C	COPd		4
Tj=bivalent temperature	Pdh	3.30	kW	Tj=bivalent temperature	COPd	2.70	- -
Tj=operating limit	Pdh	3.30	kW	Tj=operating limit	COPd	2.70	-
Declared capacity for heating / Colder se	ason, at indoor			Declared coefficient of performance	/ Colder season, a	t indoor	
temperature 20°C and outdoor temperatu				temperature 20°C and outdoor temperature			
Tj=-7°C	Pdh	-	kW	Tj=-7°C	COPd	-	٦.
T		<u> </u>	-	11 -			
Tj=2°C	Pdh		kW	Tj=2°C	COPd		4
Tj=7°C	Pdh	-	kW	Tj=7°C	COPd	-	վ-
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	-	7_
Tj=-15°C	Pdh		kW	Tj=-15°C	COPd	-	7_
,			1	10.00			
B: 1 11				76			
Bivalent temperature			٦٥-	Operating limit temperature			70-
heating / Average	Tbiv	-10	°C	heating / Average	Tol	-10	_l°C
heating / Warmer	Tbiv	2	_∣℃	heating / Warmer	Tol	2	_ ℃
heating / Colder	Tbiv	-	℃	heating / Colder	Tol	-	°C
Cycling interval capacity				Cycling interval efficiency			
for cooling	Pcycc		kW	for cooling	EERcyc	_	7.
for heating			kW	11 -			1.
ior rieating	Pcych	-	IVAA	for heating	COPcyc		1-
				1			
Degradation coefficient			_	Degradation coefficient			7
cooling	Cdc	0.25	-	heating	Cdh	0.25	<u> -</u>
Electric power input in power modes other	er than 'active n	node'		Annual electricity consumption			
off mode	Poff	4	w	cooling	Qce	103	kWh/a
standby mode		4	w				kWh/a
1	Psb		_	heating / Average	Qhe	804	_
thermostat-off mode	Pto(cooling)	10	W	heating / Warmer	Qhe	784	kWh/a
	Pto(heatling)	11	w	heating / colder	Qhe	-	kWh/a
crankcase heater mode	Pck	0	W				
Capacity control(indicate one of three op	tions)		_	Other items		_	_
, т. т., т. т., т. т., т.	-,			Sound power level(indoor)	Lwa	50	dB(A)
				11 ' ' ' ' '			⊣ `′
				Sound power level(outdoor)	Lwa	56	dB(A)
fixed	No			Global warming potential	GWP	675	_kgCO₂eq.
staged	No			Rated air flow(indoor)	-	594	m³/h
variable	Yes			Rated air flow(outdoor)	-	1644	m³/h
Contact details for obtaining Name a	nd address of t	the manufa	cturer or o	f its authorised representative.			
	HIAE SERVICE						
			nA 1101 (CM Amsterdam, Netherlands. P.O.Box 23	3393 1100 DW Am	sterdam 1	Vetherlands
				ioning Europe, Ltd	DW AIII	o.um, 1	
				Middlesex, UB11 1ET, United Kingdom			
				. ,			



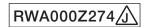
				There is a second			
Information to identify the model(s) to			to:	If function includes heating: Indicate			
Indoor unit model name Outdoor unit model name	SRK25ZS-V SRC25ZS-V			information relates to. Indicated val heating season at a time. Include a			orogo'
Outdoor unit model name	SRC2525-V	VZ		neating season at a time. Include a	it least the neating s	season Av	erage.
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			7	Seasonal efficiency and energy effi	-		
cooling	Pdesignc	2.50	kW	cooling	SEER	8.50	A+++
heating / Average	Pdesignh	2.70	kW kW	heating / Average	SCOP/A SCOP/W	4.70	A++
heating / Warmer heating / Colder	Pdesignh Pdesignh	3.30	kW	heating / Warmer heating / Colder	SCOP/W SCOP/C	5.90	A+++
rieating / Coidei	Fuesigiiii		IVAA	rieating / Colder	3COF/C		unit
Declared capacity at outdoor tempera	ature Tdesignh			Back up heating capacity at outdoor	or temperature Tdes	sianh	unit
heating / Average (-10°C)	Pdh	2.70	kW	heating / Average (-10°C)	elbu	-	kW
heating / Warmer (2°C)	Pdh	3.30	kW	heating / Warmer (2°C)	elbu	-	kW
heating / Colder (-22°C)	Pdh	-	kW	heating / Colder (-22°C)	elbu	-	kW
_							
Declared capacity for cooling, at indo	or temperature 27(19)°C and		Declared energy efficiency ratio, at	indoor temperature	₃ 27(19)°C ;	and
outdoor temperature Tj	D.I.	0.50	المديد	outdoor temperature Tj	EED.	4.00	٦
Tj=35°C	Pdc	2.50	kW	Tj=35°C	EERd	4.03	
Tj=30°C	Pdc	1.80	kW	Tj=30°C	EERd	6.45	- 1
Tj=25°C	Pdc	1.11	kW	Tj=25°C	EERd	11.80	
Tj=20°C	Pdc	1.10	kW	Tj=20°C	EERd	18.20	1-
Declared capacity for booting / Assert	ne season of inde	or		Declared coefficient of porformance	e / Average coocs	at indoo-	
Declared capacity for heating / Avera temperature 20°C and outdoor tempe		JI .		Declared coefficient of performance temperature 20°C and outdoor tem		, αι πισσοΓ	
Tj=-7°C	Pdh	2.40	kW	Tj=-7°C	COPd	2.50	٦.
Tj=2°C	Pdh	1.40	kW	Tj=2°C	COPd	4.92	1.
Tj=7°C	Pdh	0.95	kW	Tj=7°C	COPd	6.15	1_
Tj=12°C	Pdh	1.10	kW	Tj=12°C	COPd	7.86	7-
Tj=bivalent temperature	Pdh	2.70	kW	Tj=bivalent temperature	COPd	2.40	7.
Tj=operating limit	Pdh	2.70	kW	Tj=operating limit	COPd	2.40	1_
T Operating in it.			11.00		00. 0		
Declared capacity for heating / Warm	er season, at indoo	r		Declared coefficient of performance	e / Warmer season,	at indoor	
temperature 20°C and outdoor tempe				temperature 20°C and outdoor tem			
Tj=2°C	Pdh	3.30	kW	Tj=2°C	COPd	2.70	7-
Tj=7°C	Pdh	2.10	kW	Tj=7°C	COPd	5.23]-
Tj=12°C	Pdh	1.10	kW	Tj=12°C	COPd	7.86	
Tj=bivalent temperature	Pdh	3.30	kW	Tj=bivalent temperature	COPd	2.70]-
Tj=operating limit	Pdh	3.30	kW	Tj=operating limit	COPd	2.70]
Declared capacity for heating / Colde	r season, at indoor			Declared coefficient of performance	e / Colder season, a	at indoor	
temperature 20°C and outdoor tempe	rature Tj		_	temperature 20°C and outdoor tem	perature Tj		_
Tj=-7°C	Pdh	-	kW	Tj=-7°C	COPd	-	 -
Tj=2°C	Pdh	-	kW	Tj=2°C	COPd	-	- -
Tj=7°C	Pdh	-	kW	Tj=7°C	COPd	-	վ-
Tj=12°C	Pdh	-	kW	Tj=12°C	COPd	-	վ-
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-
Diselect to see a set of				0			
Bivalent temperature	Thiv	-10	7∘c	Operating limit temperature	Tol	-10	7∘c
heating / Average heating / Warmer	Tbiv Tbiv	-10 2	~ ~	heating / Average heating / Warmer	Tol Tol	2	~ ~
heating / Volder	Tbiv	-	- C	heating / Colder	Tol	-	-\c^c
	I DIV		1 ~		101		1-
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	other than 'active m	node'		Annual electricity consumption			_
off mode	Poff	4	w	cooling	Qce	103	kWh/a
standby mode	Psb	4	w	heating / Average	Qhe	804	kWh/a
thermostat-off mode	Pto(cooling)	10	w	heating / Warmer	Qhe	784	kWh/a
	Pto(heatling)	11	w	heating / colder	Qhe		kWh/a
crankcase heater mode	Pck	0	W				
0				Othersites			
Capacity control(indicate one of three	options)			Other items	1	F2	الماري
				Sound power level(indoor)	Lwa	50	dB(A)
				Sound power level(outdoor)	Lwa	56	dB(A)
fixed	No			Global warming potential	GWP	675	_kgCO₂eo
staged	No			Rated air flow(indoor)	-	594	m³/h
variable	Yes			Rated air flow(outdoor)	-	1644	m³/h
0		h	-4	file authorized and a con-			
_			cturer or o	of its authorised representative.			
) MHIAE SERVICE		Δ 1101 /	CM Amsterdam, Netherlands. P.O.Box 2	23303 1100 111/ 4~	neterdom *	Vetherland
					LOUGO 1 100 DVV AII	iotoruanii, l	*GUICHAIL
) Mitsubishi Heavy The Square, Stock			ioning Europe, Ltd Middlesex, UB11 1ET,United Kingdom			



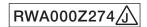
Model SRK35ZS-WF

				There is a series in the series of			
Information to identify the model(s)			to:	If function includes heating: Indicate			
Indoor unit model name	SRK35ZS-W			information relates to. Indicated valu			
Outdoor unit model name	SRC35ZS-W			heating season at a time. Include at	least the heating s	eason 'Ave	erage'.
				٦ ا			
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 effic	ciency class		
cooling	Pdesignc	3.50	kW	cooling	SEER	8.40	A++
heating / Average	Pdesignh	3.00	kW	heating / Average	SCOP/A	4.70	A++
heating / Warmer	Pdesignh	3.70	kW	heating / Warmer	SCOP/W	6.00	A+++
heating / Colder	Pdesignh	-	kW	heating / Colder	SCOP/C	-	-
			•			•	unit
Declared capacity at outdoor temper	erature Tdesignh			Back up heating capacity at outdoor	r temperature Tdes	ianh	
heating / Average (-10°C)	Pdh	3.00	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
rieating / Colder (-22 C)	i un		IVAA	neating / Colder (-22 C)	eibu		KVV
Declared capacity for cooling at in-	door tomporature 27/1	O\°C and		Declared energy efficiency ratio at i	indoor tomporaturo	27(10)%	and
Declared capacity for cooling, at in-	uoor temperature 27(1	9) C and		Declared energy efficiency ratio, at i	indoor temperature	27(19) C a	anu
outdoor temperature Tj			٦	outdoor temperature Tj			7
Tj=35°C	Pdc	3.50	kW	Tj=35°C	EERd	3.82	
Tj=30°C	Pdc	2.58	kW	Tj=30°C	EERd	5.82	1-
Tj=25°C	Pdc	1.60	kW	Tj=25°C	EERd	11.20	
Tj=20°C	Pdc	1.07	kW	Tj=20°C	EERd	18.50	-
Declared capacity for heating / Ave	rage season, at indoo	r		Declared coefficient of performance	/ Average season,	at indoor	
temperature 20°C and outdoor tem				temperature 20°C and outdoor temp			
Tj=-7°C	Pdh	2.65	kW	Tj=-7°C	COPd	2.50]-
Tj=2°C	Pdh	1.62	kW	Tj=2°C	COPd	4.92	7-
Tj=7°C	Pdh	1.04	kW	Tj=7°C	COPd	6.10	7-
Tj=12°C	Pdh	1.16	kW	Tj=12°C	COPd	7.86	1_
Tj=bivalent temperature	Pdh	3.00	kW	Tj=bivalent temperature	COPd	2.40	1.
1 *			_	11.			+
Tj=operating limit	Pdh	3.00	kW	Tj=operating limit	COPd	2.40	-
				15			
Declared capacity for heating / War		r		Declared coefficient of performance		at indoor	
temperature 20°C and outdoor tem			7	temperature 20°C and outdoor temp			7
Tj=2°C	Pdh	3.70	kW	Tj=2°C	COPd	2.80	-
Tj=7°C	Pdh	2.38	kW	Tj=7°C	COPd	5.20	
Tj=12°C	Pdh	1.16	kW	Tj=12°C	COPd	7.86	
Tj=bivalent temperature	Pdh	3.70	kW	Tj=bivalent temperature	COPd	2.80	
Tj=operating limit	Pdh	3.70	kW	Tj=operating limit	COPd	2.80	-
temperature 20°C and outdoor tem Tj=-7°C Tj=2°C Tj=12°C Tj=12°C Tj=bivalent temperature Tj=operating limit Tj=-15°C	perature Tj Pdh Pdh Pdh Pdh Pdh Pdh Pdh	-	kW kW kW kW kW kW	temperature 20°C and outdoor temp Tj=-7°C Tj=2°C Tj=7°C Tj=12°C Tj=bivalent temperature Tj=operating limit Tj=-15°C	copd COPd COPd COPd COPd COPd COPd COPd COP	-	- - - - - - - - -
Rivalent temperature				Operating limit temperature			
Bivalent temperature heating / Average	Tbiv	-10	7°c	Operating limit temperature heating / Average	Tol	-10]°c
heating / Warmer	Tbiv	2	- C	11 -	Tol	2	°C
heating / Warmer heating / Colder	Tbiv	-	-C	heating / Warmer heating / Colder	Tol		°C
nealing / Coldel	I DIV		10	Ineating / Colder	IUI	-	10
Overline internal a "				Tourismints of mi			
Cycling interval capacity	5		٦	Cycling interval efficiency			٦
for cooling	Pcycc	-	kW	for cooling	EERcyc	-	
for heating	Pcych		kW	for heating	COPcyc	-	-
-							
Degradation coefficient			7	Degradation coefficient			7
cooling	Cdc	0.25	-	heating	Cdh	0.25	-
Electric power input in power mode	s other than 'active m	ode'	_	Annual electricity consumption			_
off mode	Poff	4	w	cooling	Qce	146	kWh/a
standby mode	Psb	4	w	heating / Average	Qhe	895	kWh/a
thermostat-off mode	Pto(cooling)	10	w	heating / Warmer	Qhe	863	kWh/a
	Pto(heatling)	11	w	heating / colder	Qhe	-	kWh/a
crankcase heater mode	Pck	0	w		ano		,u
or announce model mode	I UN		1**	_			
Congoity control/india-t-	oo ontions)			Other items			
Capacity control(indicate one of thr	ee options)			Other items	1		Tap/A)
				Sound power level(indoor)	Lwa	54	dB(A)
				Sound power level(outdoor)	Lwa	61	dB(A)
fixed	No			Global warming potential	GWP	675	kgCO₂eq.
				Rated air flow(indoor)	-	678	m³/h
staged	No			-			-
variable				Rated air flow(outdoor)	-	1890	m³/h
variable	No Yes			Rated air flow(outdoor)	-		-
variable Contact details for obtaining N	No Yes		cturer or of	-	-		-
variable Contact details for obtaining N	No Yes ame and address of the control of the contr	S B.V.		Rated air flow(outdoor) its authorised representative.	-	1890	m³/h
variable Contact details for obtaining N more information (E	No Yes ame and address of the EU) MHIAE SERVICES Herikerbergweg 238,	S B.V. Luna Arer	nA, 1101 C	Rated air flow(outdoor) its authorised representative. M Amsterdam, Netherlands. P.O.Box 2:	- 3393 1100 DW Am	1890	m³/h
variable Contact details for obtaining N more information (E	No Yes ame and address of the SU) MHIAE SERVICES Herikerbergweg 238, JK) Mitsubishi Heavy I	S B.V. Luna Arer ndustries	nA, 1101 C Air-Conditio	Rated air flow(outdoor) its authorised representative. M Amsterdam, Netherlands. P.O.Box 2:	- 3393 1100 DW Am	1890	m³/h

			П.,			
Information to identify the model(s) to			If function includes heating: Indicate the			
Indoor unit model name	SRK35ZS-V		information relates to. Indicated values s			
Outdoor unit model name	SRC35ZS-V	V1	heating season at a time. Include at leas	st the heating s	season 'Ave	erage'.
			¬ . , ,, ,	-		
Function(indicate if present)	V		Average(mandatory)	Yes		
cooling	Yes		Warmer(if designated) Colder(if designated)	Yes No		
heating	Yes		Colder(ii designated)	NO		
Item	symbol	value unit	Item	symbol	value	class
Design load	Symbol	value unit	Seasonal efficiency and energy efficience		value	Ciass
cooling	Pdesignc	3.50 kW	cooling	SEER	8.40	A++
heating / Average	Pdesignh	3.00 kW	heating / Average	SCOP/A	4.70	A++
heating / Warmer	Pdesignh	3.70 kW	heating / Warmer	SCOP/W	6.00	A+++
heating / Colder	Pdesignh	- kW	heating / Colder	SCOP/C		_
		, , , , , , , , , , , , , , , , , , , ,				unit
Declared capacity at outdoor temper	ature Tdesignh		Back up heating capacity at outdoor tem	perature Tdes	ignh	
heating / Average (-10°C)	Pdh	3.00 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
Declared capacity for cooling, at indo	oor temperature 27(19)°C and	Declared energy efficiency ratio, at indo	or temperature	27(19)°C a	and
outdoor temperature Tj			outdoor temperature Tj			_
Tj=35°C	Pdc	3.50 kW	Tj=35°C	EERd	3.82	-
Tj=30°C	Pdc	2.58 kW	Tj=30°C	EERd	5.82	_
Tj=25°C	Pdc	1.60 kW	Tj=25°C	EERd	11.20	
Tj=20°C	Pdc	1.07 kW	Tj=20°C	EERd	18.50	
Declared capacity for heating / Avera	age season, at indoo	or	Declared coefficient of performance / Av	erage season,	at indoor	
temperature 20°C and outdoor temperature			temperature 20°C and outdoor temperat			-
Tj=-7°C	Pdh	2.65 kW	Tj=-7°C	COPd	2.50	
Tj=2°C	Pdh	1.62 kW	Tj=2°C	COPd	4.92	<u></u> -
Tj=7°C	Pdh	1.04 kW	Tj=7°C	COPd	6.10	 -
Tj=12°C	Pdh	1.16 kW	Tj=12°C	COPd	7.86	 -
Tj=bivalent temperature	Pdh	3.00 kW	Tj=bivalent temperature	COPd	2.40	_
Tj=operating limit	Pdh	3.00 kW	Tj=operating limit	COPd	2.40	-
Declared capacity for heating / Warm	ner season, at indoo	r	Declared coefficient of performance / Wa	armer season,	at indoor	
temperature 20°C and outdoor temperature	erature Tj		temperature 20°C and outdoor temperat	ure Tj		_
Tj=2°C	Pdh	3.70 kW	Tj=2°C	COPd	2.80	-
Tj=7°C	Pdh	2.38 kW	Tj=7°C	COPd	5.20	-
Tj=12°C	Pdh	1.16 kW	Tj=12°C	COPd	7.86]-
Tj=bivalent temperature	Pdh	3.70 kW	Tj=bivalent temperature	COPd	2.80	_
Tj=operating limit	Pdh	3.70 kW	Tj=operating limit	COPd	2.80]-
Declared capacity for heating / Colde	er season, at indoor		Declared coefficient of performance / Co	older season, a	t indoor	
temperature 20°C and outdoor temperature	erature Tj		temperature 20°C and outdoor temperat	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°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			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	other than 'active m	ode'	Annual electricity consumption			,
off mode	Poff	4 W	cooling	Qce	146	kWh/a
standby mode	Psb	4 W	heating / Average	Qhe	895	kWh/a
thermostat-off mode	Pto(cooling)	10W	heating / Warmer	Qhe	863	kWh/a
	Pto(heatling)	11 W	heating / colder	Qhe	-	kWh/a
crankcase heater mode	Pck	0 W				
Capacity control(indicate one of three	e options)		Other items			7
			Sound power level(indoor)	Lwa	54	dB(A)
			Sound power level(outdoor)	Lwa	61	dB(A)
fixed	No		Global warming potential	GWP	675	kgCO₂e
staged	No		Rated air flow(indoor)	-	678	m³/h
variable	Yes		Rated air flow(outdoor)	-	1890	m³/h
Contact details for obtaining Nar	me and address of the	he manufacturer or o	f its authorised representative.			
	J) MHIAE SERVICE					
			CM Amsterdam, Netherlands. P.O.Box 23393	3 1100 DW Am	sterdam, N	letherland
		Industries Air-Conditi ley Park, Uxbridge, N	ioning Europe, Ltd //iddlesex, UB11 1ET,United Kingdom			



Information to identify the model(s) to			If function includes heating: Indicate th			
Indoor unit model name	SRK35ZS-V		information relates to. Indicated values			
Outdoor unit model name	SRC35ZS-V	V2	heating season at a time. Include at le	ast the heating s	eason Ave	erage.
Function/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		
Trouting	1.00		Goldon (In debignated)			
Item	symbol	value unit	Item	symbol	value	class
Design load			Seasonal efficiency and energy efficien	ncy class		
cooling	Pdesignc	3.50 kW	cooling	SEER	8.40	A++
heating / Average	Pdesignh	3.00 kW	heating / Average	SCOP/A	4.70	A++
heating / Warmer	Pdesignh	3.70 kW	heating / Warmer	SCOP/W	6.00	A+++
heating / Colder	Pdesignh	- kW	heating / Colder	SCOP/C	-	
			16			unit
Declared capacity at outdoor tempera	-	2.00	Back up heating capacity at outdoor te			٦,,,,,
heating / Average (-10°C)	Pdh Pdh	3.00 kW	heating / Average (-10°C)	elbu	-	kW
heating / Warmer (2°C) heating / Colder (-22°C)	Pdh	3.70 kW	heating / Warmer (2°C) heating / Colder (-22°C)	elbu elbu	-	kW
rieating / Colder (-22 C)	i uii	-	Treating / Colder (-22 O)	eibu		INVV
Declared capacity for cooling, at indo	or temperature 27(19)°C and	Declared energy efficiency ratio, at ind	loor temperature	27(19)°C a	and
outdoor temperature Tj		,	outdoor temperature Tj		` '	
Tj=35°C	Pdc	3.50 kW	Tj=35°C	EERd	3.82	7-
Tj=30°C	Pdc	2.58 kW	Tj=30°C	EERd	5.82	1-
Tj=25°C	Pdc	1.60 kW	Tj=25°C	EERd	11.20]-
Tj=20°C	Pdc	1.07 kW	Tj=20°C	EERd	18.50]
Declared capacity for heating / Avera		or	Declared coefficient of performance / A		at indoor	
temperature 20°C and outdoor tempe	-		temperature 20°C and outdoor temperature	-		7
Tj=-7°C	Pdh	2.65 kW	Tj=-7°C	COPd	2.50	
Tj=2°C	Pdh	1.62 kW	Tj=2°C	COPd	4.92	
Tj=7°C	Pdh	1.04 kW	Tj=7°C	COPd	6.10	-
Tj=12°C	Pdh	1.16 kW	Tj=12°C	COPd	7.86	<u>-</u> -
Tj=bivalent temperature	Pdh	3.00 kW	Tj=bivalent temperature	COPd	2.40	
Tj=operating limit	Pdh	3.00 kW	Tj=operating limit	COPd	2.40	-
				.,		
Declared capacity for heating / Warm temperature 20°C and outdoor tempe		r	Declared coefficient of performance / \ temperature 20°C and outdoor temperature		at indoor	
Tj=2°C	Pdh	3.70 kW	Ti=2°C	COPd	2.80	٦
Tj=7°C	Pdh	2.38 kW	Tj=2°C	COPd	5.20	-[
Tj=12°C	Pdh	1.16 kW	Tj=12°C	COPd	7.86	-[
Tj=bivalent temperature	Pdh	3.70 kW	Tj=bivalent temperature	COPd	2.80	1
Tj=operating limit	Pdh	3.70 kW	Tj=operating limit	COPd	2.80	-[
n operating innic	7 0.11	0.70	in operating inne		2.00	
Declared capacity for heating / Colde	r season, at indoor		Declared coefficient of performance / 0	Colder season, a	t indoor	
temperature 20°C and outdoor tempe			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°C	COPd	-	-
			1.			
Bivalent temperature			Operating limit temperature			٦٥-
heating / Average	Tbiv	-10 °C	heating / Average	Tol	-10	
heating / Warmer	Tbiv Tbiv	2 °C °C	heating / Warmer	Tol Tol	2	င်
heating / Colder	I DIV	- C	heating / Colder	101		Ic
Cycling interval capacity			Cycling interval efficiency			
for cooling	Pcycc	- kW	for cooling	EERcyc	-	7.
for heating	Pcych	- kW	for heating	COPcyc	_	1_
	,	1				-1
Degradation coefficient			Degradation coefficient			
cooling	Cdc	0.25 -	heating	Cdh	0.25]-
Electric power input in power modes	other than 'active m	ode'	Annual electricity consumption			
off mode	Poff	4 W	cooling	Qce	146	kWh/a
standby mode	Psb	4 W	heating / Average	Qhe	895	kWh/a
thermostat-off mode	Pto(cooling)	10W	heating / Warmer	Qhe	863	kWh/a
	Pto(heatling)	11W	heating / colder	Qhe	-	kWh/a
crankcase heater mode	Pck	0 W				
Conneity control(in direct	ontions)		Other items			
Capacity control(indicate one of three	options)		Other items	Luca	E /	T _{dD} (A)
			Sound power level(indoor)	Lwa	54	dB(A)
fived	N.		Sound power level(outdoor)	Lwa	61	dB(A)
fixed	No No		Global warming potential Rated air flow(indoor)	GWP	675	kgCO₂eo m³/h
staged variable	No Yes		Rated air flow(indoor) Rated air flow(outdoor)	-	678 1890	m³/h m³/h
variable	162		I [rated all flow(outdoor)		1030	дания
Contact details for obtaining Nan	ne and address of the	he manufacturer or o	f its authorised representative.			
) MHIAE SERVICE		. no authorised representative.			
			CM Amsterdam, Netherlands. P.O.Box 233	93 1100 DW Am	sterdam, N	letherland
(UK) Mitsubishi Heavy	Industries Air-Condit	oning Europe, Ltd			
5	The Square, Stock	ley Park, Uxbridge, N	/liddlesex, UB11 1ET,United Kingdom			



Model SRK50ZS-WF

Information to identify the model(s) to v	which the informati	on relates	to:	If function includes heating: Indicate	the heating seaso	n the	
Indoor unit model name	SRK50ZS-W		10.	information relates to. Indicated value			
Outdoor unit model name	SRC50ZS-W			heating season at a time. Include at I			erage'.
	•			_			
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	Delevier	F 00	المدر	Seasonal efficiency and energy efficiency	-	7.00	
cooling	Pdesigno	5.00	kW	cooling	SEER	7.00	A++
heating / Average	Pdesignh	3.80	kW kW	heating / Average	SCOP/A SCOP/W	4.60	A++
heating / Warmer	Pdesignh	4.60	kW	heating / Warmer heating / Colder	SCOP/C	5.70	A+++
heating / Colder	Pdesignh		IKVV		SCOPIC	-	unit
Declared capacity at outdoor temperate	ire Tdesianh			Back up heating capacity at outdoor	temperature Tdes	ianh	uniii
heating / Average (-10°C)	Pdh	3.80	kW	heating / Average (-10°C)	elbu	-	kW
heating / Warmer (2°C)	Pdh	4.60	kW	heating / Warmer (2°C)	elbu	-	kW
heating / Colder (-22°C)	Pdh	-	kW	heating / Colder (-22°C)	elbu	-	kW
						-	
Declared capacity for cooling, at indoor	temperature 27(1	9)°C and		Declared energy efficiency ratio, at in	door temperature	27(19)°C a	and
outdoor temperature Tj			_	outdoor temperature Tj			_
Tj=35°C	Pdc	5.00	kW	Tj=35°C	EERd	3.70]-
Tj=30°C	Pdc	3.65	kW	Tj=30°C	EERd	5.40	-
Tj=25°C	Pdc	2.37	kW	Tj=25°C	EERd	8.30	
Tj=20°C	Pdc	1.90	kW	Tj=20°C	EERd	13.00	-
Declared capacity for heating / Average		r		Declared coefficient of performance /		at indoor	
temperature 20°C and outdoor tempera	-		7	temperature 20°C and outdoor tempe	-		1
Tj=-7°C	Pdh	3.35	kW	Tj=-7°C	COPd	2.80	-
Tj=2°C	Pdh	2.00	kW	Tj=2°C	COPd	4.60	-
Tj=7°C	Pdh	1.30	kW	Tj=7°C	COPd	6.02	-
Tj=12°C	Pdh	1.50	kW	Tj=12°C	COPd	7.41	-
Tj=bivalent temperature	Pdh	3.80	kW	Tj=bivalent temperature	COPd	2.50	-
Tj=operating limit	Pdh	3.80	kW	Tj=operating limit	COPd	2.50	-
Designed assessible for heading (Marana				Designed as efficient of a sefermina of	(10/	-4 !	
Declared capacity for heating / Warmer temperature 20°C and outdoor temperature 20°C		r		Declared coefficient of performance / temperature 20°C and outdoor tempe		at indoor	
Tj=2°C	Pdh	4.60	kW	Ti=2°C	COPd	2.80	1
'	Pdh	2.90	kW	Tj=7°C	COPd	5.38	ł-
Tj=7°C Tj=12°C	Pdh	1.50	kW	Tj=12°C	COPd	7.00	1
-			+				+
Tj=bivalent temperature	Pdh	4.60	kW	Tj=bivalent temperature	COPd	2.80	-
Tj=operating limit	Pdh	4.60	kW	Tj=operating limit	COPd	2.80	-
Declared conscitutor bacting / Colder	annon otindoor			Declared coefficient of newformance	Colder seeses a	t indoor	
Declared capacity for heating / Colders temperature 20°C and outdoor tempera				Declared coefficient of performance / temperature 20°C and outdoor tempe		.t indoor	
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°C	COPd	-	1_
Tj=12°C	Pdh	-	kW	Tj=12°C	COPd	-	1_
Tj=bivalent temperature	Pdh		kW	Tj=bivalent temperature	COPd	-	1_
Tj=operating limit	Pdh		kW	Tj=operating limit	COPd	-	1_
Tj=-15°C	Pdh		kW	Tj=-15°C	COPd		[
	-						
Bivalent temperature				Operating limit temperature			
heating / Average	Tbiv	-10	ି୯	heating / Average	Tol	-10	°c
heating / Warmer	Tbiv	2	[†] ℃	heating / Warmer	Tol	2	℃
heating / Colder	Tbiv	-]°c	heating / Colder	Tol	-	℃
Cycling interval capacity			-	Cycling interval efficiency			,
for cooling	Pcycc	-	kW	for cooling	EERcyc	-	-
for heating	Pcych	-	kW	for heating	COPcyc	-	-
				7.			
Degradation coefficient			-	Degradation coefficient			1
cooling	Cdc	0.25	-	heating	Cdh	0.25	-
				1			
Electric power input in power modes of			1	Annual electricity consumption			1
off mode	Poff	4	w	cooling	Qce	250	kWh/a
standby mode	Psb	4	w	heating / Average	Qhe	1158	kWh/a
thermostat-off mode	Pto(cooling)	14	w	heating / Warmer	Qhe	1131	kWh/a
	Pto(heatling)	15	w	heating / colder	Qhe	ш-	kWh/a
crankcase heater mode	Pck	0	W	_			
				1 lau :			
Capacity control(indicate one of three of	options)			Other items	1] _{4B(A)}
				Sound power level(indoor)	Lwa	59	dB(A)
fire d	N.			Sound power level(outdoor)	Lwa	61	dB(A)
fixed	No No			Global warming potential	GWP -	675	kgCO₂eq.
staged variable	No Yes			Rated air flow(indoor) Rated air flow(outdoor)	-	726 1968	m³/h m³/h
variable	Tes					מספו ן	Juran
Contact details for obtaining Name	and address of #	ne manufor	turer or of	its authorised representative.			
	MHIAE SERVICES		auto UI OI	no admonoco representative.			
			A, 1101 C	M Amsterdam, Netherlands. P.O.Box 23	393 1100 DW Am	sterdam, N	etherlands
	Mitsubishi Heavy I						
				liddlesex, UB11 1ET,United Kingdom			

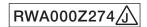
Model SRK20ZS-WFB

Information to identify the model(s) Indoor unit model name	to which the informat SRK20ZS-V		to:	If function includes heating: Indicate information relates to. Indicated value	_		
Outdoor unit model name	SRC20ZS-V			heating season at a time. Include at			erage'.
				\neg			
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	Ddooigno	2.00	kw	Seasonal efficiency and energy efficiency cooling	ciency class SEER	8.50	A+++
cooling heating / Average	Pdesignc Pdesignh	2.60	kW	heating / Average	SCOP/A	4.60	A++
heating / Warmer	Pdesignh	3.30	kW	heating / Warmer	SCOP/W	5.80	A+++
heating / Colder	Pdesignh	-	kW	heating / Colder	SCOP/C	-	-
							unit
Declared capacity at outdoor temporal heating / Average (-10°C)	erature Tdesignh Pdh	2.60	kW	Back up heating capacity at outdoor heating / Average (-10°C)	r temperature Tdesi elbu	ignh -	kW
heating / Warmer (2°C)	Pdh	3.30	kW	heating / Warmer (2°C)	elbu		kW
heating / Colder (-22°C)	Pdh	-	kW	heating / Colder (-22°C)	elbu	-	kW
Declared capacity for cooling, at in-	door temperature 27(19)°C and		Declared energy efficiency ratio, at	indoor temperature	27(19)°C	and
outdoor temperature Tj	Pdc	2.00	kW	outdoor temperature Tj Tj=35°C	EERd	4 55	7
Tj=35°C Tj=30°C	Pdc	1.40	kW	Tj=30°C	EERd	4.55 6.80	-[
Tj=25°C	Pdc	1.00	kW	Tj=25°C	EERd	11.80	
Tj=20°C	Pdc	1.00	kW	Tj=20°C	EERd	18.20	-
Declared capacity for heating / Ave		r		Declared coefficient of performance		at indoor	
temperature 20°C and outdoor tem	perature Tj Pdh	2.40	kW	temperature 20°C and outdoor temp	perature Tj COPd	2.50	٦.
Tj=2°C	Pan Pdh	1.40	kW		COPd	4.70	+[-
Tj=7°C	Pdh	0.95	kW	Tj=7°C	COPd	6.24	
Tj=12°C	Pdh	1.10	kW	Tj=12°C	COPd	7.80	
Tj=bivalent temperature	Pdh	2.60	kW	Tj=bivalent temperature	COPd	2.20	
Tj=operating limit	Pdh	2.60	kW	Tj=operating limit	COPd	2.20	-
Declared conscitutor heating / War	rmor coacon, at indoo	r		Deplaced coefficient of performance	/ Marmar access	at indoor	
Declared capacity for heating / War temperature 20°C and outdoor tem		ſ		Declared coefficient of performance temperature 20°C and outdoor temp		at indoor	
Tj=2°C	Pdh	3.30	kW	Tj=2°C	COPd	2.57	7-
Tj=7°C	Pdh	2.10	kW	Tj=7°C	COPd	5.12	
Tj=12°C	Pdh	1.10	kW	Tj=12°C	COPd	7.80	
Tj=bivalent temperature	Pdh	3.30	kW	Tj=bivalent temperature	COPd	2.57	
Tj=operating limit	Pdh	3.30	kW	Tj=operating limit	COPd	2.57	-
Declared capacity for heating / Cole	der season, at indoor			Declared coefficient of performance		t indoor	
temperature 20°C and outdoor tem			_	temperature 20°C and outdoor temp			_
Tj=-7°C	Pdh	-	kW	Tj=-7°C	COPd	-	
Tj=2°C	Pdh		kW	Tj=2°C	COPd	-	_ -
Tj=7°C	Pdh Pdh	-	kW kW	Tj=7°C	COPd	-	- -
Tj=12°C Tj=bivalent temperature	Pdh	-	kW	Tj=12°C Tj=bivalent temperature	COPd COPd		
Tj=operating limit	Pdh		kW	Tj=operating limit	COPd		
Tj=-15°C	Pdh	-	kW	Tj=-15°C	COPd	-	-
Bivalent temperature			700	Operating limit temperature	- .		7.0
heating / Average heating / Warmer	Tbiv Tbiv	-10 2	°C °C	heating / Average heating / Warmer	Tol Tol	-10 2	_°° °°
heating / Colder	Tbiv	-	 ℃	heating / Valine	Tol	-	⊣ _©
	-						
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	7_	heating	Cdh	0.25	7_
cooming	000	0.20		mouning		0.20	
Electric power input in power mode	es other than 'active m	ode'	_	Annual electricity consumption			_
off mode	Poff	4	w	cooling	Qce	83	kWh/a
standby mode	Psb	4	w	heating / Average	Qhe	793	kWh/a
thermostat-off mode	Pto(cooling)	10	w	heating / Warmer heating / colder	Qhe	797	kWh/a kWh/a
crankcase heater mode	Pto(heatling) Pck	11 0	w w	rreating / colder	Qhe	-	KVVII/a
			1				
Capacity control(indicate one of thr	ree options)			Other items			
				Sound power level(indoor)	Lwa	48	dB(A)
E				Sound power level(outdoor)	Lwa	56	dB(A)
fixed staged	No No			Global warming potential Rated air flow(indoor)	GWP	675 558	_kgCO₂eq. m³/h
variable	Yes			Rated air flow(indoor)	-	1644	m³/h
			cturer or	of its authorised representative.			
more information (E	EU) MHIAE SERVICE		οΛ 1404 ·	CM Ameterdam Notherlands B.C.B	2202 1100 514/ *	otordo	Nothorland-
l la	JK) Mitsubishi Heavy			CM Amsterdam, Netherlands. P.O.Box 2 tioning Europe, Ltd	SOSS TIOU DAY WW:	ыстиат, І	venienands
				Middlesex, UB11 1ET,United Kingdom			

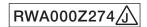
Model SRK25ZS-WFB

Information to identify the model(s) t Indoor unit model name	to which the informati		to:	If function includes heating: Indicate information relates to. Indicated value	_		
Outdoor unit model name	SRC25ZS-V			heating season at a time. Include a			/erage'.
				¬			
Function(indicate if present) cooling	Yes			Average(mandatory) Warmer(if designated)	Yes Yes		
heating	Yes			Colder(if designated)	No		
Item Design load	symbol	value	unit	Item Seasonal efficiency and energy efficiency	symbol symbol	value	class
cooling	Pdesignc	2.50	kW	cooling	SEER	8.50	A+++
heating / Average	Pdesignh	2.70	kW	heating / Average	SCOP/A	4.70	A++
heating / Warmer	Pdesignh	3.30	kW	heating / Warmer	SCOP/W	5.90	A+++
heating / Colder	Pdesignh	-	kW	heating / Colder	SCOP/C	-	-
Declared capacity at outdoor temper	rature Tdesignh			Back up heating capacity at outdoo	r temperature Tdes	ianh	unit
heating / Average (-10°C)	Pdh	2.70	kW	heating / Average (-10°C)	elbu	-	kW
heating / Warmer (2°C)	Pdh	3.30	kW	heating / Warmer (2°C)	elbu	-	kW
heating / Colder (-22°C)	Pdh	-	kW	heating / Colder (-22°C)	elbu	-	kW
Declared capacity for cooling, at inde	oor temperature 27(1	19)°C and		Declared energy efficiency ratio, at	indoor temperature	27(19)°C	and
outdoor temperature Tj			_	outdoor temperature Tj			
Tj=35°C	Pdc	2.50	kW	Tj=35°C	EERd	4.03	
Tj=30°C	Pdc	1.80	kW	Tj=30°C	EERd	6.45	-
Tj=25°C Tj=20°C	Pdc Pdc	1.11	kW	Tj=25°C Tj=20°C	EERd EERd	11.80	<u>-</u>
17-20 0	1 00	1.10	IKVV	1]-20 0	EERO	10.20	
Declared capacity for heating / Average		ır		Declared coefficient of performance		at indoor	
temperature 20°C and outdoor temp	,		٦	temperature 20°C and outdoor temp	-		_
Tj=-7°C	Pdh Pdh	2.40 1.40	kW	Tj=-7°C Tj=2°C	COPd COPd	2.50 4.92	
Tj=2°C Tj=7°C	Pdh	0.95	kW		COPd	6.15	<u>-</u>
Tj=12°C	Pdh	1.10	kW	Tj=12°C	COPd	7.86	-
Tj=bivalent temperature	Pdh	2.70	kW	Tj=bivalent temperature	COPd	2.40	
Tj=operating limit	Pdh	2.70	kW	Tj=operating limit	COPd	2.40	-
Declared capacity for heating / Warr	mor noonon, at indoo	r		Declared coefficient of performance	/ Marmar access	ot indoor	
temperature 20°C and outdoor temp		1		temperature 20°C and outdoor temp		at illuooi	
Tj=2°C	Pdh	3.30	kW	Tj=2°C	COPd	2.70	
Tj=7°C	Pdh	2.10	kW	Tj=7°C	COPd	5.23	-
Tj=12°C	Pdh	1.10	kW	Tj=12°C	COPd	7.86	
Tj=bivalent temperature Tj=operating limit	Pdh Pdh	3.30	kW kW	Tj=bivalent temperature Tj=operating limit	COPd COPd	2.70	
Tj-operating innit	T dii	0.00	IKVV		0014	2.70	
Declared capacity for heating / Cold				Declared coefficient of performance		t indoor	
temperature 20°C and outdoor temp			المديد	temperature 20°C and outdoor temp			_
Tj=-7°C Tj=2°C	Pdh Pdh	-	kW	Tj=-7°C Tj=2°C	COPd COPd	-	-[
Tj=7°C	Pdh	-	kW	T =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 Pdh	-	kW kW	Tj=operating limit	COPd	-	
Tj=-15°C	Pull	-	KVV	Tj=-15°C	COPd	<u> </u>	-
Bivalent temperature				Operating limit temperature			
heating / Average	Tbiv	-10	_℃	heating / Average	Tol	-10	℃
heating / Warmer	Tbiv	2	_l°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 apoliticiant				Degradation coefficient			
Degradation coefficient cooling	Cdc	0.25	٦	Degradation coefficient heating	Cdh	0.25	7_
Cooming		0.20		mouning		0.20	
Electric power input in power modes				Annual electricity consumption			
off mode	Poff	4	_w	cooling	Qce	103	kWh/a
standby mode	Psb	4	w	heating / Average	Qhe	804	kWh/a
thermostat-off mode	Pto(cooling) Pto(heatling)	10 11	w	heating / Warmer heating / colder	Qhe Qhe	784	kWh/a kWh/a
crankcase heater mode	Pck	0	w				
Capacity control(indicate one of thre	e options)			Other items	Luca		7.15(4)
				Sound power level(indoor) Sound power level(outdoor)	Lwa Lwa	50 56	dB(A) dB(A)
fixed	No			Global warming potential	GWP	675	db(/t) kgCO₂eq
staged	No			Rated air flow(indoor)	-	594	m³/h
variable	Yes			Rated air flow(outdoor)	-	1644	m³/h
Contact details for obtaining Na	me and address of the	he manufo	cturer or	of its authorised representative.			
-	U) MHIAE SERVICE:		Start Uf	от на автопоса гергезентатуе.			
	Herikerbergweg 238,	Luna Are		CM Amsterdam, Netherlands. P.O.Box 2	3393 1100 DW Am	sterdam, l	Netherlands
	K) Mitsubishi Heavy I 5 The Square, Stock			tioning Europe, Ltd Middlesex, UB11 1ET,United Kingdom			
		٠, ٠ ١١٨, ١	agc,	,			

			П.,			
Information to identify the model(s) to			If function includes heating: Indicate the			
Indoor unit model name	SRK25ZS-V		information relates to. Indicated values s			
Outdoor unit model name	SRC25ZS-V	V1	heating season at a time. Include at leas	it the heating s	season 'Ave	erage'.
			¬	.,		
Function(indicate if present)			Average(mandatory)	Yes		
cooling	Yes Yes		Warmer(if designated) Colder(if designated)	Yes No		
heating	Tes		Colder(ii designated)	NU		
Item	symbol	value unit	Item	symbol	value	class
Design load	Symbol	value unit	Seasonal efficiency and energy efficience		value	Ciuoo
cooling	Pdesignc	2.50 kW	cooling	SEER	8.50	A+++
heating / Average	Pdesignh	2.70 kW	heating / Average	SCOP/A	4.70	A++
heating / Warmer	Pdesignh	3.30 kW	heating / Warmer	SCOP/W	5.90	A+++
heating / Colder	Pdesignh	- kW	heating / Colder	SCOP/C		T -
		, ,,,,,				unit
Declared capacity at outdoor tempera	ture Tdesignh		Back up heating capacity at outdoor tem	perature Tdes	signh	
heating / Average (-10°C)	Pdh	2.70 kW	heating / Average (-10°C)	elbu	-	kW
heating / Warmer (2°C)	Pdh	3.30 kW	heating / Warmer (2°C)	elbu	-	kW
heating / Colder (-22°C)	Pdh	- kW	heating / Colder (-22°C)	elbu	-	kW
Declared capacity for cooling, at indoo	or temperature 27(19)°C and	Declared energy efficiency ratio, at indoor	or temperature	27(19)°C a	and
outdoor temperature Tj			outdoor temperature Tj			_
Tj=35°C	Pdc	2.50 kW	Tj=35°C	EERd	4.03	
Tj=30°C	Pdc	1.80 kW	Tj=30°C	EERd	6.45	
Tj=25°C	Pdc	1.11 kW	Tj=25°C	EERd	11.80	
Tj=20°C	Pdc	1.10 kW	Tj=20°C	EERd	18.20	-
Declared capacity for heating / Average		or	Declared coefficient of performance / Av		, at indoor	
temperature 20°C and outdoor temper	-		temperature 20°C and outdoor temperature	ure Tj		_
Tj=-7°C	Pdh	2.40 kW	Tj=-7°C	COPd	2.50	_ -
Tj=2°C	Pdh	1.40 kW	Tj=2°C	COPd	4.92	_ -
Tj=7°C	Pdh	0.95 kW	Tj=7°C	COPd	6.15	
Tj=12°C	Pdh	1.10 kW	Tj=12°C	COPd	7.86	
Tj=bivalent temperature	Pdh	2.70 kW	Tj=bivalent temperature	COPd	2.40	
Tj=operating limit	Pdh	2.70 kW	Tj=operating limit	COPd	2.40	-
Declared capacity for heating / Warme	er season, at indoo	r	Declared coefficient of performance / Wa	armer season,	at indoor	
temperature 20°C and outdoor temper	ature Tj		temperature 20°C and outdoor temperature	ure Tj		_
Tj=2°C	Pdh	3.30 kW	Tj=2°C	COPd	2.70	
Tj=7°C	Pdh	2.10 kW	Tj=7°C	COPd	5.23	
Tj=12°C	Pdh	1.10 kW	Tj=12°C	COPd	7.86	
Tj=bivalent temperature	Pdh	3.30 kW	Tj=bivalent temperature	COPd	2.70	
Tj=operating limit	Pdh	3.30 kW	Tj=operating limit	COPd	2.70	-
Declared capacity for heating / Colder	season, at indoor		Declared coefficient of performance / Co	lder season, a	at indoor	
temperature 20°C and outdoor temper	ature Tj		temperature 20°C and outdoor temperature	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	-	-
Bivalent temperature			Operating limit temperature			_
heating / Average	Tbiv	-10 °C	heating / Average	Tol	-10	°C
heating / Warmer	Tbiv	2 ℃	heating / Warmer	Tol	2	_ ℃
heating / Colder	Tbiv	- ℃	heating / Colder	Tol	-	°C
Cycling interval capacity			Cycling interval efficiency			٦
for cooling	Pcycc	- kW	for cooling	EERcyc		 -
for heating	Pcych	- kW	for heating	COPcyc]-
Degradation coefficient			Degradation coefficient			٦
cooling	Cdc	0.25 -	heating	Cdh	0.25	<u> -</u>
			Tr.			
Electric power input in power modes of			Annual electricity consumption	_		٦
off mode	Poff	4 W	cooling	Qce	103	kWh/a
standby mode	Psb	4 W	heating / Average	Qhe	804	kWh/a
thermostat-off mode	Pto(cooling)	10 W	heating / Warmer	Qhe	784	kWh/a
	Pto(heatling)	11 W	heating / colder	Qhe	-	kWh/a
crankcase heater mode	Pck	0 W	_			
Operation and Market 1			Oth 14			
Capacity control(indicate one of three	options)		Other items	1		740.45
			Sound power level(indoor)	Lwa	50	dB(A)
Since d			Sound power level(outdoor)	Lwa	56	dB(A)
fixed	No.		Global warming potential	GWP	675	kgCO ₂ ec
staged	No		Rated air flow(indoor)	-	594	m³/h
variable	Yes		Rated air flow(outdoor)	-	1644	m³/h
Contact datails for all 1	a and colder	ha mani-ft-	f its sutherized as			
_	e and address of t MHIAE SERVICE		f its authorised representative.			
			CM Amsterdam, Netherlands. P.O.Box 23393	1100 DW A~	sterdam N	Jetherland
		Industries Air-Conditi				u · o i iui it
			Middlesex, UB11 1ET, United Kingdom			



information to identify the model job while the information related to inforce out model name Section of the content of the				-11			
Decision (include in Figererit) Vest							
Function (indicated if present) Cooling							
Yes	Outdoor unit model name	SRC25ZS-V	N2	heating season at a time. Include a	at least the heating s	eason 'Ave	erage'.
Yes				¬l			
Section Sect							
Earn	-			-1 1			
Declared composition Polesign 2.20 W Polesign 2.70 W Polesign 2.70 W Polesign 3.20 W	neating	Yes		[Colder(if designated)	No		
Declared composition Polesign 2.20 W Polesign 2.70 W Polesign 2.70 W Polesign 3.20 W	Maria	er mede et		Marin.			-1
Declared Capacity for Coding, at Indoor temperature 27(19)**C and auditor temperature 17 17-90**C Pole 1.10 W 17-90**C EERd 6.45 17-90**C Pole 1.10 W 17-90**C Pol		Symbol	value uriit			value	Class
Nearing / Average Possiph 3.0 W Poss	-	Delaniana	2.50			0.50	T
Declared Capacity at outdoor temperature Tidesignh	_	_		111 -			
Declared capacity at outdoor temperature Telesignh heating / Average (-10°C) Poh		-					
Declared capacity at outdoor temperature Tidesign's heating / Average (-10°C) Poth 3.20°W heating / Average (-10°C) ebu W heating / Colder (-22°C) ebu	_	-		-			
Declared capacity at outdoor temperature Totesignh- healting / Average (1-01°C)	neating / Colder	Pdesignn	- KVV	[heating / Colder	SCOP/C	-	
Peaching / Average (-10°C) Pdh 3.30 W Peaching / Average (-10°C) elbu _ W W Peaching / Average (-10°C) elbu _ W W Peaching / Average (-10°C) elbu _ W W Peaching / Colder (-22°C) Pdh . W Peaching / Colder (-22°C) elbu _ W Peaching / Colder (-22°C) elbu _ W Peaching / Average easeon, at Indoor Peroperature 27°C and outdoor temperature 1 Peaching / Wilmers easeon, at Indoor temperature 27°C and outdoor temperature 27°C and outdoor temperature 1 Peaching / Wilmers easeon, at Indoor temperature 27°C and outdoor temperature 1 Peaching / Wilmers easeon, at Indoor temperature 27°C and outdoor temperature 1 Peaching / Wilmers easeon, at Indoor temperature 27°C and outdoor temperature 1 Peaching / Wilmers easeon, at Indoor temperature 27°C and outdoor temperature 1 Peaching / Wilmers easeon, at Indoor temperature 27°C and outdoor temperature 1 Peaching / Wilmers easeon, at Indoor temperature 27°C and outdoor temperature 1 Peaching / Wilmers easeon, at Indoor temperature 27°C and outdoor temperature 1 Peaching / Wilmers easeon, at Indoor temperature 27°C and outdoor temperature 1 Peaching / Wilmers easeon, at Indoor temperature 27°C and outdoor temperature 1 Peaching / Wilmers easeon, at Indoor temperature 27°C and outdoor temperature 1 Peaching / Wilmers easeon, at Indoor temperature 27°C and outdoor temperature 1 Peaching / Wilmers easeon,	Dealers described to the state of the state	ation Talestook		Deal on heating and it at a state	t	lana la	unit
Path Declared (2CT) Pith			0.70				المدر
Declared capacity for cooling, all indoor temperature 27(19)**Co and custoor temperature 27(19)**Co							
Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature 71 758°C				11 -		_	-
Declared capacity for healing / Average season, at indoor temperature 20°C and outdoor temperature 7 17-27°C Pdc 1.10 W 17-27°C 1.10 W 17-27°C 1.10 W 17-27°C Pdc 1.10 W 17-27°C	neating / Colder (-22°C)	Pan	- KVV	neating / Colder (-22°C)	elbu	-	KVV
Declared capacity for healing / Average season, at indoor temperature 20°C and outdoor temperature 7 17-27°C Pdc 1.10 W 17-27°C 1.10 W 17-27°C 1.10 W 17-27°C Pdc 1.10 W 17-27°C	Destand and the feet and line at least		40)00			07/40\00	d
17-35°C		or temperature 27(19) C and		indoor temperature	27(19) C 8	anu
Tip-30°C							٦
Tip-28°C				111.5			
Declared capacity for heating / Average season, at indoor temperature 20°C and outdoor temperature 7 Tip-70°C				111.5			-
Declared capacity for healing / Average season, at indoor temperature 20°C and outdoor temperature 17 Put 17-0°C Pdh 1.40 LW Pdh 1.40 LW Pdh 1.10 LW P	1 *			11.			-
Emperature 20°C and outdoor temperature T T -7-7°C	Tj=20°C	Pdc	1.10 kW	Tj=20°C	EERd	18.20	-
Emperature 20°C and outdoor temperature T T -7-7°C							
Tj-7c			or			at indoor	
Tip=2'C	1 '	-		11 '			٦
Tj = 7'C				11.			 -
Tip-EVC Pich 1.10 kW Tip-bivalent temperature Pch 2.70 kW Tip-bivalent temperature COPd 2.40 l. Tip-bivalent temperature COPd 2.70 l. Tip-COPd 2.40 l. Tip-bivalent temperature COPd 2.70 l. Tip-COPd 2.70 l		Pdh	1.40 kW	111.5	COPd	4.92	
Pichwalent temperature	Tj=7°C	Pdh	0.95 kW	Tj=7°C	COPd	6.15	
Declared capacity for healting / Warmer season, at indoor temperature 20°C and outdoor temperature 20	Tj=12°C	Pdh	1.10 kW	Tj=12°C	COPd	7.86	-
Declared capacity for heating / Warmer season, at indoor temperature 20°C and outdoor temperature 1] Tj-2°C	Tj=bivalent temperature	Pdh	2.70 kW	Tj=bivalent temperature	COPd	2.40]-
Declared capacity for healing / Warmer season, at indoor temperature 17 17-2°C		Pdh	2.70 kW	Tj=operating limit	COPd	2.40]-
Immperature 20°C and outdoor temperature T T T T T T T T T T							-
Tj=2°C	Declared capacity for heating / Warm	ner season, at indoo	or	Declared coefficient of performance	e / Warmer season,	at indoor	
Tj = Tc	temperature 20°C and outdoor temperature	erature Tj		temperature 20°C and outdoor tem	perature Tj		
Tj = 12°C	Tj=2°C	Pdh	3.30 kW	Tj=2°C	COPd	2.70	7-
Tj = 12°C	Tj=7°C	Pdh	2.10 kW	Tj=7°C	COPd	5.23	1-
Tj-bivalent temperature Pdh 3.30 kW Tj-bivalent temperature COPd 2.70 - Tj-operating limit COPd 2.70 - Declared capacity for heating / Colder season, at indoor temperature 20°C and outdoor temperature Tj Tj-7°C Pdh - kW Tj-7°C COPd - Tj-7°C COPd - Tj-7°C Pdh - kW Tj-7°C COPd - Tj-7°C COPd - Tj-7°C COPd - Tj-7°C COPd - Tj-1°C COPd - Tj-1°C Pdh - kW Tj-8°C COPd - Tj-1°C COPd - Tj		Pdh		111.5	COPd		1.
Ti=operating limit Pdh 3.30 kW Ti=operating limit COPd 2.70 - Declared capacity for heating / Colder season, at indoor temperature 20°C and outdoor temperature Ti Ti=-7°C Pdh - kW Ti=-7°C COPd Ti=-7°C Pdh - kW Ti=-2°C COPd Ti=12°C Pdh - kW Ti=12°C COPd Ti=12°C Pdh - kW Ti=12°C COPd Ti=15°C COPd Ti=15°C COPd Ti=15°C COPd Ti=-bivalent temperature Ti Ti=-bivalent temperature COPd Ti=-bivalent temperature Ti Ti=-biv	*						1.
Declared capacity for heating / Colder season, at indoor temperature 20°C and outdoor temperature Ti Tij7°C Pdh - kW Tij2°C Pdh - kW Tij2°C COPd Tij2°C Pdh - kW Tij2°C COPd Tij7°C Pdh - kW Tij2°C COPd - Tij2°C COPd Tij2°C COPd - Tij2°C COPd - Tij2°C COPd -				111.5			1_
temperature 20°C and outdoor temperature Tj Tj=-7°C Pdh NW Tj=-2°C Pdh ND Tj=-2°C	Ty operating min		0.00	in operating innit	00.0		
temperature 20°C and outdoor temperature Tj Tj=-7°C Pdh NW Tj=-2°C Pdh ND Tj=-2°C	Declared capacity for heating / Colds	er season, at indoor		Declared coefficient of performance	e / Colder season, a	at indoor	
Tj=2°C Pdh - kW Tj=2°C COPd			- kW				٦.
Tj=7°C				111.5			1_
Tj=12°C Pdh				111.5		_	1.
Tj=bivalent temperature Pdh				111.5			┧.
Tj=operating limit Tj=-15°C Pdh Pdh Rdh Rdh Tj=-15°C Tol Tj=-15°C Tol Tol Tj10°C Tol	=			111.5			1
Tj=-15°C Pdh kW Tj=-15°C COPd - Bivalent temperature heating / Average Tbiv -10 °C heating / Average Tol -10 °C heating / Colder Tbiv -10 °C heating / Warmer Tol 2 °C heating / Colder Tol -10 °C heating / Colder Tol -10 °C heating / Colder Tol -10 °C heating / Colder Tol -10 °C heating / Colder Tol -10 °C heating / Colder Tol -10 °C heating / Colder Tol -10 °C heating / Colder Tol -10 °C heating / Colder Tol -10 °C heating / Colder Tol -10 °C heating / Colder Tol -10							-
Bivalent temperature heating / Average Tbiv -10 °C heating / Warmer Tbiv 2 °C heating / Warmer Tbiv 2 °C heating / Warmer Toiv -10 °C heating / Warmer Toiv -2 °C heating / Colder Toiv -3 °C heating / Colder -3 °C heating / Colder	1			11111		-	-
heating / Average	1j=-15 C	Pull	- KVV	[1]=-15 C	COPa	-	1-
heating / Average	Divolent temperature			Operating limit temperature			
heating / Warmer heating / Colder Tolv - °C heating / Colder Tol - °C heating / Colder heating / Colder heating / Colder heating / Colder Tol - °C heating / Colder Tol - °C heating / Colder Tol - °C heating / Colder Tol - °C heating / Colder heating / Colde	*	Thiy	-10 °C	11 '	Tol	-10	7∘c
heating / Colder Tbiv - °C heating / Colder Tol - °C Cycling interval capacity for cooling Pcych - kW for cooling Pcych - kW for heating COPcyc Degradation coefficient Cooling Cd 0.25 - Degradation coefficient heating Cdh 0.25 - Degradation coefficient heating Cooling Cdh 0.25 - Degradation coefficient heating Cdh 0.25 - Degradation coefficient heating Cdh 0.25 - Degradation coefficient heating Cooling Cdh 0.25 - Degradation coefficient heating Cooling Cdh 0.25 - Degradation coefficient heating Cdh 0.25 - Degradation coefficient heating Cooling Cdh 0.25 - Degradation coefficient heating Cdh 0.25 - Degradation coeff							- _
Cycling interval capacity for cooling Pcych - kW for cooling EERcyc	_			"			-
for cooling	rieating / Colder	TDIV	- IC	rieating / Colder	101		10
for cooling	Cycling interval capacity			Cycling interval efficiency			
for heating Poych - kW for heating COPcyc Degradation coefficient cooling Cdc 0.25 - Degradation coefficient heating Cdh 0.25 - Electric power input in power modes other than 'active mode' off mode Poff 4 W heating Average Qhe 80.4 kWh/a thermostat-off mode Pic(cooling) 10 W heating / Average Qhe 78.4 kWh/a heating / Colder Qhe - kWh/a crankcase heater mode Pck 0 W Capacity control(indicate one of three options) Capacity control(indicate one of three options) Other items Sound power level(indoor) Lwa 50 dB(A) Sound power level(outdoor) Lwa 56 dB(A) Sound power level(outdoor) Lwa 56 dB(A) Sound power level(outdoor) - 594 m³/h Rated air flow(indoor) - 594 m³/h Rated air flow(indoor) - 1644 m³/h Contact details for obtaining more information Name and address of the manufacturer or of its authorised representative. (EU) MHIAE SERVICES B.V. Herikerbergweg 238, Luna ArenA, 1101 CM Amsterdam, Netherlands. P.O.Box 23393 1100 DW Amsterdam, Netherlands.		Prvcc	- kw		FFReve	_	7_
Degradation coefficient cooling		-		11 -	-		1
Cooling Cdc 0.25 -	ioi rieating	1 Cycli	-	lor reating	COLCYC		_I
Cooling Cdc 0.25 -	Degradation coefficient			Degradation coefficient			
Electric power input in power modes other than 'active mode' off mode Poff Poff Poff Poff Poff Polo(cooling) Polo(-	Cdc	0.25	11 -	Cdh	0.25]_
off mode standby mode Poff 4 W thermostat-off mode Psb 4 W thermostat-off mode Protocoling) 10 W Protocoling) 11 W to crankcase heater mode Pck 0 W Capacity control(indicate one of three options) Other items Sound power level(indoor) Lwa 56 dB(A) Sound power level(outdoor) Lwa 56 dB(A) Global warming potential GWP 675 kgCO_zec staged No No Rated air flow(indoor) - 594 m³/h variable Yes				1			-
off mode standby mode Poff 4 W thermostat-off mode Psb 4 W thermostat-off mode Protocoling) 10 W Protocoling) 11 W to crankcase heater mode Pck 0 W Capacity control(indicate one of three options) Other items Sound power level(indoor) Lwa 56 dB(A) Sound power level(outdoor) Lwa 56 dB(A) Global warming potential GWP 675 kgCO_zec staged No No Rated air flow(indoor) - 594 m³/h variable Yes	Electric power input in power modes	other than 'active n	node'	Annual electricity consumption			
standby mode Psb 4 W thermostat-off mode Procooling) Pto(heatling) 10 W Procheatling) 11 W Crankcase heater mode Pck 0 W Capacity control(indicate one of three options) Capacity control(indicate one of three options) Other items Sound power level(indoor) Lwa 50 dB(A) Sound power level(indoor) Lwa 56 dB(A) Sound power level(in				11	Qce	103	kWh/a
thermostat-off mode Pto(cooling) Pto(heatling) Pto(heatling) Pto (heatling) Pto (111 -			
Pto(heatling) 11 W Capacity control(indicate one of three options) No Sound power level(indoor) Sound power level(outdoor) Lwa 50 dB(A) Sound power level(outdoor) Lwa 56 dB(A) Global warming potential GWP 675 kgCO-et Rated air flow(indoor) Rated air flow(outdoor) - 594 m³/h Rated air flow(outdoor) - 1644 m³/h Contact details for obtaining more information Name and address of the manufacturer or of its authorised representative. (EU) MHIAE SERVICES B.V. Herikerbergweg 238, Luna ArenA, 1101 CM Amsterdam, Netherlands. P.O.Box 23393 1100 DW Amsterdam, Netherlands.	1 -						_
Capacity control(indicate one of three options) Capacity control(indicate one of three options) Other items Sound power level(indoor) Sound power level(outdoor) Lwa 56 dB(A) Sound power level(outdoor) Lwa 56 dB(A) Global warning potential GWP 675 kgCO-ec Rated air flow(indoor) - Sound power level(outdoor) Lwa 56 dB(A) Fixed Sound power level(outdoor) Rated air flow(outdoor) - Sound power level(indoor) - Sound power l	lifermostat-on mode					704	_
Capacity control(indicate one of three options) Other items Sound power level(indoor) Lwa 56 dB(A) Sound power level(outdoor) Lwa 56 dB(A) Global warming potential GWP 675 kgCO.ee staged No variable Yes Rated air flow(indoor) Rated air flow(outdoor) - 594 m³/h Rated air flow(outdoor) - 1644 m³/h Contact details for obtaining more information Name and address of the manufacturer or of its authorised representative. (EU) MHIAE SERVICES B.V. Herikerbergweg 238, Luna ArenA, 1101 CM Amsterdam, Netherlands. P.O.Box 23393 1100 DW Amsterdam, Netherland	crankcase heater mode			rieating / colder	QIIE		KVVII/a
Sound power level(indoor) Lwa 50 dB(A) Sound power level(outdoor) Lwa 56 dB(A) Sound power level(outdoor) Sound power level(outdoor) Lwa 56 dB(A) Global warming potential Sound power level(outdoor) Sound power level(outdoor) Lwa 56 dB(A) Global warming potential GWP 675 kgCO-zer Rated air flow(indoor) Rated air flow(outdoor) - 594 m³/h Rated air flow(outdoor) - 1644 m³/h Contact details for obtaining more information Name and address of the manufacturer or of its authorised representative. (EU) MHIAE SERVICES B.V. Herikerbergweg 238, Luna ArenA, 1101 CM Amsterdam, Netherlands. P.O.Box 23393 1100 DW Amsterdam, Netherland	oralinoade neater mode	1 00	, 5 144	_			
Sound power level(indoor) Lwa 50 dB(A) Sound power level(outdoor) Lwa 56 dB(A) Sound power level(outdoor) Sound power level(outdoor) Lwa 56 dB(A) Global warming potential Sound power level(outdoor) Sound power level(outdoor) Lwa 56 dB(A) Global warming potential GWP 675 kgCO-zer Rated air flow(indoor) Rated air flow(outdoor) - 594 m³/h Rated air flow(outdoor) - 1644 m³/h Contact details for obtaining more information Name and address of the manufacturer or of its authorised representative. (EU) MHIAE SERVICES B.V. Herikerbergweg 238, Luna ArenA, 1101 CM Amsterdam, Netherlands. P.O.Box 23393 1100 DW Amsterdam, Netherland	Capacity control(indicate one of three	e options)		Other items			
fixed No Sound power level(outdoor) Lwa 56 dB(A) Global warming potential GWP 675 kgCO ₂ ec staged No Yes Rated air flow(indoor) - 1644 m³/h Contact details for obtaining more information (EU) MHIAE SERVICES B.V. Herikerbergweg 238, Luna ArenA, 1101 CM Amsterdam, Netherlands. P.O.Box 23393 1100 DW Amsterdam, Netherlands.	Sapasity control(mulcate one of title	o optiono,			Lwa	50	T _{dB(A)}
fixed No No Global warming potential GWP 675 kgCO2et staged No Yes Rated air flow(indoor) - 1644 m³/h Contact details for obtaining more information (EU) MHIAE SERVICES B.V. Herikerbergweg 238, Luna ArenA, 1101 CM Amsterdam, Netherlands. P.O.Box 23393 1100 DW Amsterdam, Netherlands.							
staged No Yes Rated air flow(indoor) - 594 m³/h Rated air flow(outdoor) - 1644 m³/h Contact details for obtaining more information (EU) MHIAE SERVICES B.V. Herikerbergweg 238, Luna ArenA, 1101 CM Amsterdam, Netherlands. P.O.Box 23393 1100 DW Amsterdam, Netherlands.	Event			-11			
variable Yes Rated air flow(outdoor) - 1644 m³/h Contact details for obtaining more information (EU) MHIAE SERVICES B.V. Herikerbergweg 238, Luna ArenA, 1101 CM Amsterdam, Netherlands. P.O.Box 23393 1100 DW Amsterdam, Netherlands.				-1 1	GWP		
Contact details for obtaining more information Name and address of the manufacturer or of its authorised representative. (EU) MHIAE SERVICES B.V. Herikerbergweg 238, Luna ArenA, 1101 CM Amsterdam, Netherlands. P.O.Box 23393 1100 DW Amsterdam, Netherlands.	_ =				-		
more information (EU) MHIAE SERVICES B.V. Herikerbergweg 238, Luna ArenA, 1101 CM Amsterdam, Netherlands. P.O.Box 23393 1100 DW Amsterdam, Netherland	varidule	res		Ivaren ali ilow(onidoor)	-	1044	Tut-/II
more information (EU) MHIAE SERVICES B.V. Herikerbergweg 238, Luna ArenA, 1101 CM Amsterdam, Netherlands. P.O.Box 23393 1100 DW Amsterdam, Netherland	Contact details for obtaining	me and address of t	he manufactures re-	of ite authorised representative			
Herikerbergweg 238, Luna ArenA, 1101 CM Amsterdam, Netherlands. P.O.Box 23393 1100 DW Amsterdam, Netherland				л по authoriseu representative.			
				CM Amsterdam Netherlands P O Pov	23393 1100 DW Am	isterdam N	Vetherland
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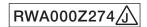


Model SRK35ZS-WFB

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Information to identify the model(s) to			to:	If function includes heating: Indicate			
Indoor unit model name	SRK35ZS-W			information relates to. Indicated valu			
Outdoor unit model name	SRC35ZS-W			heating season at a time. Include at	least the heating s	eason 'Ave	erage'.
				٦			
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 effic			
cooling	Pdesignc	3.50	kW	cooling	SEER	8.40	A++
_	-		kW	11 -			
heating / Average	Pdesignh	3.00	1	heating / Average	SCOP/A	4.70	A++
heating / Warmer	Pdesignh	3.70	kW	heating / Warmer	SCOP/W	6.00	A+++
heating / Colder	Pdesignh	-	kW	heating / Colder	SCOP/C	-	-
							unit
Declared capacity at outdoor tempera	ature Tdesignh		_	Back up heating capacity at outdoor	temperature Tdesi	ignh	,
heating / Average (-10°C)	Pdh	3.00	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
,	-	-	-	,			
Declared capacity for cooling, at indo	or temperature 27(1	9)°C and		Declared energy efficiency ratio, at in	ndoor temperature	27(19)°C a	and
	or temperature 27(1	o) o ana			nador temperature	27(10)00	and
outdoor temperature Tj			7	outdoor temperature Tj			7
Tj=35°C	Pdc	3.50	kW	Tj=35°C	EERd	3.82	-
Tj=30°C	Pdc	2.58	kW	Tj=30°C	EERd	5.82	-
Tj=25°C	Pdc	1.60	kW	Tj=25°C	EERd	11.20	-
Tj=20°C	Pdc	1.07	kW	Tj=20°C	EERd	18.50]-
Declared capacity for heating / Avera	ge season, at indoo	r		Declared coefficient of performance	/ Average season	at indoor	
temperature 20°C and outdoor temperature				temperature 20°C and outdoor temperature		at muoor	
	Pdh	205	المرمر	11 '	-	2 50	٦
Tj=-7°C		2.65	kW	Tj=-7°C	COPd	2.50	-
Tj=2°C	Pdh	1.62	kW	Tj=2°C	COPd	4.92	
Tj=7°C	Pdh	1.04	kW	∏j=7°C	COPd	6.10	
Tj=12°C	Pdh	1.16	kW	Tj=12°C	COPd	7.86	-
Tj=bivalent temperature	Pdh	3.00	kW	Tj=bivalent temperature	COPd	2.40	1_
Tj=operating limit	Pdh	3.00	kW	Tj=operating limit	COPd	2.40	1_
1]-operating limit	Full	3.00	IVAA	[1]-operating limit	COFU	2.40	-
Dealers described for beating (Manual				Declared as officient of a officient	/11/	-414	
Declared capacity for heating / Warm				Declared coefficient of performance		at indoor	
temperature 20°C and outdoor temperature			7	temperature 20°C and outdoor temperature			7
Tj=2°C	Pdh	3.70	kW	Tj=2°C	COPd	2.80	<u> </u> -
Tj=7°C	Pdh	2.38	kW	Tj=7°C	COPd	5.20	-
Tj=12°C	Pdh	1.16	kW	Tj=12°C	COPd	7.86	1-
Tj=bivalent temperature	Pdh	3.70	kW	Tj=bivalent temperature	COPd	2.80	1_
1 *	Pdh	3.70	kW	Tj=operating limit	COPd	2.80	1
Tj=operating limit	Full	3.70	IVAA	[1]-operating limit	COFU	2.00	-
				1			
Declared capacity for heating / Colde				Declared coefficient of performance		t indoor	
temperature 20°C and outdoor temperature	rature Tj		_	temperature 20°C and outdoor temperature	erature 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		1_
1 *			kW	111 -			1
Tj=bivalent temperature	Pdh		7	Tj=bivalent temperature	COPd		-
Tj=operating limit	Pdh	-	kW	Tj=operating limit	COPd		+
Tj=-15°C	Pdh	-	kW		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	-	l⊸c	heating / Colder	Tol	-	℃
<u> </u>	·	-	1	1	-		-
Cycling interval canceity				Cycling interval efficiency			
Cycling interval capacity	Decree		الممر	11 ' "	FFD		٦
for cooling	Pcycc	-	kW	for cooling	EERcyc	-	+
for heating	Pcych	-	kW	for heating	COPcyc		-
				1			
Degradation coefficient			-	Degradation coefficient			-
cooling	Cdc	0.25	<u> -</u>	heating	Cdh	0.25	
Electric power input in power modes	other than 'active me	ode'		Annual electricity consumption			
off mode	Poff	4	w	cooling	Qce	146	kWh/a
standby mode	Psb	4	w	heating / Average	Qhe	895	kWh/a
-			-	11 -			7
thermostat-off mode	Pto(cooling)	10	w	heating / Warmer	Qhe	863	kWh/a
	Pto(heatling)	11	W	heating / colder	Qhe	_	kWh/a
crankcase heater mode	Pck	0	W	_			
				1			
Capacity control(indicate one of three	e options)			Other items			-
				Sound power level(indoor)	Lwa	54	dB(A)
				Sound power level(outdoor)	Lwa	61	dB(A)
fixed	Al a				GWP		T
fixed	No			Global warming potential	GWP	675	kgCO ₂ eq.
staged	No			Rated air flow(indoor)	-	678	m³/h
variable	Yes			Rated air flow(outdoor)	-	1890	m³/h
1							
Contact details for obtaining Nar							
- 1			cturer or of	its authorised representative.			
more information (EU) MHIAE SERVICES	S B.V.					
more information (EU) MHIAE SERVICES lerikerbergweg 238,	S B.V. Luna Aren	A, 1101 CN	M Amsterdam, Netherlands. P.O.Box 23	393 1100 DW Ams	sterdam, N	etherlands
more information (EU) MHIAE SERVICES lerikerbergweg 238, i) Mitsubishi Heavy I	S B.V. Luna Aren ndustries A	A, 1101 CN	M Amsterdam, Netherlands. P.O.Box 23	393 1100 DW Ams	sterdam, N	etherlands

				П			
Information to identify the model(s) t	to which the informat	tion relates	to:	If function includes heating: Indicate	the heating seaso	n the	
Indoor unit model name	SRK35ZS-V	VFB		information relates to. Indicated valu	ues should relate to	one	
Outdoor unit model name	SRC35ZS-V	V1		heating season at a time. Include at	least the heating s	eason 'Ave	rage'.
				_			
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 effic			
cooling	Pdesignc	3.50	kW	cooling	SEER	8.40	A++
heating / Average	Pdesignh	3.00	kW	heating / Average	SCOP/A	4.70	A++
heating / Warmer	Pdesignh	3.70	kW	heating / Warmer	SCOP/W	6.00	A+++
heating / Colder		-	kW	heating / Colder	SCOP/C		- 7,111
rieating / Colder	Pdesignh		KVV	rieaurig / Colder	SCOP/C	-	
				76			unit
Declared capacity at outdoor tempe heating / Average (-10°C)		3.00	kW	Back up heating capacity at outdoor			kW
0 0 1 /	Pdh		-	heating / Average (-10°C)	elbu	-	+
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
				—			
Declared capacity for cooling, at ind	oor temperature 27(19)℃ and		Declared energy efficiency ratio, at i	ndoor temperature	27(19)°C a	ind
outdoor temperature Tj		_	-	outdoor temperature Tj			1
Tj=35°C	Pdc	3.50	kW	Tj=35°C	EERd	3.82	-
Tj=30°C	Pdc	2.58	kW	Tj=30°C	EERd	5.82	_
Tj=25°C	Pdc	1.60	kW	Tj=25°C	EERd	11.20	
Tj=20°C	Pdc	1.07	kW	Tj=20°C	EERd	18.50	-
Declared capacity for heating / Aver	age season, at indoo	or		Declared coefficient of performance	/ Average season	at indoor	
temperature 20°C and outdoor temp				temperature 20°C and outdoor temp			
Tj=-7°C	Pdh	2.65	kW	Tj=-7°C	COPd	2.50]_
Tj=2°C	Pdh	1.62	kW	Tj=2°C	COPd	4.92	1.
Ti=7°C	Pdh	1.04	kW	Ti=7°C	COPd	6.10	1_
Tj=12°C	Pdh	1.16	kW	Tj=12°C	COPd	7.86	f
=			-				ľ
Tj=bivalent temperature	Pdh	3.00	kW	Tj=bivalent temperature	COPd	2.40	-
Tj=operating limit	Pdh	3.00	kW	Tj=operating limit	COPd	2.40	-
Declared capacity for heating / Warr		r		Declared coefficient of performance		at indoor	
temperature 20°C and outdoor temp			-	temperature 20°C and outdoor temp			1
Tj=2°C	Pdh	3.70	kW	Tj=2°C	COPd	2.80	<u> </u> -
Tj=7°C	Pdh	2.38	kW	Tj=7°C	COPd	5.20	_
Tj=12°C	Pdh	1.16	kW	Tj=12°C	COPd	7.86	_
Tj=bivalent temperature	Pdh	3.70	kW	Tj=bivalent temperature	COPd	2.80]_
Tj=operating limit	Pdh	3.70	kW	Tj=operating limit	COPd	2.80	1.
Declared capacity for heating / Cold	er season, at indoor			Declared coefficient of performance	/ Colder season, a	t indoor	
temperature 20°C and outdoor temp				temperature 20°C and outdoor temp			
Tj=-7°C	Pdh		kW	Tj=-7°C	COPd		1_
Tj=2°C	Pdh		kW	Tj=2°C	COPd	-	1_
Tj=7°C	Pdh	-	kW	Tj=7°C	COPd	-	
Tj=12°C	Pdh		kW	Tj=12°C	COPd	-	
-		<u> </u>	kW				ſ
Tj=bivalent temperature	Pdh	-	-	Tj=bivalent temperature	COPd	-	1
Tj=operating limit	Pdh	-	kW	Tj=operating limit	COPd	-	 -
Tj=-15°C	Pdh	-	kW	Tj=-15°C	COPd	-	ļ-
				¬ [.			
Bivalent temperature			٦.	Operating limit temperature			1.
heating / Average	Tbiv	-10	°C	heating / Average	Tol	-10	T _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	-
Electric power input in power modes	other than 'active m	node'		Annual electricity consumption			
off mode	Poff	4	w	cooling	Qce	146	kWh/a
standby mode	Psb	4	w	heating / Average	Qhe	895	kWh/a
thermostat-off mode	Pto(cooling)	10	w	heating / Warmer	Qhe	863	kWh/a
a.o.mostat on mode	Pto(cooling) Pto(heatling)	11	w	heating / volder	Qhe	- 003	kWh/a
arankaasa haatar mada			w	ineating / colder	QIIE		IVANII/Q
crankcase heater mode	Pck	0	IAA				
One of the control of	4:>			04			
Capacity control(indicate one of three	ee options)			Other items			1
				Sound power level(indoor)	Lwa	54	dB(A)
				Sound power level(outdoor)	Lwa	61	dB(A)
fixed	No			Global warming potential	GWP	675	kgCO₂eq.
staged	No			Rated air flow(indoor)	-	678	m³/h
variable	1			Rated air flow(outdoor)	-	1890	m³/h
Ĭ	Yes						
	Yes						
Contact details for obtaining Na	·	he manufac	turer or o	f its authorised representative.			
more information (E	me and address of t	S B.V.		f its authorised representative.			
more information (E	me and address of t	S B.V.			3393 1100 DW Am	sterdam, N	etherlands
more information (E	ime and address of t U) MHIAE SERVICE Herikerbergweg 238 K) Mitsubishi Heavy	S B.V. , Luna Aren Industries A	A, 1101 C	f its authorised representative.	3393 1100 DW Am	sterdam, N	etherlands

				П			
Information to identify the model(to:	If function includes heating: Indica			
Indoor unit model name	SRK35ZS-V			information relates to. Indicated v			
Outdoor unit model name	SRC35ZS-V	NZ		heating season at a time. Include	at least the neating s	season Av	erage.
Function (indicate if present)				Average (mandatanı)	Vac		
Function(indicate if present) cooling	Yes			Average(mandatory) Warmer(if designated)	Yes Yes		
heating	Yes			Colder(if designated)	No		
ricating	103			Golder (ir designated)	110		
Item	symbol	value	unit	Item	symbol	value	class
Design load				Seasonal efficiency and energy e			
cooling	Pdesignc	3.50	kW	cooling	SEER	8.40	A++
heating / Average	Pdesignh	3.00	kW	heating / Average	SCOP/A	4.70	A++
heating / Warmer	Pdesignh	3.70	kW	heating / Warmer	SCOP/W	6.00	A+++
heating / Colder	Pdesignh	-	kW	heating / Colder	SCOP/C	-	-
							unit
Declared capacity at outdoor terr	perature Tdesignh		_	Back up heating capacity at outdo	or temperature Tdes	signh	_
heating / Average (-10°C)	Pdh	3.00	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
Declared capacity for cooling, at	indoor temperature 27(19)°C and		Declared energy efficiency ratio, a	at indoor temperature	27(19)°C	and
outdoor temperature Tj			7	outdoor temperature Tj			¬
Tj=35°C	Pdc	3.50	kW	Tj=35°C	EERd	3.82	
Tj=30°C	Pdc	2.58	kW	Tj=30°C	EERd	5.82	վ-
Tj=25°C	Pdc	1.60	kW	Tj=25°C	EERd	11.20	- 1
Tj=20°C	Pdc	1.07	kW	Tj=20°C	EERd	18.50	
Declared onth -f- 1 11 11				Declaredff-1 (at !!	
Declared capacity for heating / A temperature 20°C and outdoor te		Dľ.		Declared coefficient of performant		, at indoor	
Tj=-7°C	emperature 1j Pdh	2.65	kW	temperature 20°C and outdoor ter	mperature Ij COPd	2.50	٦.
Tj=2°C	Pdh	1.62	kW	Tj=2°C	COPd	4.92	- 1
Tj=7°C	Pdh	1.04	kW		COPd	6.10	1_
Tj=12°C	Pdh	1.16	kW	Tj=12°C	COPd	7.86	-[
Tj=bivalent temperature	Pdh	3.00	kW	Tj=bivalent temperature	COPd	2.40	┪.
Tj=operating limit	Pdh	3.00	kW	Tj=operating limit	COPd	2.40	-[
11-operating limit	ı un	3.00	IVAA	[1]=operating limit	COI u	2.40	_1=
Declared capacity for heating / W	Varmer season, at indoc	or		Declared coefficient of performance	ce / Warmer season.	at indoor	
temperature 20°C and outdoor te				temperature 20°C and outdoor ter			
Tj=2°C	Pdh	3.70	kW	Tj=2°C	COPd	2.80	7-
Tj=7°C	Pdh	2.38	kW	Tj=7°C	COPd	5.20	7-
Tj=12°C	Pdh	1.16	kW	Tj=12°C	COPd	7.86	7-
Tj=bivalent temperature	Pdh	3.70	kW	Tj=bivalent temperature	COPd	2.80	7.
Tj=operating limit	Pdh	3.70	kW	Tj=operating limit	COPd	2.80	7-
Declared capacity for heating / C	older season, at indoor			Declared coefficient of performan	ce / Colder season, a	at indoor	
temperature 20°C and outdoor te	mperature Tj		_	temperature 20°C and outdoor ter	nperature 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		վ-
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			٦٥-	Operating limit temperature			٦
heating / Average	Tbiv	-10	1°C	heating / Average	Tol	-10	⊣ <u>°</u> c
heating / Warmer	Tbiv	2	°C	heating / Warmer	Tol	2	°°
heating / Colder	Tbiv	-	°C	heating / Colder	Tol	-	°C
L							
Cycling interval capacity	Davis		7	Cycling interval efficiency	EED		٦
for cooling	Pcycc	-	kW	for cooling	EERcyc	-	+
for heating	Pcych	-	kW	for heating	COPcyc		
Degradation coefficient				Degradation coefficient			
cooling	Cdc	0.25	7.	heating	Cdh	0.25	٦.
Cooming	Cuc	0.23	IF.	neating	Cuii	0.23	
Electric power input in power mo	des other than 'active m	node'		Annual electricity consumption			
off mode	Poff	4	w	cooling	Qce	146	kWh/a
standby mode	Psb	4	w	heating / Average	Qhe	895	kWh/a
thermostat-off mode	Pto(cooling)	10	w	heating / Warmer	Qhe	863	kWh/a
	Pto(heatling)	11	w	heating / colder	Qhe	-	kWh/a
crankcase heater mode	Pck	0	w			-	
		•					
Capacity control(indicate one of t	three options)			Other items			
				Sound power level(indoor)	Lwa	54	dB(A)
				Sound power level(outdoor)	Lwa	61	dB(A)
fixed	No			Global warming potential	GWP	675	kgCO₂ed
staged	No			Rated air flow(indoor)	-	678	m³/h
variable	Yes			Rated air flow(outdoor)		1890	m³/h
Contact details for obtaining			cturer or	of its authorised representative.			
more information	(EU) MHIAE SERVICE			014 American and a second and a			1-4-
					.∠3393 1100 DW Am	.sterdam, N	vetnerland
	(UK) Mitsubishi Heavy	Industries A	Air-Condi	CM Amsterdam, Netherlands. P.O.Box tioning Europe, Ltd Middlesex, UB11 1ET,United Kingdom		sterdam, N	



Model SRK50ZS-WFB

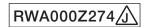
Information to identify the model(s) to	o which the informati	ion relates	to:	If function includes heating: Indicat	te the heating seaso	n the	
Indoor unit model name	SRK50ZS-V			information relates to. Indicated va			
Outdoor unit model name	SRC50ZS-V	v		heating season at a time. Include a	at least the heating s	eason 'Av	erage'.
Eupstion(indicate if present)				Average (mandatory)	Voc		
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	Datasiana	F.00	7,,,,,	Seasonal efficiency and energy eff	-	7.00	1
cooling heating / Average	Pdesignc Pdesignh	5.00 3.80	kW kW	cooling heating / Average	SEER SCOP/A	7.00 4.60	A++ A++
heating / Warmer	Pdesignh	4.60	kW	heating / Warmer	SCOP/W	5.70	A+++
heating / Colder	Pdesignh	-	kW	heating / Colder	SCOP/C	-	-
			•				unit
Declared capacity at outdoor temper			_	Back up heating capacity at outdoo		ignh	_
heating / Average (-10°C)	Pdh	3.80	kW	heating / Average (-10°C)	elbu	-	kW
heating / Warmer (2°C)	Pdh	4.60	kW	heating / Warmer (2°C)	elbu	-	kW
heating / Colder (-22°C)	Pdh	-	kW	heating / Colder (-22°C)	elbu	-	kW
Declared capacity for cooling, at indo	oor temperature 27(1	19)°C and		Declared energy efficiency ratio, at	t indoor temperature	27(19)°C	and
outdoor temperature Tj				outdoor temperature Tj			
Tj=35°C	Pdc	5.00	kW	Tj=35°C	EERd	3.70	
Tj=30°C	Pdc	3.65	kW	Tj=30°C	EERd	5.40	_ -
Tj=25°C	Pdc	2.37	kW	Tj=25°C	EERd	8.30	- -
Tj=20°C	Pdc	1.90	kW	Tj=20°C	EERd	13.00	-
Declared capacity for booting / Assess	ane season of indea	ır		Declared coefficient of porformana	e / Average coocs	at indoor	
Declared capacity for heating / Avera temperature 20°C and outdoor temperature		"1		Declared coefficient of performance temperature 20°C and outdoor tem		at illuoof	
Tj=-7°C	Pdh	3.35	kW	Tj=-7°C	COPd	2.80	7-
Tj=2°C	Pdh	2.00	kW	Tj=2°C	COPd	4.60]-
Tj=7°C	Pdh	1.30	kW	Tj=7°C	COPd	6.02	-
Tj=12°C	Pdh	1.50	kW	Tj=12℃	COPd	7.41	-
Tj=bivalent temperature	Pdh	3.80	kW	Tj=bivalent temperature	COPd	2.50	-
Tj=operating limit	Pdh	3.80	kW	Tj=operating limit	COPd	2.50	-
Declared capacity for heating / Warm	ner season, at indoo	r		Declared coefficient of performance	e / Warmer season	at indoor	
temperature 20°C and outdoor temperature				temperature 20°C and outdoor tem		at indoor	
Tj=2°C	Pdh	4.60	kW	Tj=2°C	COPd	2.80]-
Tj=7°C	Pdh	2.90	kW	Tj=7°C	COPd	5.38]-
Tj=12°C	Pdh	1.50	kW	Tj=12°C	COPd	7.00	
Tj=bivalent temperature	Pdh	4.60	kW	Tj=bivalent temperature	COPd	2.80	- -
Tj=operating limit	Pdh	4.60	kW	Tj=operating limit	COPd	2.80	-
Declared capacity for heating / Colde	ar season, at indoor			Declared coefficient of performance	e / Colder season a	at indoor	
temperature 20°C and outdoor temperature				temperature 20°C and outdoor tem		it iridddi	
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]=-13 0	i dii	-	IVAA	1]10 0	COLU		ļ-
Bivalent temperature				Operating limit temperature			
heating / Average	Tbiv	-10	°C	heating / Average	Tol	-10	℃
heating / Warmer	Tbiv	2	_°C	heating / Warmer	Tol	2	°C
heating / Colder	Tbiv	-	℃	heating / Colder	Tol	-	°C
Cycling interval consoits				Cycling interval efficiency			
Cycling interval capacity for cooling	Pcycc		kW	for cooling	EERcyc		٦.
for heating	Pcych		kW	for heating	COPcyc		-[
To Housing	i oyon		JACO .	is. Hodding	30. 0,0		
Degradation coefficient			_	Degradation coefficient			_
cooling	Cdc	0.25	-	heating	Cdh	0.25	-
Electric power input in power modes			٦	Annual electricity consumption			7
off mode standby mode	Poff Psb	4	w	cooling heating / Average	Qce Qhe	250 1158	kWh/a kWh/a
thermostat-off mode	Pto(cooling)	14	w w	heating / Warmer	Qhe	1131	kWh/a
anomicotat on mode	Pto(heatling)	15	w	heating / colder	Qhe	-	kWh/a
crankcase heater mode	Pck	0	w				
Capacity control(indicate one of three	e options)			Other items			¬
				Sound power level(indoor)	Lwa	59	dB(A)
E 4	N-			Sound power level(outdoor)	Lwa	61	dB(A)
fixed staged	No No			Global warming potential Rated air flow(indoor)	GWP -	726	kgCO₂eq. m³/h
variable	Yes			Rated air flow(indoor)		1968	m³/h
_			cturer or	of its authorised representative.			
	J) MHIAE SERVICE						
	Herikerbergweg 238, ⟨) Mitsubishi Heavy			CM Amsterdam, Netherlands. P.O.Box 2 tioning Europe. Ltd	23393 1100 DW Am	.sterdam, N	vetnerlands
				Middlesex, UB11 1ET, United Kingdom			

Model SRK20ZS-WFT

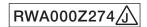
Information to identify the model(s) to	o which the informati	on relates	to:	If function includes heating: Indicate	the heating seaso	n the	
Indoor unit model name	SRK20ZS-W		10.	information relates to. Indicated value			
Outdoor unit model name	SRC20ZS-W			heating season at a time. Include at			erage'
Oddoor driit model name	3KC2023-W			Iteating season at a time. Include at	lieast the neating s	easun Ave	stage.
Franking (Indiantal Managara)				7			
Function(indicate if present)				Average(mandatory)	Yes		
cooling	Yes			Warmer(if designated) Colder(if designated)	Yes		
heating	Yes			[Colder(ii designated)	No		
Itama	symbol	valva	m it	lto m	as made at	value	alaaa
Item Design load	Symbol	value	unit	Seasonal efficiency and energy efficiency	symbol	value	class
_	Deleviere	0.00	7	11	-	0.50	T
cooling	Pdesigno	2.00	kW	cooling	SEER	8.50	A+++
heating / Average	Pdesignh	2.60	kW	heating / Average	SCOP/A	4.60	A++
heating / Warmer	Pdesignh	3.30	kW	heating / Warmer	SCOP/W	5.80	A+++
heating / Colder	Pdesignh	-	kW	heating / Colder	SCOP/C	-	
Designed and office of a state of the state	ation Talestone			Deel on heading and the standard	. t	l accede	unit
Declared capacity at outdoor temper	•	2.60	kW	Back up heating capacity at outdoor		ignn	kW
heating / Average (-10°C)	Pdh	2.60	-	heating / Average (-10°C)	elbu 		-
heating / Warmer (2°C)	Pdh	3.30	kW	heating / Warmer (2°C)	elbu	-	kW
heating / Colder (-22°C)	Pdh	-	kW	heating / Colder (-22°C)	elbu	-	kW
Dealared canacity for easing at inde	20 to manage trae 27/1	0\°0 and		Declared anarry officiency ratio at	indoor town oreture	27/10\%0	
Declared capacity for cooling, at indo	oor temperature 27(1	9) C and		Declared energy efficiency ratio, at	indoor temperature	27(19)*C 8	and
outdoor temperature Tj			٦	outdoor temperature Tj			٦
Tj=35°C	Pdc	2.00	kW	Tj=35°C	EERd	4.55	
Tj=30°C	Pdc	1.40	kW	Tj=30°C	EERd	6.80	
Tj=25°C	Pdc	1.00	kW	Tj=25°C	EERd	11.80	վ-
Tj=20°C	Pdc	1.00	kW	Tj=20°C	EERd	18.20	-
Declared capacity for heating / Avera		r		Declared coefficient of performance		at indoor	
temperature 20°C and outdoor temperature 20°C and outdoor temperature	-		7	temperature 20°C and outdoor temp			٦
Tj=-7°C	Pdh	2.40	kW	Tj=-7°C	COPd	2.50	
Tj=2°C	Pdh	1.40	kW	Tj=2°C	COPd	4.70	
Tj=7°C	Pdh	0.95	kW	Tj=7°C	COPd	6.24	_ -
Tj=12°C	Pdh	1.10	kW	Tj=12°C	COPd	7.80	
Tj=bivalent temperature	Pdh	2.60	kW	Tj=bivalent temperature	COPd	2.20	
Tj=operating limit	Pdh	2.60	kW	Tj=operating limit	COPd	2.20	-
				7			
Declared capacity for heating / Warn		r		Declared coefficient of performance		at indoor	
temperature 20°C and outdoor temperature	erature Tj		_	temperature 20°C and outdoor temp	erature Tj		_
Tj=2°C	Pdh	3.30	kW	Tj=2°C	COPd	2.57	
Tj=7°C	Pdh	2.10	kW	Tj=7°C	COPd	5.12	
Tj=12°C	Pdh	1.10	kW	Tj=12°C	COPd	7.80	
Tj=bivalent temperature	Pdh	3.30	kW	Tj=bivalent temperature	COPd	2.57	
Tj=operating limit	Pdh	3.30	kW	Tj=operating limit	COPd	2.57	-
				_			
Declared capacity for heating / Colde	er season, at indoor			Declared coefficient of performance	/ Colder season, a	t indoor	
temperature 20°C and outdoor temperature	erature Tj		_	temperature 20°C and outdoor temp	erature 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	-	7-
Tj=12°C	Pdh	-	kW	Tj=12°C	COPd	-]-
Tj=bivalent temperature	Pdh	-	kW	Tj=bivalent temperature	COPd	-	7.
Tj=operating limit	Pdh	-	kW	Tj=operating limit	COPd	-	1.
Tj=-15°C	Pdh	-	kW	Tj=-15°C	COPd	-	1-
			•				
Bivalent temperature				Operating limit temperature			
heating / Average	Tbiv	-10	ିଂ⊂	heating / Average	Tol	-10	ି୯
heating / Warmer	Tbiv	2	°c	heating / Warmer	Tol	2	T _℃
heating / Colder	Tbiv	-	°c	heating / Colder	Tol	-	T₀c
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	other than 'active me		7	Annual electricity consumption			7
off mode	Poff	4	w	cooling	Qce	83	kWh/a
standby mode	Psb	4	W	heating / Average	Qhe	793	kWh/a
thermostat-off mode	Pto(cooling)	10	w	heating / Warmer	Qhe	797	kWh/a
	Pto(heatling)	11	w	heating / colder	Qhe	-	kWh/a
crankcase heater mode	Pck	0	w				
Capacity control(indicate one of thre	e options)			Other items			_
				Sound power level(indoor)	Lwa	48	dB(A)
				Sound power level(outdoor)	Lwa	56	dB(A)
fixed	No			Global warming potential	GWP	675	kgCO₂eq
staged	No			Rated air flow(indoor)	-	558	m³/h
variable	Yes			Rated air flow(outdoor)		1644	m³/h
Contact details for obtaining Na	me and address of th	ne manufac	turer or o	f its authorised representative.			
- 1	J) MHIAE SERVICES						
				CM Amsterdam, Netherlands. P.O.Box 2	3393 1100 DW Am	sterdam, N	letherlands
	() Mitsubishi Heavy I						
5	rne Square, Stockl	ey Park, U	xoriage, N	Middlesex, UB11 1ET, United Kingdom			

Model SRK25ZS-WFT

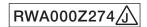
Information to identify the model(s) to	n which the informati	ion relates t	0.	If function includes heating: Indicate	the heating seaso	n the	
Indoor unit model name	SRK25ZS-W		0.	information relates to. Indicated value			
Outdoor unit model name	SRC25ZS-W			heating season at a time. Include at I			erage'
outdoor and moder harne	0.102020 11				odot alo llodalig o	0000117110	ago.
Function(indicate if present)				Average(mandatory)	Yes		
cooling	Yes			Warmer(if designated)	Yes		
heating	Yes			Colder(if designated)	No		
nodding	1 .00			Coldor (II decignated)	1.10		
Item	symbol	value	unit	Item	symbol	value	class
Design load	- OjiiiDoi	raido	Grine	Seasonal efficiency and energy effici		Value	0.000
cooling	Pdesignc	2.50	kW	cooling	SEER	8.50	A+++
heating / Average	Pdesignh	2.70	kW	heating / Average	SCOP/A	4.70	A++
heating / Warmer	Pdesignh	3.30	kW	heating / Warmer	SCOP/W	5.90	A+++
heating / Colder	-	-	kW	heating / Colder	SCOP/C		
rieating / Colder	Pdesignh		IKVV	Ineating / Colder	SCOPIC	-	
De desert de servicion de servi	ation Talestone			Deal of beating and the standard		Laurelle	unit
Declared capacity at outdoor temper		2.70	1,,,,,	Back up heating capacity at outdoor		ignn	الممر
heating / Average (-10°C)	Pdh	2.70	kW	heating / Average (-10°C)	elbu 		kW
heating / Warmer (2°C)	Pdh	3.30	kW	heating / Warmer (2°C)	elbu	-	kW
heating / Colder (-22°C)	Pdh	-	kW	heating / Colder (-22°C)	elbu	-	kW
				76		07/40/0-	
Declared capacity for cooling, at indo	oor temperature 27(1	(9)℃ and		Declared energy efficiency ratio, at in	idoor temperature	27(19)℃ a	and
outdoor temperature Tj			1	outdoor temperature Tj			7
Tj=35°C	Pdc	2.50	kW	Tj=35°C	EERd	4.03	-
Tj=30°C	Pdc	1.80	kW	Tj=30°C	EERd	6.45	-
Tj=25°C	Pdc	1.11	kW	Tj=25°C	EERd	11.80	<u> </u> -
Tj=20°C	Pdc	1.10	kW	Tj=20°C	EERd	18.20	-
Declared capacity for heating / Avera	age season, at indoo	r		Declared coefficient of performance /	Average season,	at indoor	
temperature 20°C and outdoor temperature			_	temperature 20°C and outdoor temperature			_
Tj=-7°C	Pdh	2.40	kW	Tj=-7°C	COPd	2.50]-
Tj=2°C	Pdh	1.40	kW	Tj=2°C	COPd	4.92	1-
Tj=7°C	Pdh	0.95	kW	Tj=7°C	COPd	6.15	1-
Tj=12°C	Pdh	1.10	kW	Tj=12°C	COPd	7.86	1_
Tj=bivalent temperature	Pdh	2.70	kW	Tj=bivalent temperature	COPd	2.40	1.
			kW	111.	COPd		-
Tj=operating limit	Pdh	2.70	IKVV	Tj=operating limit	COPa	2.40	1-
				75			
Declared capacity for heating / Warm		r		Declared coefficient of performance		at indoor	
temperature 20°C and outdoor temperature			1	temperature 20°C and outdoor tempe			7
Tj=2°C	Pdh	3.30	kW	Tj=2°C	COPd	2.70	
Tj=7°C	Pdh	2.10	kW	Tj=7°C	COPd	5.23	-
Tj=12°C	Pdh	1.10	kW	Tj=12°C	COPd	7.86	<u> </u> -
Tj=bivalent temperature	Pdh	3.30	kW	Tj=bivalent temperature	COPd	2.70	
Tj=operating limit	Pdh	3.30	kW	Tj=operating limit	COPd	2.70	-
Declared capacity for heating / Colde temperature 20°C and outdoor 20°C and o				Declared coefficient of performance / temperature 20°C and outdoor 20°C and o		it indoor	
Tj=-7°C	Pdh		kw	Tj=-7°C	COPd	-	1.
Tj=2°C	Pdh	-	kW	Tj=2°C	COPd		-
-			kW	11.			-
Tj=7°C	Pdh	-	1	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	-	<u>-</u>
Tj=-15°C	Pdh	-	kW	Tj=-15°C	COPd	-	-
				7			
Bivalent temperature			,	Operating limit temperature			7
heating / Average	Tbiv	-10	l°C	heating / Average	Tol	-10	℃
heating / Warmer	Tbiv	2	°C	heating / Warmer	Tol	2	℃
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	-
Electric power input in power modes	other than 'active m	ode'		Annual electricity consumption			
off mode	Poff	4	lw	cooling	Qce	103	kWh/a
standby mode	Psb	4	w	heating / Average	Qhe	804	kWh/a
thermostat-off mode	Pto(cooling)	10	w	heating / Warmer	Qhe	784	kWh/a
The state of the s	Pto(heatling)	11	w	heating / valine	Qhe		kWh/a
crankcase heater mode	Pto(neating) Pck	0	w	produing / colder	QIIC .		1
S. G. MOUGO FICURE HIDUC	1 0/1		1	_			
Capacity control(indicate one of three	e ontions)			Other items			
Capacity control(indicate one of three	e options)				Luca] _{4D(A)}
				Sound power level(indoor)	Lwa	50	dB(A)
firm d				Sound power level(outdoor)	Lwa	56	dB(A)
fixed	No			Global warming potential	GWP	675	kgCO₂eq.
staged	No			Rated air flow(indoor)	-	594	m³/h
variable	Yes			Rated air flow(outdoor)	-	1644	m³/h
1 - 1			turer or of	its authorised representative.			
	J) MHIAE SERVICES			M A	000 4400 5::::	-4	
				M Amsterdam, Netherlands. P.O.Box 23	১৬১ 1100 DW Am	sterdam, N	etherlands
	() Mitsubishi Heavy I			liddlesex, UB11 1ET,United Kingdom			
	, THE Oquale, StOCKI	cy i air, U)	wilde, M	naarcock, OD 11 1E1,OHREA KINGAOHI			



			П			
Information to identify the model(s) to			If function includes heating: Indicate			
Indoor unit model name	SRK25ZS-V	VFT	information relates to. Indicated val	ues should relate to	one	
Outdoor unit model name	SRC25ZS-V	V1	heating season at a time. Include a	t least the heating s	eason 'Av	erage'.
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	Зуппоот	value utilit	Seasonal efficiency and energy effi		value	Class
	Deleviere	0.50	11	-	0.50	
cooling	Pdesignc	2.50 kW	cooling	SEER	8.50	A+++
heating / Average	Pdesignh	2.70 kW	heating / Average	SCOP/A	4.70	A++
heating / Warmer	Pdesignh	3.30 kW	heating / Warmer	SCOP/W	5.90	A+++
heating / Colder	Pdesignh	- kW	heating / Colder	SCOP/C	-	-
						unit
Declared capacity at outdoor tempera	ture Tdesignh		Back up heating capacity at outdoo	r temperature Tdesi	ignh	_
heating / Average (-10°C)	Pdh	2.70 kW	heating / Average (-10°C)	elbu	-	kW
heating / Warmer (2°C)	Pdh	3.30 kW	heating / Warmer (2°C)	elbu	-	kW
heating / Colder (-22°C)	Pdh	- kW	heating / Colder (-22°C)	elbu	-	kW
,		-				
Declared capacity for cooling, at indoo	r temperature 270	19)°C and	Declared energy efficiency ratio, at	indoor temperature	27(19)°C	and
	i temperature 27 (10) 0 4114		indoor temperature	27(10)0	unu
outdoor temperature Tj			outdoor temperature Tj			7
Tj=35°C	Pdc	2.50 kW	Tj=35°C	EERd	4.03	
Tj=30°C	Pdc	1.80 kW	Tj=30°C	EERd	6.45	
Tj=25°C	Pdc	1.11 kW	Tj=25°C	EERd	11.80	
Tj=20°C	Pdc	1.10 kW	Tj=20°C	EERd	18.20	-
Declared capacity for heating / Average	e season, at indoo	or	Declared coefficient of performance	/ Average season	at indoor	
temperature 20°C and outdoor temper			temperature 20°C and outdoor temp			
Ti=-7°C	Pdh	2.40 kW	Tj=-7°C	COPd	2.50	٦_
,			11.			-
Tj=2°C	Pdh	1.40 kW	Tj=2°C	COPd	4.92	-
Tj=7°C	Pdh	0.95 kW	Tj=7°C	COPd	6.15	
Tj=12°C	Pdh	1.10 kW	Tj=12°C	COPd	7.86	
Tj=bivalent temperature	Pdh	2.70 kW	Tj=bivalent temperature	COPd	2.40	-
Tj=operating limit	Pdh	2.70 kW	Tj=operating limit	COPd	2.40	7_
Ty operating inne			in operating in the	00.0		
Declared capacity for heating / Warme	er season at indoo	r	Declared coefficient of performance	/ Warmer season	at indoor	
temperature 20°C and outdoor temper		•	temperature 20°C and outdoor temp		at maoor	
		2.20			2.70	٦
Tj=2°C	Pdh	3.30 kW	Tj=2°C	COPd	2.70	-l⁻
Tj=7°C	Pdh	2.10 kW	Tj=7°C	COPd	5.23	<u> </u> -
Tj=12°C	Pdh	1.10 kW	Tj=12°C	COPd	7.86	
Tj=bivalent temperature	Pdh	3.30 kW	Tj=bivalent temperature	COPd	2.70	-
Tj=operating limit	Pdh	3.30 kW	Tj=operating limit	COPd	2.70	7.
Declared capacity for heating / Colder	season at indoor		Declared coefficient of performance	/ Colder season at	t indoor	
temperature 20°C and outdoor temper			temperature 20°C and outdoor temp		t ilidooi	
Tj=-7°C		- kW	Tj=-7°C			٦
	Pdh		111.5	COPd		- 1
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		7_
Tj=-15°C	Pdh	- kW	Ti=-15°C	COPd	-	7_
,						_
Bivalent temperature			Operating limit temperature			
heating / Average	Tbiv	-10 °C	heating / Average	Tol	-10	ି℃
			11 -			-
heating / Warmer	Tbiv	2 °C	heating / Warmer	Tol	2	°C
heating / Colder	Tbiv	- ℃	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	-
Electric power input in power modes of	ther than 'active m	ode'	Annual electricity consumption			
off mode	Poff	4 W	cooling	Qce	103	kWh/a
			-			_
standby mode	Psb		heating / Average	Qhe	804	kWh/a
thermostat-off mode	Pto(cooling)	10 W	heating / Warmer	Qhe	784	kWh/a
	Pto(heatling)	11 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	50	dB(A)
			Sound power level(outdoor)	Lwa	56	dB(A)
fixed	No		Global warming potential	GWP	675	kgCO₂eq.
				GWF		
staged	No		Rated air flow(indoor)	-	594	m³/h
variable	Yes		Rated air flow(outdoor)	-	1644	m³/h
-			of its authorised representative.			
	MHIAE SERVICE					
	erikerbergweg 238		CM Amsterdam, Netherlands. P.O.Box 2	3393 1100 DW Am	sterdam, I	Netherlands
	Mitsubishi Heavy		Middlesex, UB11 1ET,United Kingdom			



			П			
Information to identify the model(s) t			If function includes heating: Indicat			
Indoor unit model name	SRK25ZS-V		information relates to. Indicated va			
Outdoor unit model name	SRC25ZS-V	N2	heating season at a time. Include a	at least the heating s	eason 'Ave	erage'.
			¬			
Function(indicate if present)	-		Average(mandatory)	Yes		
cooling	Yes		Warmer(if designated)	Yes		
heating	Yes		Colder(if designated)	No		
No. or	accorde al		Maria.	accords at	ti	-1
Item Design lead	symbol	value unit	Item	symbol	value	class
Design load	Delegiene	2.50 kW	Seasonal efficiency and energy eff		8.50	A+++
cooling	Pdesignc Pdesignh	2.70 kW	cooling heating / Average	SEER SCOP/A	4.70	A++
heating / Average heating / Warmer	Pdesignh	3.30 kW	heating / Warmer	SCOP/W	5.90	A+++
heating / Colder	Pdesignh	- kW	heating / Colder	SCOP/C	-	
ricating / Colder	i designin	- KVV	Heating / Colder	300170	_	unit
Declared capacity at outdoor temper	rature Tdesignh		Back up heating capacity at outdoor	or temperature Tdee	ianh	unit
heating / Average (-10°C)	Pdh	2.70 kW	heating / Average (-10°C)	elbu	-	kW
heating / Warmer (2°C)	Pdh	3.30 kW	heating / Warmer (2°C)	elbu		kW
heating / Colder (-22°C)	Pdh	- kW	heating / Colder (-22°C)	elbu	-	kW
ricating / Golder (22 G)	- T GIT	- 100	ricating / Golder (22 G)	Cibu		IKVV
Declared capacity for cooling, at ind	oor temperature 27(19)°C and	Declared energy efficiency ratio, at	t indoor temperature	27(19)°C á	and
outdoor temperature Tj		,	outdoor temperature Tj		(,	
Tj=35°C	Pdc	2.50 kW	Tj=35°C	EERd	4.03	7_
Tj=30°C	Pdc	1.80 kW	Tj=30°C	EERd	6.45	1_
Tj=25°C	Pdc	1.11 kW	Tj=25°C	EERd	11.80	1_
Tj=20°C	Pdc	1.10 kW	Tj=20°C	EERd	18.20	1_
., 200	1 40			LLING	.0.20	
Declared capacity for bacting / *	and coopen of ind-	or.	Declared coefficient of norfers	e / Average seess	at index	
Declared capacity for heating / Aver- temperature 20°C and outdoor temp		JI .	Declared coefficient of performanc temperature 20°C and outdoor tem		at iiidoof	
Tj=-7°C	Pdh	2.40 kW	Tj=-7°C	COPd	2.50	7.
Tj=2°C	Pdh	1.40 kW	Tj=2°C	COPd	4.92	-
Ti=7°C	Pdh	0.95 kW	Ti=7°C	COPd	6.15	1
,			11 '			- 1
Tj=12°C	Pdh	1.10 kW	Tj=12°C	COPd	7.86	-
Tj=bivalent temperature	Pdh	2.70 kW	Tj=bivalent temperature	COPd	2.40	-
Tj=operating limit	Pdh	2.70 kW	Tj=operating limit	COPd	2.40	-
Declared capacity for heating / Warr		or	Declared coefficient of performanc		at indoor	
temperature 20°C and outdoor temp			temperature 20°C and outdoor tem			7
Tj=2°C	Pdh	3.30 kW	Tj=2°C	COPd	2.70	ļ-
Tj=7°C	Pdh	2.10 kW	Tj=7°C	COPd	5.23	-
Tj=12°C	Pdh	1.10 kW	Tj=12°C	COPd	7.86	-
Tj=bivalent temperature	Pdh	3.30 kW	Tj=bivalent temperature	COPd	2.70	<u> </u> -
Tj=operating limit	Pdh	3.30 kW	Tj=operating limit	COPd	2.70	-
Declared capacity for heating / Cold	er season, at indoor		Declared coefficient of performance	e / Colder season, a	t indoor	
temperature 20°C and outdoor temp	erature Tj		temperature 20°C and outdoor tem	perature Tj		_
Tj=-7°C	Pdh	- kW	Tj=-7°C	COPd	-	-
Tj=2°C	Pdh	- kW	Tj=2°C	COPd	-	-
Tj=7°C	Pdh	- kW	∏j=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-
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			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	other than 'active n	node'	Annual electricity consumption			
off mode	Poff	4 W	cooling	Qce	103	kWh/a
standby mode	Psb	4 W	heating / Average	Qhe	804	kWh/a
thermostat-off mode	Pto(cooling)	10 W	heating / Warmer	Qhe	784	kWh/a
	Pto(heatling)	11 W	heating / colder	Qhe	-	kWh/a
crankcase heater mode	Pck	0 W				
Capacity control(indicate one of thre	e options)		Other items			
			Sound power level(indoor)	Lwa	50	dB(A)
			Sound power level(outdoor)	Lwa	56	dB(A)
fixed	No		Global warming potential	GWP	675	kgCO₂eq
staged	No		Rated air flow(indoor)	-	594	m³/h
variable	Yes		Rated air flow(outdoor)	_	1644	m³/h
	100		_ acca aen(outdoor)			p
Contact details for obtaining Na						
	me and address of t	he manufacturer or	of its authorised representative			
			of its authorised representative.			
more information (El	J) MHIAE SERVICE	S B.V.		23393 1100 DW Am	sterdam, N	letherlands
more information (El	J) MHIAE SERVICE Herikerbergweg 238	S B.V. , Luna ArenA, 1101	of its authorised representative. CM Amsterdam, Netherlands. P.O.Box iditioning Europe, Ltd	23393 1100 DW Am	sterdam, N	letherlands



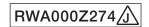
Model SRK35ZS-WFT

Information to identify the model(s) to	which the informati	ion relates	to:	If function includes heating: Indicate t	the heating seaso	n the	
Indoor unit model name	SRK35ZS-W		10.	information relates to. Indicated value			
Outdoor unit model name	SRC35ZS-W			heating season at a time. Include at le			rage'
Oddoor unit model name	OKOULU-N	•			cast the neating s	000011 7140	rage.
Eupotion/indicate if present)				Average(mandatony)	Voc		
Function(indicate if present) cooling	Yes			Average(mandatory) Warmer(if designated)	Yes		
_	Yes			T			
heating	res			Colder(if designated)	No		
Itam	a, mah al	value	mid	ltom	symbol	ualua	alaaa
Item	symbol	value	unit	Item		value	class
Design load	B		7	Seasonal efficiency and energy efficiency	-		
cooling	Pdesignc	3.50	kW	cooling	SEER	8.40	A++
heating / Average	Pdesignh	3.00	kW	heating / Average	SCOP/A	4.70	A++
heating / Warmer	Pdesignh	3.70	kW	heating / Warmer	SCOP/W	6.00	A+++
heating / Colder	Pdesignh	-	kW	heating / Colder	SCOP/C	-	-
				7			unit
Declared capacity at outdoor temper	ature Tdesignh		_	Back up heating capacity at outdoor t	temperature Tdesi	ignh	
heating / Average (-10°C)	Pdh	3.00	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
Declared capacity for cooling, at indo	oor temperature 27(1	9)°C and		Declared energy efficiency ratio, at in	door temperature	27(19)°C a	and
outdoor temperature Tj	. ,			outdoor temperature Tj			
Tj=35°C	Pdc	3.50	kW	Tj=35°C	EERd	3.82	1_
Tj=30°C	Pdc	2.58	kW	Tj=30°C	EERd	5.82	1.
			+	11 '			ľ
Tj=25°C	Pdc	1.60	kW	Tj=25°C	EERd	11.20	1
Tj=20°C	Pdc	1.07	kW	Tj=20°C	EERd	18.50	-
				1			
Declared capacity for heating / Avera		r		Declared coefficient of performance /		at indoor	
temperature 20°C and outdoor temperature	-		-	temperature 20°C and outdoor tempe	-		1
Tj=-7°C	Pdh	2.65	kW	Tj=-7°C	COPd	2.50	-
Tj=2°C	Pdh	1.62	kW	Tj=2°C	COPd	4.92	-
Tj=7°C	Pdh	1.04	kW	Tj=7°C	COPd	6.10	-
Tj=12°C	Pdh	1.16	kW	Ti=12°C	COPd	7.86	1-
Tj=bivalent temperature	Pdh	3.00	kW	Tj=bivalent temperature	COPd	2.40	1_
Tj=operating limit	Pdh	3.00	kW	Tj=operating limit	COPd	2.40	
11-operating innit	Full	3.00	IVAA		COFU	2.40	-
Declared and office to be office (194)		_		Design de	14/	-4 (1	
Declared capacity for heating / Warn		Г		Declared coefficient of performance /		at indoor	
temperature 20°C and outdoor 20°C and			٦	temperature 20°C and outdoor tempe			1
Tj=2°C	Pdh	3.70	kW	Tj=2°C	COPd	2.80	
Tj=7°C	Pdh	2.38	kW	Tj=7°C	COPd	5.20	-
Tj=12°C	Pdh	1.16	kW	Tj=12°C	COPd	7.86	-
Tj=bivalent temperature	Pdh	3.70	kW	Tj=bivalent temperature	COPd	2.80	_
Tj=operating limit	Pdh	3.70	kW	Tj=operating limit	COPd	2.80	-
Declared capacity for heating / Colde				Declared coefficient of performance /		t indoor	
temperature 20°C and outdoor temperature 20°C and outdoor temperature			7	temperature 20°C and outdoor tempe			1
Tj=-7°C	Pdh	-	kW	Tj=-7°C	COPd	-	-
Tj=2°C	Pdh	-	kW	Tj=2°C	COPd	-	-
Tj=7°C	Pdh	-	kW	Tj=7°C	COPd	-	-
Tj=12°C	Pdh	-	kW	Tj=12°C	COPd	-	-
Tj=bivalent temperature	Pdh	-	kW	Tj=bivalent temperature	COPd	-	-
Tj=operating limit	Pdh	-	kW	Tj=operating limit	COPd	-	-
Tj=-15°C	Pdh	-	kW	Tj=-15°C	COPd	-]-
Bivalent temperature				Operating limit temperature			
heating / Average	Tbiv	-10]°c	heating / Average	Tol	-10	l°c
heating / Warmer	Tbiv	2	€	heating / Warmer	Tol	2	∞
heating / Colder	Tbiv		·c	heating / Colder	Tol		°C
nodany / Golder	I DIV		10		101		
Cualing interior				Cualing inter-1-ff-1-			
Cycling interval capacity	5		7	Cycling interval efficiency			1
for cooling	Pcycc	-	kW	for cooling	EERcyc	-	+
for heating	Pcych		kW	for heating	COPcyc		-
				1			
Degradation coefficient			-	Degradation coefficient			1
cooling	Cdc	0.25	<u> -</u>	heating	Cdh	0.25	-
				1			
Electric power input in power modes	other than 'active m	ode'	_	Annual electricity consumption			
off mode	Poff	4	w	cooling	Qce	146	kWh/a
standby mode	Psb	4	l _w	heating / Average	Qhe	895	kWh/a
thermostat-off mode	Pto(cooling)	10	w	heating / Warmer	Qhe	863	kWh/a
and the same of th	Pto(heatling)	11	w	heating / colder	Qhe	-	kWh/a
crankcase heater mode	Pto(heatling) Pck	0	W	induity / dolder	QIIC		IVALING
Grannoase neater mode	FUN		IAA	_			
Conneity control(i-di-t-t ::	- antional			Other items			
Capacity control(indicate one of thre	s options)			Other items			1
				Sound power level(indoor)	Lwa	54	dB(A)
				Sound power level(outdoor)	Lwa	61	dB(A)
fixed	No			Global warming potential	GWP	675	kgCO₂eq.
staged				Rated air flow(indoor)	-	678	m³/h
variable	No						
	No Yes			Rated air flow(outdoor)		1890	m³/h
				-1 1	-	1890	m³/h
Contact details for obtaining Na	Yes	ne manufac	cturer or of	-1 1	-	1890	m³/h
	Yes		cturer or of	Rated air flow(outdoor)	-	1890	m³/h
more information (EU	me and address of the MINISTER	S B.V.		Rated air flow(outdoor)	- 393 1100 DW Am		
more information (EU	Yes me and address of the state	S B.V. Luna Aren Industries A	ıA, 1101 Cl Air-Conditio	Rated air flow(outdoor) its authorised representative. M Amsterdam, Netherlands. P.O.Box 233	- 393 1100 DW Am		

			There			
Information to identify the model(s) to w			If function includes heating: Indicate the he			
Indoor unit model name	SRK35ZS-V		information relates to. Indicated values sho			
Outdoor unit model name	SRC35ZS-V	V1	heating season at a time. Include at least the	ne neating :	season Ave	erage.
Function/indicate if present)			Avarage (mandatan)	Vee		
Function(indicate if present) cooling	Yes		Average(mandatory) Warmer(if designated)	Yes		
heating	Yes		Colder(if designated)	No		
modeling	,		Colder(II deolgriated)			
Item	symbol	value unit	Item	symbol	value	class
Design load			Seasonal efficiency and energy efficiency of	class		
cooling	Pdesignc	3.50 kW	cooling	SEER	8.40	A++
heating / Average	Pdesignh	3.00 kW	heating / Average	SCOP/A	4.70	A++
heating / Warmer	Pdesignh	3.70 kW	heating / Warmer	SCOP/W	6.00	A+++
heating / Colder	Pdesignh	- kW	heating / Colder	SCOP/C	-	-
			16			unit
Declared capacity at outdoor temperatu	ire Tdesignh Pdh	3.00 kW	Back up heating capacity at outdoor tempe heating / Average (-10°C)	rature Tdes elbu	signh -	kW
heating / Average (-10°C) heating / Warmer (2°C)	Pdh	3.70 kW	heating / Average (-10 C)	elbu		kW
heating / Colder (-22°C)	Pdh	- kW	heating / Colder (-22°C)	elbu		kW
Ficaling / Scient (22 s)		1 100	industry colder (22 e)	Oibu	-	1
Declared capacity for cooling, at indoor	temperature 27(19)°C and	Declared energy efficiency ratio, at indoor	temperature	27(19)°C a	and
outdoor temperature Tj			outdoor temperature Tj			
Tj=35°C	Pdc	3.50 kW	Tj=35°C	EERd	3.82]-
Tj=30°C	Pdc	2.58 kW	Tj=30°C	EERd	5.82]-
Tj=25°C	Pdc	1.60 kW	Tj=25°C	EERd	11.20]-
Tj=20°C	Pdc	1.07 kW	Tj=20°C	EERd	18.50	-
Declared capacity for heating / Average		or	Declared coefficient of performance / Avera		, at indoor	
temperature 20°C and outdoor tempera	-	0.05	temperature 20°C and outdoor temperature		0.70	٦
Tj=-7°C	Pdh	2.65 kW	Tj=-7°C	COPd	2.50	+
Tj=2°C Tj=7°C	Pdh Pdh	1.62 kW 1.04 kW	Tj=2°C Tj=7°C	COPd COPd	4.92 6.10	+[
· ·	Pan Pdh	1.04 KW	11.1	COPa	7.86	+
Tj=12°C			Tj=12°C			+
Tj=bivalent temperature	Pdh	3.00 kW	Tj=bivalent temperature	COPd	2.40	+-
Tj=operating limit	Pdh	3.00 kW	Tj=operating limit	COPd	2.40	1-
Declared capacity for heating / Warmer	season, at indoo	r	Declared coefficient of performance / Warn	ner season.	at indoor	
temperature 20°C and outdoor tempera			temperature 20°C and outdoor temperature		at maoor	
Tj=2°C	Pdh	3.70 kW	Ti=2°C	COPd	2.80]_
Tj=7°C	Pdh	2.38 kW	Tj=7°C	COPd	5.20	1-
Tj=12°C	Pdh	1.16 kW	Tj=12℃	COPd	7.86	1-
Tj=bivalent temperature	Pdh	3.70 kW	Tj=bivalent temperature	COPd	2.80	1_
Tj=operating limit	Pdh	3.70 kW	Tj=operating limit	COPd	2.80	1-
Declared capacity for heating / Colder s	eason, at indoor		Declared coefficient of performance / Colde	er season, a	at indoor	
temperature 20°C and outdoor tempera	ture Tj		temperature 20°C and outdoor temperature	e Tj		_
Tj=-7°C	Pdh	- kW	Tj=-7°C	COPd	-	-
Tj=2°C	Pdh	- kW	Tj=2°C	COPd	-	
Tj=7°C	Pdh	- kW	∏j=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	-	-
Disclared to account on			0			
Bivalent temperature heating / Average	Tbiv	-10 °C	Operating limit temperature	Tol	-10]°c
heating / Warmer	Tbiv	2 ℃	heating / Average heating / Warmer	Tol	2	€
heating / Colder	Tbiv	- °C	heating / Colder	Tol	-	~c
nodang, serder		1 1 1	induing? doido.	101		10
Cycling interval capacity			Cycling interval efficiency			-
for cooling	Pcycc	- kW	for cooling	EERcyc	-]-
for heating	Pcych	- kW	for heating	COPcyc	-]
Degradation coefficient			Degradation coefficient			٦
cooling	Cdc	0.25 -	heating	Cdh	0.25	-
			7			
Electric power input in power modes oth off mode			Annual electricity consumption	000	446	kWh/a
	Poff		cooling	Qce	146	kWh/a
standby mode thermostat-off mode	Psb		heating / Warmer	Qhe	895	kWh/a
urennostat-on Mode	Pto(cooling) Pto(heatling)	10 W	heating / Warmer heating / colder	Qhe Qhe	863	kWh/a
crankcase heater mode	Pto(heating) Pck	0 W	produing / colder	QUIC.	· -	TIVALING
Capacity control(indicate one of three o	ptions)		Other items			
			Sound power level(indoor)	Lwa	54	dB(A)
			Sound power level(outdoor)	Lwa	61	dB(A)
fixed	No		Global warming potential	GWP	675	kgCO₂ed
staged	No		Rated air flow(indoor)	-	678	m³/h
variable	Yes		Rated air flow(outdoor)	=	1890	m³/h
1						
-			f its authorised representative.			
	MHIAE SERVICE		NA American Nothern Co. Co.	400 D:** *		1.46
		, Luna ArenA, 1101 C Industries Air-Conditi	CM Amsterdam, Netherlands. P.O.Box 23393 1	IUU DW An	isterdam, N	etnerland
			loning Europe, Lta Aiddlesex, UB11 1ET,United Kingdom			

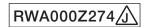


				l			
Information to identify the model(s) to				If function includes heating: Indicate the			
Indoor unit model name	SRK25ZS-V	VFT		information relates to. Indicated values s	should relate to	one one	
Outdoor unit model name	SRC25ZS-V	V2		heating season at a time. Include at leas	st the heating s	eason 'Ave	erage'.
Function(indicate if present)				Average(mandatory)	Yes		
cooling	Yes			Warmer(if designated)	Yes		
heating	Yes			Colder(if designated)	No		
					<u> </u>		
Item	symbol	value un	it	Item	symbol	value	class
Design load		value an		Seasonal efficiency and energy efficience		Tuiuo	0.000
_	Ddosigno	2.50 kV	,		SEER	8.50	A+++
cooling	Pdesigno		- 1	cooling			
heating / Average	Pdesignh	2.70 kV	- 1	heating / Average	SCOP/A	4.70	A++
heating / Warmer	Pdesignh	3.30 kV	- 1	heating / Warmer	SCOP/W	5.90	A+++
heating / Colder	Pdesignh	- kV	/	heating / Colder	SCOP/C	-	
							unit
Declared capacity at outdoor temperat	-			Back up heating capacity at outdoor tem	•	ignh	7
heating / Average (-10°C)	Pdh	2.70 kV	/	heating / Average (-10°C)	elbu	-	kW
heating / Warmer (2°C)	Pdh	3.30 kV	/	heating / Warmer (2°C)	elbu	-	kW
heating / Colder (-22°C)	Pdh	- kV	/	heating / Colder (-22°C)	elbu	-	kW
				•			
Declared capacity for cooling, at indoo	r 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	2.50 kV	,	Tj=35°C	EERd	4.03	7_
Tj=30°C	Pdc	1.80 kV		Tj=30°C	EERd	6.45	+
·		$\overline{}$		-			+
Tj=25°C	Pdc	1.11 kV	- 1	Tj=25°C	EERd	11.80	
Tj=20°C	Pdc	1.10 kV		Tj=20°C	EERd	18.20	1
Declared capacity for heating / Averag		or		Declared coefficient of performance / Av		at indoor	
temperature 20°C and outdoor temperature	ature Tj			temperature 20°C and outdoor temperat	ure Tj		_
Tj=-7°C	Pdh	2.40 kV	/	Tj=-7°C	COPd	2.50]_
Tj=2°C	Pdh	1.40 kV	,	Ti=2°C	COPd	4.92	1_
Tj=7°C	Pdh	0.95 kV		Tj=7°C	COPd	6.15	-
			- 1	-			+
Tj=12°C	Pdh	1.10 kV	- 1	Tj=12°C	COPd	7.86	
Tj=bivalent temperature	Pdh	2.70 kV	/	Tj=bivalent temperature	COPd	2.40	-
Tj=operating limit	Pdh	2.70 kV	/	Tj=operating limit	COPd	2.40	-
Declared capacity for heating / Warme	r season, at indoc	r		Declared coefficient of performance / Wa	armer season.	at indoor	
temperature 20°C and outdoor temperature				temperature 20°C and outdoor temperat			
Tj=2°C	Pdh	3.30 kV	,	Ti=2°C	COPd	2.70	7
			- 1	*			+
Tj=7°C	Pdh	2.10 kV	- 1	Tj=7°C	COPd	5.23	ļ-
Tj=12°C	Pdh	1.10 kV	/	Tj=12°C	COPd	7.86	-
Tj=bivalent temperature	Pdh	3.30 kV	/	Tj=bivalent temperature	COPd	2.70	
Tj=operating limit	Pdh	3.30 kV	/	Tj=operating limit	COPd	2.70	-
Declared capacity for heating / Colder	season at indoor			Declared coefficient of performance / Co	lder season a	at indoor	
temperature 20°C and outdoor tempera				temperature 20°C and outdoor temperat			
Tj=-7°C		- kV	,	Tj=-7°C			٦
	Pdh			-	COPd		- ⁻
Tj=2°C	Pdh	- kV	- 1	Tj=2°C	COPd		ļ-
Tj=7°C	Pdh	- kV	/	Tj=7°C	COPd	-	-
Tj=12°C	Pdh	- kV	/	Tj=12°C	COPd	-	
Tj=bivalent temperature	Pdh	- kV	,	Tj=bivalent temperature	COPd	-]_
Tj=operating limit	Pdh	- kV	,	Tj=operating limit	COPd	-	1_
Tj=-15°C	Pdh	- kV		Tj=-15°C	COPd	-	1_
,		1		1, 101			
Bivalent temperature			\neg	Operating limit temperature			
	This	40 %			Tel	40	7∘∽
heating / Average	Tbiv	-10 °C		heating / Average	Tol	-10	°C
		2 ℃		heating / Warmer	Tol	2	°C
heating / Warmer	Tbiv						
heating / Warmer heating / Colder	Tbiv	- °C	\square	heating / Colder	Tol	-	°C
_				heating / Colder	Tol	-	<u></u>
_					Tol	-]°C
heating / Colder				heating / Colder	Tol	-]-
heating / Colder Cycling interval capacity	Tbiv	- °c	v	heating / Colder Cycling interval efficiency		-]-
heating / Colder Cycling interval capacity for cooling	Tbiv	- °c	v	heating / Colder Cycling interval efficiency for cooling	EERcyc	-]-
heating / Colder Cycling interval capacity for cooling for heating	Tbiv	- °c	v	heating / Colder Cycling interval efficiency for cooling for heating	EERcyc]-
heating / Colder Cycling interval capacity for cooling for heating Degradation coefficient	Tbiv Pcycc Pcych	- kv	v	heating / Colder Cycling interval efficiency for cooling for heating Degradation coefficient	EERcyc COPcyc]- - -
heating / Colder Cycling interval capacity for cooling for heating	Tbiv	- °c	v	heating / Colder Cycling interval efficiency for cooling for heating	EERcyc]-
heating / Colder Cycling interval capacity for cooling for heating Degradation coefficient cooling	Pcycc Pcych	- kv	v	Cycling interval efficiency for cooling for heating Degradation coefficient heating	EERcyc COPcyc	0.25]-
heating / Colder Cycling interval capacity for cooling for heating Degradation coefficient cooling Electric power input in power modes o	Pcycc Pcych Cdc wher than 'active m	- °C kV - kV	v v	heating / Colder Cycling interval efficiency for cooling for heating Degradation coefficient heating Annual electricity consumption	EERcyc COPcyc]-
heating / Colder Cycling interval capacity for cooling for heating Degradation coefficient cooling Electric power input in power modes o off mode	Pcycc Pcych Cdc ther than 'active m	- °C - kV - kV - 0.25 - ode'	v v	heating / Colder Cycling interval efficiency for cooling for heating Degradation coefficient heating Annual electricity consumption cooling	EERcyc COPcyc	103	- - - - kWh/a
heating / Colder Cycling interval capacity for cooling for heating Degradation coefficient cooling Electric power input in power modes o off mode standby mode	Pcycc Pcych Cdc wher than 'active m	- °C - kV - kV 0.25 - ode' 4 W W	v v	heating / Colder Cycling interval efficiency for cooling for heating Degradation coefficient heating Annual electricity consumption cooling heating / Average	EERcyc COPcyc		- - - kWh/a kWh/a
heating / Colder Cycling interval capacity for cooling for heating Degradation coefficient cooling Electric power input in power modes o off mode	Pcycc Pcych Cdc ther than 'active m	- °C - kV - kV - 0.25 - ode'	v v	heating / Colder Cycling interval efficiency for cooling for heating Degradation coefficient heating Annual electricity consumption cooling	EERcyc COPcyc	103	- - - - kWh/a
heating / Colder Cycling interval capacity for cooling for heating Degradation coefficient cooling Electric power input in power modes o off mode standby mode	Pcycc Pcych Cdc ther than 'active m Poff Psb	- °C - kV - kV - kV - 0.25 - ode' - 4 W - W	v v	heating / Colder Cycling interval efficiency for cooling for heating Degradation coefficient heating Annual electricity consumption cooling heating / Average	EERcyc COPcyc Cdh	103 804	- - - kWh/a kWh/a
heating / Colder Cycling interval capacity for cooling for heating Degradation coefficient cooling Electric power input in power modes o off mode standby mode	Pcycc Pcych Cdc ther than 'active m Poff Psb Plo(ccoling)	- kV - kV - 0.25 - ode' 4 W 10 W	v v	heating / Colder Cycling interval efficiency for cooling for heating Degradation coefficient heating Annual electricity consumption cooling heating / Average heating / Warmer	EERcyc COPcyc Cdh	103 804 784	- - - kWh/a kWh/a kWh/a
heating / Colder Cycling interval capacity for cooling for heating Degradation coefficient cooling Electric power input in power modes o off mode standby mode thermostat-off mode	Pcycc Pcych Cdc ther than 'active m Poff Psb Plo(cooling) Plo(heatling)	- kV - kV - V - O.25 - Ode' 4 W 10 W 11 W	v v	heating / Colder Cycling interval efficiency for cooling for heating Degradation coefficient heating Annual electricity consumption cooling heating / Average heating / Warmer	EERcyc COPcyc Cdh	103 804 784	- - - kWh/a kWh/a kWh/a
heating / Colder Cycling interval capacity for cooling for heating Degradation coefficient cooling Electric power input in power modes o off mode standby mode thermostat-off mode crankcase heater mode	Pcycc Pcych Cdc ther than 'active m Poff Psb Pto(cooling) Pto(heatling) Pck	- kV - kV - V - O.25 - Ode' 4 W 10 W 11 W	v v	heating / Colder Cycling interval efficiency for cooling for heating Degradation coefficient heating Annual electricity consumption cooling heating / Average heating / Warmer heating / colder	EERcyc COPcyc Cdh	103 804 784	- - - kWh/a kWh/a kWh/a
heating / Colder Cycling interval capacity for cooling for heating Degradation coefficient cooling Electric power input in power modes o off mode standby mode thermostat-off mode	Pcycc Pcych Cdc ther than 'active m Poff Psb Pto(cooling) Pto(heatling) Pck	- kV - kV - V - O.25 - Ode' 4 W 10 W 11 W	v v	heating / Colder Cycling interval efficiency for cooling for heating Degradation coefficient heating Annual electricity consumption cooling heating / Average heating / Warmer heating / colder Other items	EERcyc COPcyc Cdh	103 804 784	kWh/a kWh/a kWh/a kWh/a
heating / Colder Cycling interval capacity for cooling for heating Degradation coefficient cooling Electric power input in power modes o off mode standby mode thermostat-off mode crankcase heater mode	Pcycc Pcych Cdc ther than 'active m Poff Psb Pto(cooling) Pto(heatling) Pck	- kV - kV - V - O.25 - Ode' 4 W 10 W 11 W	v v	heating / Colder Cycling interval efficiency for cooling for heating Degradation coefficient heating Annual electricity consumption cooling heating / Average heating / Warmer heating / colder Other items Sound power level(indoor)	EERcyc COPcyc Cdh Cdh Qce Qhe Qhe Qhe	103 804 784	kWh/a kWh/a kWh/a kWh/a
heating / Colder Cycling interval capacity for cooling for heating Degradation coefficient cooling Electric power input in power modes of off mode standby mode thermostat-off mode Capacity control(indicate one of three of the control of the c	Tbiv Pcycc Pcych Cdc ther than 'active m' Poff Psb Plo(cooling) Ptc(heatling) Pck options)	- kV - kV - V - O.25 - Ode' 4 W 10 W 11 W	v v	heating / Colder Cycling interval efficiency for cooling for heating Degradation coefficient heating Annual electricity consumption cooling heating / Average heating / Warmer heating / colder Other items Sound power level(indoor) Sound power level(outdoor)	EERcyc COPcyc	103 804 784 -	kWh/a kWh/a kWh/a kWh/a dB(A)
heating / Colder Cycling interval capacity for cooling for heating Degradation coefficient cooling Electric power input in power modes o off mode standby mode thermostat-off mode crankcase heater mode Capacity control(indicate one of three of the control fixed)	Pcycc Pcych Cdc ther than 'active m Poff Psb Pto(cooling) Pcofteatling) Pck options)	- kV - kV - V - O.25 - Ode' 4 W 10 W 11 W	v v	heating / Colder Cycling interval efficiency for cooling for heating Degradation coefficient heating Annual electricity consumption cooling heating / Average heating / Warmer heating / Colder Other items Sound power level(indoor) Sound power level(outdoor) Global warming potential	EERcyc COPcyc Cdh Cdh Qce Qhe Qhe Qhe	103 804 784 - 50 56 675	kWh/a kWh/a kWh/a kWh/a kWh/a dB(A) dB(A)
heating / Colder Cycling interval capacity for cooling for heating Degradation coefficient cooling Electric power input in power modes o off mode standby mode thermostat-off mode crankcase heater mode Capacity control(indicate one of three of the staged)	Pcycc Pcych Cdc ther than 'active m Poff Psb Pto(cooling) Pto(heatling) Pck options)	- kV - kV - V - O.25 - Ode' 4 W 10 W 11 W	v v	heating / Colder Cycling interval efficiency for cooling for heating Degradation coefficient heating Annual electricity consumption cooling heating / Average heating / Warmer heating / colder Other items Sound power level(indoor) Sound power level(outdoor) Global warming potential Rated air flow(indoor)	EERcyc COPcyc	103 804 784 - - 50 56 675 594	kWh/a kWh/a kWh/a kWh/a kWh/a dB(A) dB(A) kgCO ₂ eq.
heating / Colder Cycling interval capacity for cooling for heating Degradation coefficient cooling Electric power input in power modes o off mode standby mode thermostat-off mode crankcase heater mode Capacity control(indicate one of three of the cooling)	Pcycc Pcych Cdc ther than 'active m Poff Psb Pto(cooling) Pcofteatling) Pck options)	- kV - kV - V - O.25 - Ode' 4 W 10 W 11 W	v v	heating / Colder Cycling interval efficiency for cooling for heating Degradation coefficient heating Annual electricity consumption cooling heating / Average heating / Warmer heating / Colder Other items Sound power level(indoor) Sound power level(outdoor) Global warming potential	EERcyc COPcyc	103 804 784 - 50 56 675	kWh/a kWh/a kWh/a kWh/a kWh/a kWh/a
heating / Colder Cycling interval capacity for cooling for heating Degradation coefficient cooling Electric power input in power modes o off mode standby mode thermostat-off mode crankcase heater mode Capacity control(indicate one of three of the stander)	Pcycc Pcych Cdc ther than 'active m Poff Psb Pto(cooling) Pto(heatling) Pck options)	- kV - kV - V - O.25 - Ode' 4 W 10 W 11 W	v v	heating / Colder Cycling interval efficiency for cooling for heating Degradation coefficient heating Annual electricity consumption cooling heating / Average heating / Warmer heating / colder Other items Sound power level(indoor) Sound power level(outdoor) Global warming potential Rated air flow(indoor)	EERcyc COPcyc	103 804 784 - - 50 56 675 594	kWh/a kWh/a kWh/a kWh/a kWh/a dB(A) dB(A) kgCO₂eq.
heating / Colder Cycling interval capacity for cooling for heating Degradation coefficient cooling Electric power input in power modes of off mode standby mode thermostat-off mode Capacity control(indicate one of three of the degradation	Tbiv Pcycc Pcych Cdc ther than 'active m Poff Psb Plo(cooling) Ptc(heatling) Pck options) No No Yes	- kV - kV 0.25 - ode' 4 W 10 W 11 W 0 W	V	heating / Colder Cycling interval efficiency for cooling for heating Degradation coefficient heating Annual electricity consumption cooling heating / Average heating / Warmer heating / colder Other items Sound power level(indoor) Sound power level(outdoor) Global warming potential Rated air flow(indoor)	EERcyc COPcyc	103 804 784 - - 50 56 675 594	kWh/a kWh/a kWh/a kWh/a kWh/a dB(A) dB(A) kgCO₂eq.
heating / Colder Cycling interval capacity for cooling for heating Degradation coefficient cooling Electric power input in power modes of mode standby mode thermostat-off mode Capacity control(indicate one of three fixed staged variable Contact details for obtaining Name	Tbiv Pcycc Pcych Cdc ther than 'active m Poff Psb Plo(cooling) Ptc(heatling) Pck options) No No Yes	- %C - kV - kV - kV 0.25 ode' 4 W 4 W 10 W 0 W	V	heating / Colder Cycling interval efficiency for cooling for heating Degradation coefficient heating Annual electricity consumption cooling heating / Average heating / Warmer heating / Colder Other items Sound power level(indoor) Sound power level(outdoor) Global warming potential Rated air flow(indoor) Rated air flow(outdoor)	EERcyc COPcyc	103 804 784 - - 50 56 675 594	kWh/a kWh/a kWh/a kWh/a kWh/a dB(A) dB(A) kgCO₂eq.
heating / Colder Cycling interval capacity for cooling for heating Degradation coefficient cooling Electric power input in power modes o off mode standby mode thermostat-off mode crankcase heater mode Capacity control(indicate one of three of the staged variable Contact details for obtaining more information (EU)	Pcycc Pcych Cdc ther than 'active m Poff Psb Pto(cooling) Pto(heatling) Pck Options) No No Yes e and address of t MHIAE SERVICE	- 'C - kV - kV - kV - kV - kV - kV - kV - kV - kV - kV - kV - kV - kV - kV - kV - kV - kV - kV	v v v v	heating / Colder Cycling interval efficiency for cooling for heating Degradation coefficient heating Annual electricity consumption cooling heating / Average heating / Warmer heating / Colder Other items Sound power level(indoor) Sound power level(outdoor) Global warming potential Rated air flow(indoor) Rated air flow(outdoor)	EERcyc COPcyc Cdh Qce Qhe Qhe Qhe Lwa Lwa GWP	103 804 784 - 50 56 675 594 1644	kWh/a kWh/a kWh/a kWh/a kWh/a dB(A) dB(A) kgCO ₂ eq. m³/h
heating / Colder Cycling interval capacity for cooling for heating Degradation coefficient cooling Electric power input in power modes of off mode standby mode thermostat-off mode crankcase heater mode Capacity control(indicate one of three of the staged variable Contact details for obtaining more information (EU) Height corrections of the cooling information (EU)	Pcycc Pcych Cdc ther than 'active m Poff Psb Pto(cooling) Pto(heatling) Pck Options) No No Yes e and address of t MHIAE SERVICE	- 'C - kV - kV - kV 0.25 - Ode' 4 W 10 W 11 W 0 W	v v v v	heating / Colder Cycling interval efficiency for cooling for heating Degradation coefficient heating Annual electricity consumption cooling heating / Average heating / Warmer heating / Colder Other items Sound power level(indoor) Sound power level(outdoor) Global warming potential Rated air flow(indoor) Rated air flow(outdoor) s authorised representative. Amsterdam, Netherlands. P.O.Box 23393	EERcyc COPcyc Cdh Qce Qhe Qhe Qhe Lwa Lwa GWP	103 804 784 - 50 56 675 594 1644	kWh/a kWh/a kWh/a kWh/a kWh/a dB(A) dB(A) kgCO ₂ eq. m³/h



Model SRK50ZS-WFT

•		ch the information relates to: SRK50ZS-WFT		If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one			
Indoor unit model name				¬ I			
Outdoor unit model name	SRC50ZS-W			heating season at a time. Include at least the heating season 'Average'.			
				¬l			
Function(indicate if present)				Average(mandatory)	Yes		
cooling	Yes			Warmer(if designated)	Yes		
neating	Yes			Colder(if designated)	No		
tem	ovmbol	value	unit	Itom	symbol	value	ologo
Design load	symbol	value	unit	Seasonal efficiency and energy effi		value	class
	Ddooigno	5.00	kW	11	SEER	7.00	Τ ,,
cooling	Pdesigno		kW	cooling	SCOP/A		A+
neating / Average	Pdesignh	3.80	7	heating / Average		4.60	
neating / Warmer	Pdesignh	4.60	kW	heating / Warmer	SCOP/W	5.70	A+-
neating / Colder	Pdesignh	-	kW	heating / Colder	SCOP/C	-	unit -
Declared capacity at outdoor tempera	ture Tdesignh			Back up heating capacity at outdoor	r temperature Tdes	ianh	unn
neating / Average (-10°C)	Pdh	3.80	kW	heating / Average (-10°C)	elbu	-	kW
heating / Warmer (2°C)	Pdh	4.60	kW	heating / Warmer (2°C)	elbu	_	kW
neating / Colder (-22°C)	Pdh	-	kW	heating / Colder (-22°C)	elbu		kW
iodang, ocider (22 o)		-	1	induiting / Colder (22 c)	0.00		
Declared capacity for cooling, at indoo	or temperature 27(1	9)°C and		Declared energy efficiency ratio, at	indoor temperature	27(19)°C	and
outdoor temperature Tj	, , ,	.,		outdoor temperature Tj		(- / -	
ij=35°C	Pdc	5.00	kW	Tj=35°C	EERd	3.70	٦.
Γj=30°C	Pdc	3.65	kW	Ti=30°C	EERd	5.40	
Γj=35°C	Pdc	2.37	kW	Tj=25°C	EERd	8.30	1
īj=25 ℃ Γj=20°C	Pac Pdc	1.90	kW	Tj=20°C	EERd	13.00	+[
j-20 C	ruc	1.90	IV A A		EEKO	13.00	
Declared conseils for the stirre to				Declared coefficient of morte	. / Augras	at in -t	
Declared capacity for heating / Average emperature 20°C and outdoor temper		ı		Declared coefficient of performance temperature 20°C and outdoor tem		, at indoor	
	-	2.25				2.00	٦
Γj=-7°C	Pdh	3.35	kW	Tj=-7°C	COPd	2.80	4
Tj=2°C	Pdh	2.00	kW	Tj=2°C	COPd	4.60	4-
Tj=7°C	Pdh	1.30	kW	Tj=7°C	COPd	6.02	4-
Гj=12°С	Pdh	1.50	kW	Tj=12°C	COPd	7.41	4-
Tj=bivalent temperature	Pdh	3.80	kW	Tj=bivalent temperature	COPd	2.50	
Tj=operating limit	Pdh	3.80	kW	Tj=operating limit	COPd	2.50	
Declared capacity for heating / Warme				Declared coefficient of performance		at indoor	
emperature 20°C and outdoor temper	ature Tj		_	temperature 20°C and outdoor tem	perature Tj		_
Tj=2°C	Pdh	4.60	kW	Tj=2°C	COPd	2.80	
Гj=7°С	Pdh	2.90	kW	Tj=7°C	COPd	5.38	_ -
Tj=12°C	Pdh	1.50	kW	Tj=12°C	COPd	7.00	
Tj=bivalent temperature	Pdh	4.60	kW	Tj=bivalent temperature	COPd	2.80	-
Tj=operating limit	Pdh	4.60	kW	Tj=operating limit	COPd	2.80	7-
emperature 20°C and outdoor temper Ij=-7°C Ij=2°C Ij=7°C Ij=12°C Ij=bivalent temperature Ij=operating limit	Pdh Pdh Pdh Pdh Pdh Pdh		kW kW kW kW kW	temperature 20°C and outdoor tem Tj=-7°C Tj=2°C Tj=12°C Tj=bivalent temperature Tj=operating limit	COPd COPd COPd COPd COPd COPd		
Гj=-15°С	Pdh	-	kW	Tj=-15°C	COPd	-	-
Bivalent temperature			7∞	Operating limit temperature	- :		7。_
neating / Average	Tbiv	-10	°C	heating / Average	Tol	-10	_°°
neating / Warmer	Thiv	2	_°C	heating / Warmer	Tol	2	°C
neating / Colder	Tbiv	-	°C	heating / Colder	Tol	-	°C
Duelle - leteral "				Overline interest # :			
Cycling interval capacity	Dever		الديد	Cycling interval efficiency	EED		٦
or cooling	Pcycc		kW	for cooling	EERcyc	<u> </u>	4-
or heating	Pcych	-	kW	for heating	COPcyc	-	<u> -</u>
Degradation coefficient				Degradation coefficient			
Degradation coefficient cooling	Cdc	0.25	7-	heating	Cdh	0.25	٦.
Electric power input in power modes of	other than 'active me	ode'		Annual electricity consumption	<u> </u>		
off mode	Poff	4	w	cooling	Qce	250	kWh/
standby mode	Psb	4	w	heating / Average	Qhe	1158	kWh/
hermostat-off mode	Pto(cooling)	14	w	heating / Warmer	Qhe	1131	kWh/a
-	Pto(heatling)	15	w	heating / colder	Qhe		kWh/
rankcase heater mode	Pck	0	w				
Capacity control(indicate one of three	options)			Other items			
. ,	•			Sound power level(indoor)	Lwa	59	dB(A
				Sound power level(outdoor)	Lwa	61	dB(A
ixed	No			Global warming potential	GWP	675	kgCO
staged	No			Rated air flow(indoor)	-	726	m³/h
variable	Yes			Rated air flow(indoor)	-	1968	m³/h
randolic	res					1300	pur/II
more information (EU)	MHIAE SERVICES erikerbergweg 238,	S B.V. Luna Aren	A, 1101 CI	its authorised representative. M Amsterdam, Netherlands. P.O.Box 2:	3393 1100 DW Am	sterdam, N	etherla



INVERTER WALL MOUNTED TYPE RESIDENTIAL AIR-CONDITIONERS



MITSUBISHI HEAVY INDUSTRIES THERMAL SYSTEMS, LTD.

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