



DATA BOOK

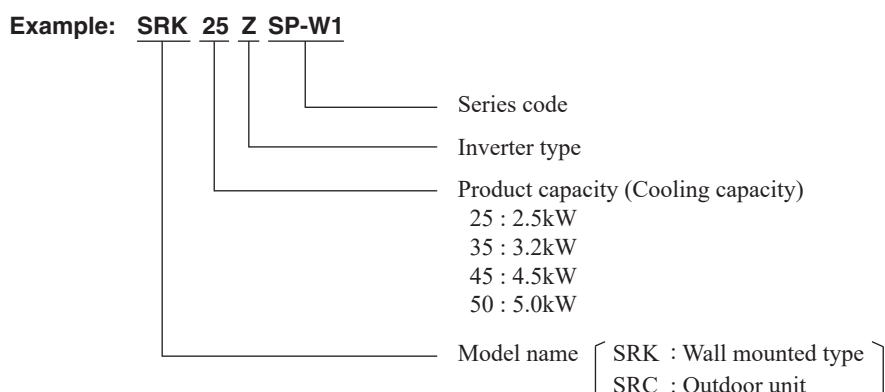
INVERTER WALL MOUNTED TYPE RESIDENTIAL AIR-CONDITIONERS (Split system, air to air heat pump type)

SRK25ZSP-W1
SRK35ZSP-W1
SRK45ZSP-W1
SRK50ZSP-W1

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■ How to read the model name



1. SPECIFICATIONS

Model SRK25ZSP-W1

Item			Model	SRK25ZSP-W1			
				Indoor unit		Outdoor unit	
				SRK25ZSP-W1		SRC25ZSP-W1	
Power source				1 Phase, 220 - 240V, 50Hz			
Operation data	Nominal cooling capacity (range)		kW	2.5 (0.8 (Min.) - 3.2 (Max.))			
	Nominal heating capacity (range)		kW	2.8 (0.8 (Min.) - 4.1 (Max.))			
	Heating capacity (H2)		kW	-			
	Power consumption	Cooling	kW	0.710 (0.18 - 1.03)			
		Heating		0.690 (0.20 - 1.38)			
		Heating (H2)		-			
	Max power consumption			1.65			
	Running current	Cooling	A	3.6 / 3.4 / 3.3 (220/ 230/ 240 V)			
		Heating		3.5 / 3.4 / 3.2 (220/ 230/ 240 V)			
	Inrush current, max current			3.6 / 3.4 / 3.3 (220/ 230/ 240 V) Max. 9			
	Power factor	Cooling	%	90			
		Heating		89			
	EER	Cooling		3.52			
	COP	Heating		4.05			
		Heating (H2)		-			
Sound power level	Cooling		57		57		
	Heating		56		57		
Sound pressure level	Cooling	dB(A)	Hi: 44 Me: 33 Lo: 21		47		
	Heating		Hi: 42 Me: 33 Lo: 25		45		
Silent mode sound pressure level			-		-		
Exterior dimensions (Height x Width x Depth)			mm	267 x 783 x 210		540 x 645(+57) x 275	
Exterior appearance (Equivalent color)				Fine snow		Stucco white	
				Munsell : (8.0Y 9.3/0.1), RAL : 9003		Munsell : (4.2Y 7.5/1.1), RAL : 7044	
Net weight			kg	7.0		22.0	
Compressor type & Quantity				-		RM-D5077SWE1(Rotary type) x 1	
Compressor motor (Starting method)			kW	-		0.75 (Inverter driven)	
Refrigerant oil (Amount, type)			L	-		0.25 (DIAMOND FREEZE MB75)	
Refrigerant (Type, amount, pre-charge length)			kg	R32 0.480 in outdoor unit (Incl. the amount for the piping of 10m)			
Heat exchanger				Louver fins & inner grooved tubing		M fins & inner grooved tubing	
Refrigerant control				Electronic expansion valve			
Fan type & Quantity				Tangential fan x 1		Propeller fan x 1	
Fan motor (Starting method)			W	23 x1 (Direct drive)		24 x1 (Direct drive)	
Air flow	Cooling	m³/min	Hi: 10.0 Me: 7.6 Lo: 4.3		21.9		
	Heating		Hi: 9.6 Me: 7.6 Lo: 5.3		21.9		
Available external static pressure			Pa	0		0	
Outside air intake				Not possible		-	
Air filter, Quality / Quantity				Polypropylene net (Washable) x 2		-	
Shock & vibration absorber				Rubber sleeve (for fan motor)		Rubber sleeve (for fan motor & compressor)	
Electric heater				-		-	
Operation control	Remote control			Wireless remote control			
	Room temperature control			Microcomputer thermostat			
	Operation display			RUN: Green , TIMER: Yellow			
Safety equipments				Compressor overheat protection, Overcurrent protection, Frost protection, Serial signal error protection, Indoor fan motor error protection, Heating overload protection(High pressure control), Cooling overload protection			
Installation data	Refrigerant piping size (O.D)		mm	Liquid line: ϕ 6.35 (1/4")		Gas line: ϕ 9.52 (3/8")	
	Connecting method			Flare connection		Flare connection	
	Attached length of piping		m	Liquid line : 0.46 / Gas line : 0.39		-	
	Insulation for piping			Necessary (Both sides), independent			
	Refrigerant line (one way) length		m	3 - 15			
	Vertical height diff. between O/U and I/U		m	Max.15 (Outdoor unit is higher) / Max.15 (Outdoor unit is lower)			
Drain hose				Hose connectable (VP16)		Hole size ϕ 20 x 2 pcs.	
Drain pump, max lift height			mm	-		-	
Recommended breaker size			A	16			
L.R.A. (Locked rotor ampere)			A	3.6 / 3.4 / 3.3 (220/ 230/ 240 V)			
Interconnecting wires		Size x Core number		1.5mm ² × 4 cores (Including earth cable) / Terminal block (Screw fixing type)			
IP number				IPX0		IPX4	
Standard accessories				Mounting kit			
Option parts				-			
Notes (1) The data are measured at the following conditions.				The pipe length is 5m.			
Operation	Item	Indoor air temperature		Outdoor air temperature		Standards	
		DB	WB	DB	WB		
	Cooling	27°C	19°C	35°C	24°C		
	Heating	20°C	-	7°C	6°C		
	Heating (H2)	20°C	-	2°C	1°C		
(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 SRK35ZSP-W1

Model			SRK35ZSP-W1			
Item			Indoor unit	SRK35ZSP-W1	Outdoor unit	SRC35ZSP-W1
Power source			1 Phase, 220 - 240V, 50Hz			
Operation data	Nominal cooling capacity (range)		kW	3.2 (0.9 (Min.) - 3.7 (Max.))		
	Nominal heating capacity (range)		kW	3.6 (0.9 (Min.) - 4.6 (Max.))		
	Heating capacity (H2)		kW	-		
	Power consumption	Cooling	kW	0.910 (0.18 - 1.30)		
		Heating		0.930 (0.19 - 1.43)		
		Heating (H2)		-		
	Max power consumption			1.65		
	Running current	Cooling	A	4.8 / 4.5 / 4.4 (220/ 230/ 240 V)		
		Heating		4.8 / 4.6 / 4.4 (220/ 230/ 240 V)		
	Inrush current, max current			4.8 / 4.6 / 4.4 (220/ 230/ 240 V) Max. 9		
	Power factor	Cooling	%	87		
		Heating		88		
	EER	Cooling		3.52		
	COP	Heating		3.87		
		Heating (H2)		-		
Sound power level	Cooling	dB(A)	57		59	
	Heating		57		60	
Sound pressure level	Cooling		Hi: 44 Me: 35 Lo: 22	47		
	Heating		Hi: 44 Me: 35 Lo: 27	47		
Silent mode sound pressure level			-		-	
Exterior dimensions (Height x Width x Depth)			mm	267 x 783 x 210		540 x 645(+57) x 275
Exterior appearance (Equivalent color)				Fine snow Munsell : (8.0Y 9.3/0.1), RAL : 9003		Stucco white Munsell : (4.2Y 7.5/1.1), RAL : 7044
Net weight			kg	7.0		24.0
Compressor type & Quantity				-		RM-D5077SWE1(Rotary type) x 1
Compressor motor (Starting method)			kW	-		0.75 (Inverter driven)
Refrigerant oil (Amount, type)			L	-		0.25 (DIAMOND FREEZE MB75)
Refrigerant (Type, amount, pre-charge length)			kg	R32 0.650 in outdoor unit (Incl. the amount for the piping of 15m)		
Heat exchanger				Louver fins & inner grooved tubing		M fins & inner grooved tubing
Refrigerant control				Electronic expansion valve		
Fan type & Quantity				Tangential fan x 1		Propeller fan x 1
Fan motor (Starting method)			W	23 x1 (Direct drive)		24 x1 (Direct drive)
Air flow	Cooling	m³/min	Hi: 10.4 Me: 7.2 Lo: 4.3		22.8	
	Heating		Hi: 9.9 Me: 7.2 Lo: 5.5		22.0	
Available external static pressure			Pa	0		0
Outside air intake				Not possible		-
Air filter, Quality / Quantity				Polypropylene net (Washable) x 2		-
Shock & vibration absorber				Rubber sleeve (for fan motor)		Rubber sleeve (for fan motor & compressor)
Electric heater				-		-
Operation control	Remote control			Wireless remote control		
	Room temperature control			Microcomputer thermostat		
	Operation display			RUN: Green , TIMER: Yellow		
Safety equipments				Compressor overheat protection, Overcurrent protection, Frost protection, Serial signal error protection, Indoor fan motor error protection, Heating overload protection(High pressure control), Cooling overload protection		
Installation data	Refrigerant piping size (O.D)		mm	Liquid line: ϕ 6.35 (1/4")		Gas line: ϕ 9.52 (3/8")
	Connecting method			Flare connection		Flare connection
	Attached length of piping		m	Liquid line : 0.46 / Gas line : 0.39		-
	Insulation for piping			Necessary (Both sides), independent		
	Refrigerant line (one way) length		m	3 - 15		
	Vertical height diff. between O/U and I/U		m	Max.15 (Outdoor unit is higher) / Max.15 (Outdoor unit is lower)		
Drain hose				Hose connectable (VP16)		Hole size ϕ 20 x 2 pcs.
Drain pump, max lift height			mm	-		-
Recommended breaker size			A	16		
L.R.A. (Locked rotor ampere)			A	4.8 / 4.6 / 4.4 (220/ 230/ 240 V)		
Interconnecting wires		Size x Core number		1.5mm² × 4 cores (Including earth cable) / Terminal block (Screw fixing type)		
IP number				IPX0		IPX4
Standard accessories				Mounting kit		
Option parts				-		
Notes (1) The data are measured at the following conditions.				The pipe length is 5m.		
Operation	Item	Indoor air temperature		Outdoor air temperature		Standards
		DB	WB	DB	WB	
	Cooling	27°C	19°C	35°C	24°C	
	Heating	20°C	-	7°C	6°C	
	Heating (H2)	20°C	-	2°C	1°C	
(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 SRK45ZSP-W1

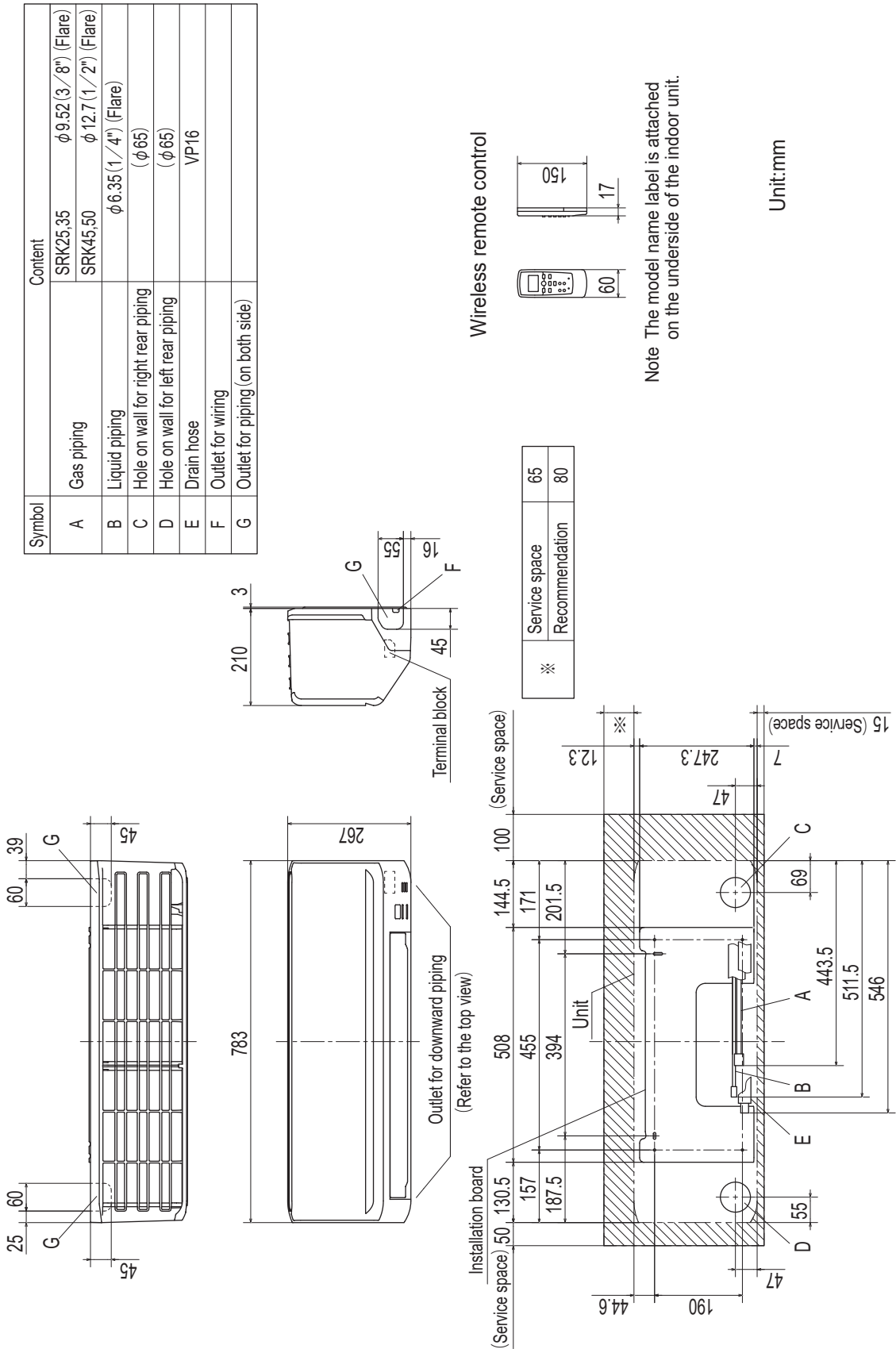
Model			SRK45ZSP-W1			
Item			Indoor unit	SRK45ZSP-W1	Outdoor unit	SRC45ZSP-W1
Power source			1 Phase, 220 - 240V, 50Hz			
Operation data	Nominal cooling capacity (range)		kW	4.5 (1.3 (Min.) - 4.8 (Max.))		
	Nominal heating capacity (range)		kW	5.0 (1.2 (Min.) - 5.8 (Max.))		
	Heating capacity (H2)		kW	-		
	Power consumption	Cooling	kW	1.390 (0.29 - 1.67)		
		Heating		1.360 (0.27 - 1.84)		
		Heating (H2)		-		
	Max power consumption			2.68		
	Running current	Cooling	A	6.4 / 6.2 / 5.9 (220/ 230/ 240 V)		
		Heating		6.3 / 6.0 / 5.8 (220/ 230/ 240 V)		
	Inrush current, max current			5.0 / 5.0 / 5.0 (220/ 230/ 240 V) Max. 14.5		
	Power factor	Cooling	%	98		
		Heating		98		
	EER	Cooling		3.23		
		Heating		3.68		
	COP	Heating		-		
Heating (H2)						
Sound power level	Cooling	dB(A)	57		64	
	Heating		62		62	
Sound pressure level	Cooling		Hi: 44 Me: 37 Lo: 22	51		
	Heating		Hi: 48 Me: 40 Lo: 28	51		
Silent mode sound pressure level			-		-	
Exterior dimensions (Height x Width x Depth)			mm	267 x 783 x 210		595 x 780(+62) x 290
Exterior appearance (Equivalent color)				Fine snow Munsell : (8.0Y 9.3/0.1), RAL : 9003		Stucco white Munsell : (4.2Y 7.5/1.1), RAL : 7044
Net weight			kg	7.5		33.0
Compressor type & Quantity				-		9RS102ZBE21(Rotary type) x 1
Compressor motor (Starting method)			kW	-		1.50 (Inverter driven)
Refrigerant oil (Amount, type)			L	-		0.32 (FW50S)
Refrigerant (Type, amount, pre-charge length)			kg	R32 0.950 in outdoor unit (Incl. the amount for the piping of 15m)		
Heat exchanger				Louver fins & inner grooved tubing		M fins & inner grooved tubing
Refrigerant control				Electronic expansion valve		
Fan type & Quantity				Tangential fan x 1		Propeller fan x 1
Fan motor (Starting method)			W	23 x1 (Direct drive)		24 x1 (Direct drive)
Air flow	Cooling	m³/min	Hi: 9.7 Me: 7.8 Lo: 3.7		35.6	
	Heating		Hi: 12.0 Me: 8.8 Lo: 5.4		33.4	
Available external static pressure			Pa	0		0
Outside air intake				Not possible		-
Air filter, Quality / Quantity				Polypropylene net (Washable) x 2		-
Shock & vibration absorber				Rubber sleeve (for fan motor)		Rubber sleeve (for fan motor & compressor)
Electric heater				-		-
Operation control	Remote control			Wireless remote control		
	Room temperature control			Microcomputer thermostat		
	Operation display			RUN: Green , TIMER: Yellow		
Safety equipments				Compressor overheat protection, Overcurrent protection, Frost protection, Serial signal error protection, Indoor fan motor error protection, Heating overload protection(High pressure control), Cooling overload protection		
Installation data	Refrigerant piping size (O.D)		mm	Liquid line: ϕ 6.35 (1/4")		Gas line: ϕ 12.7 (1/2")
	Connecting method			Flare connection		Flare connection
	Attached length of piping		m	Liquid line : 0.46 / Gas line : 0.39		-
	Insulation for piping			Necessary (Both sides), independent		
	Refrigerant line (one way) length		m	3 - 25		
	Vertical height diff. between O/U and I/U		m	Max.15 (Outdoor unit is higher) / Max.15 (Outdoor unit is lower)		
Drain hose				Hose connectable (VP16)		Hole size ϕ 20 x 2 pcs.
Drain pump, max lift height			mm	-		-
Recommended breaker size			A	20		
L.R.A. (Locked rotor ampere)			A	5.0 / 5.0 / 5.0 (220/ 230/ 240 V)		
Interconnecting wires		Size x Core number		1.5mm² × 4 cores (Including earth cable) / Terminal block (Screw fixing type)		
IP number				IPX0		IPX4
Standard accessories				Mounting kit		
Option parts				-		
Notes (1) The data are measured at the following conditions.				The pipe length is 5m.		
Operation	Item	Indoor air temperature		Outdoor air temperature		Standards
		DB	WB	DB	WB	
	Cooling	27°C	19°C	35°C	24°C	
	Heating	20°C	-	7°C	6°C	
	Heating (H2)	20°C	-	2°C	1°C	
(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 SRK50ZSP-W1

Model			SRK50ZSP-W1			
Item			Indoor unit	SRK50ZSP-W1	Outdoor unit	SRC50ZSP-W1
Power source			1 Phase, 220 - 240V, 50Hz			
Operation data	Nominal cooling capacity (range)		kW	5.0 (1.3 (Min.) - 5.2 (Max.))		
	Nominal heating capacity (range)		kW	5.6 (1.2 (Min.) - 5.8 (Max.))		
	Heating capacity (H2)		kW	-		
	Power consumption	Cooling	kW	1.740 (0.29 - 1.74)		
		Heating		1.660 (0.27 - 1.84)		
		Heating (H2)		-		
	Max power consumption			2.68		
	Running current	Cooling	A	8.0 / 7.6 / 7.3 (220/ 230/ 240 V)		
		Heating		7.6 / 7.3 / 7.0 (220/ 230/ 240 V)		
	Inrush current, max current			5.0 / 5.0 / 5.0 (220/ 230/ 240 V) Max. 14.5		
	Power factor	Cooling	%	99		
		Heating		99		
	EER	Cooling		2.87		
		Heating		3.37		
	COP	Heating		-		
Heating (H2)						
Sound power level	Cooling	dB(A)	59		65	
	Heating		62		65	
Sound pressure level	Cooling		Hi: 46 Me: 37 Lo: 22	52		
	Heating		Hi: 48 Me: 40 Lo: 28	52		
Silent mode sound pressure level			-		-	
Exterior dimensions (Height x Width x Depth)			mm	267 x 783 x 210		595 x 780(+62) x 290
Exterior appearance (Equivalent color)				Fine snow Munsell : (8.0Y 9.3/0.1), RAL : 9003		Stucco white Munsell : (4.2Y 7.5/1.1), RAL : 7044
Net weight			kg	7.5		33.0
Compressor type & Quantity				-		9RS102ZBE21(Rotary type) x 1
Compressor motor (Starting method)			kW	-		1.50 (Inverter driven)
Refrigerant oil (Amount, type)			L	-		0.32 (FW50S)
Refrigerant (Type, amount, pre-charge length)			kg	R32 0.950 in outdoor unit (Incl. the amount for the piping of 15m)		
Heat exchanger				Louver fins & inner grooved tubing		M fins & inner grooved tubing
Refrigerant control				Electronic expansion valve		
Fan type & Quantity				Tangential fan x 1		Propeller fan x 1
Fan motor (Starting method)			W	23 x1 (Direct drive)		24 x1 (Direct drive)
Air flow	Cooling	m³/min	Hi: 10.5 Me: 7.8 Lo: 3.7		37.7	
	Heating		Hi: 12.0 Me: 8.8 Lo: 5.4		35.6	
Available external static pressure			Pa	0		0
Outside air intake				Not possible		-
Air filter, Quality / Quantity				Polypropylene net (Washable) x 2		-
Shock & vibration absorber				Rubber sleeve (for fan motor)		Rubber sleeve (for fan motor & compressor)
Electric heater				-		-
Operation control	Remote control			Wireless remote control		
	Room temperature control			Microcomputer thermostat		
	Operation display			RUN: Green , TIMER: Yellow		
Safety equipments				Compressor overheat protection, Overcurrent protection, Frost protection, Serial signal error protection, Indoor fan motor error protection, Heating overload protection(High pressure control), Cooling overload protection		
Installation data	Refrigerant piping size (O.D)		mm	Liquid line: ϕ 6.35 (1/4")		Gas line: ϕ 12.7 (1/2")
	Connecting method			Flare connection		Flare connection
	Attached length of piping		m	Liquid line : 0.46 / Gas line : 0.39		-
	Insulation for piping			Necessary (Both sides), independent		
	Refrigerant line (one way) length		m	3 - 25		
	Vertical height diff. between O/U and I/U		m	Max.15 (Outdoor unit is higher) / Max.15 (Outdoor unit is lower)		
	Drain hose			Hose connectable (VP16)		Hole size ϕ 20 x 2 pcs.
Drain pump, max lift height			mm	-		-
Recommended breaker size			A	20		
L.R.A. (Locked rotor ampere)			A	5.0 / 5.0 / 5.0 (220/ 230/ 240 V)		
Interconnecting wires		Size x Core number		1.5mm² × 4 cores (Including earth cable) / Terminal block (Screw fixing type)		
IP number				IPX0		IPX4
Standard accessories				Mounting kit		
Option parts				-		
Notes (1) The data are measured at the following conditions.				The pipe length is 5m.		
Operation	Item	Indoor air temperature		Outdoor air temperature		Standards
		DB	WB	DB	WB	
	Cooling	27°C	19°C	35°C	24°C	
	Heating	20°C	-	7°C	6°C	
	Heating (H2)	20°C	-	2°C	1°C	
(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 SRK25ZSP-W1, 35ZSP-W1, 45ZSP-W1, 50ZSP-W1



(2) Outdoor units

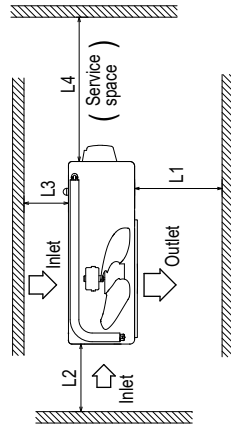
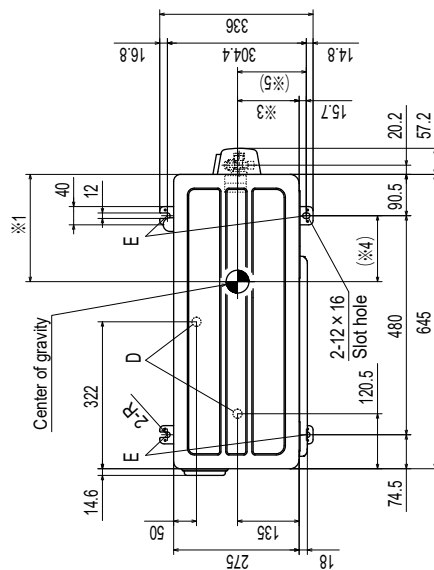
Models SRC25ZSP-W1, 35ZSP-W1

Symbol	Content
A	Service valve connection (gas side)
B	Service valve connection (liquid side)
C	Pipe/ cable draw-out hole
D	Drain discharge hole
E	Anchor bolt hole

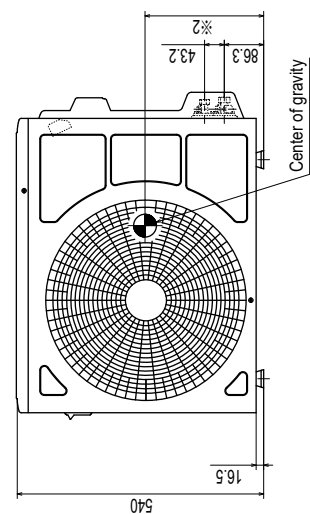
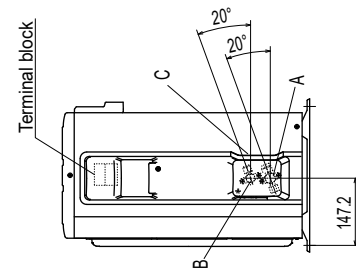
Notes

- (1) The unit must not be surrounded by walls on the four sides.
- (2) The unit must be fixed with anchor bolts.
- (3) An anchor bolt must not protrude more than 15mm.
- (4) 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.
- (5) Leave 200mm or more space above the unit.
- (6) The wall height on the outlet side should be 1200mm or less.
- (7) The model name label is attached on the right side of the unit.

Dimensions MODEL	※1	※2	※3	※4	※5
SRC25ZSP-W1	220	260	130	129.5	145.7
SRC35ZSP-W1	235	260	135	144.5	150.7



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



Unit:mm

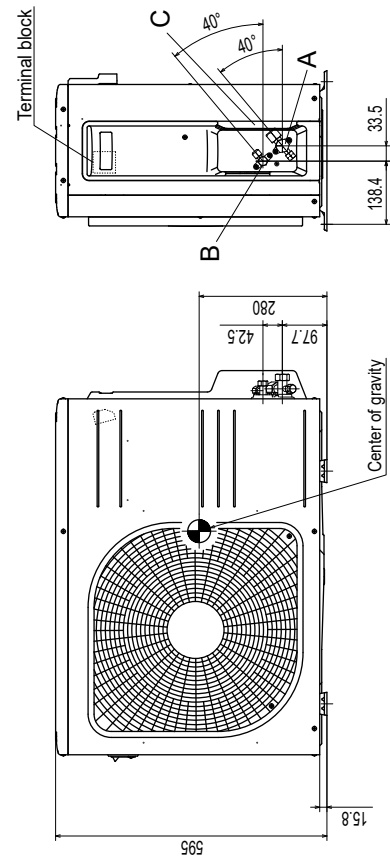
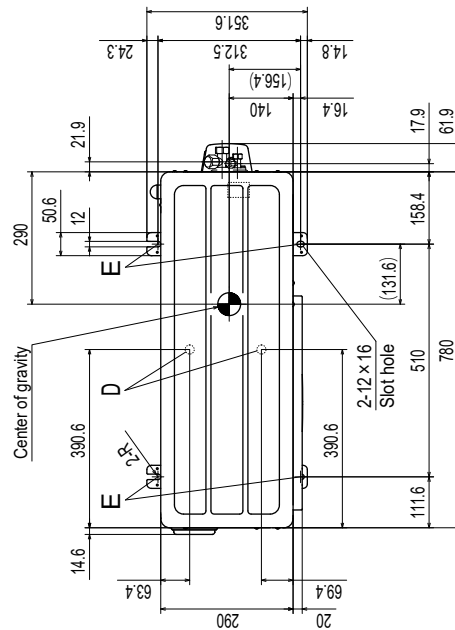
RCW000Z010

Models SRC45ZSP-W1, 50ZSP-W1

Notes

- (1) The unit must not be surrounded by walls on the four sides.
- (2) The unit must be fixed with anchor bolts.
- (3) An anchor bolt must not 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.
- (4) Leave 200mm or more space above the unit.
- (5) The wall height on the outlet side should be 1200mm or less.
- (6) The model name label is attached on the right side of the unit.

Symbol	Content
A	Service valve connection (gas side)
B	Service valve connection (liquid side)
C	Pipe/ cable draw-out hole
D	Discharge hole
E	Anchor bolt hole



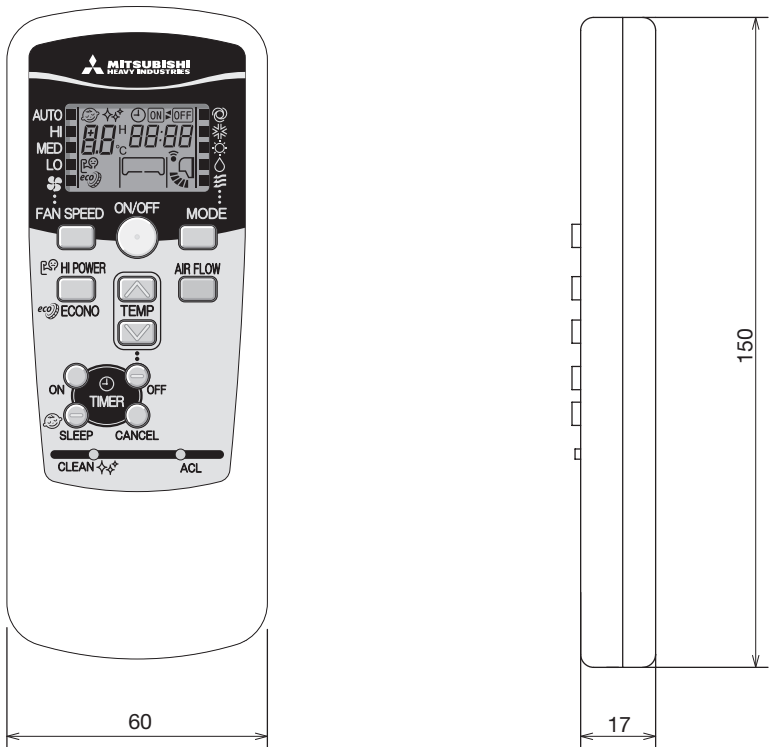
	Installation space
L1	280 or more
L2	100 or more
L3	80 or more
L4	250 or more

Unit:mm

RCV000Z046

(3) Wireless remote control

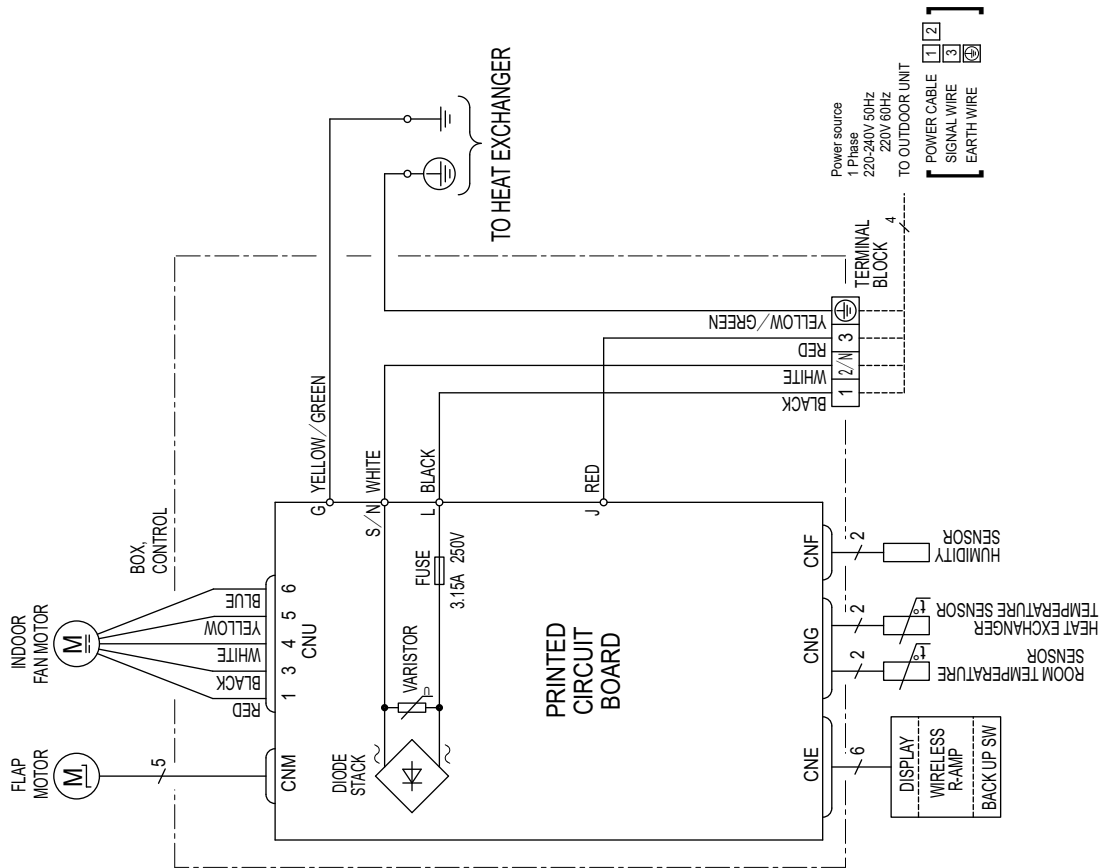
Unit: mm



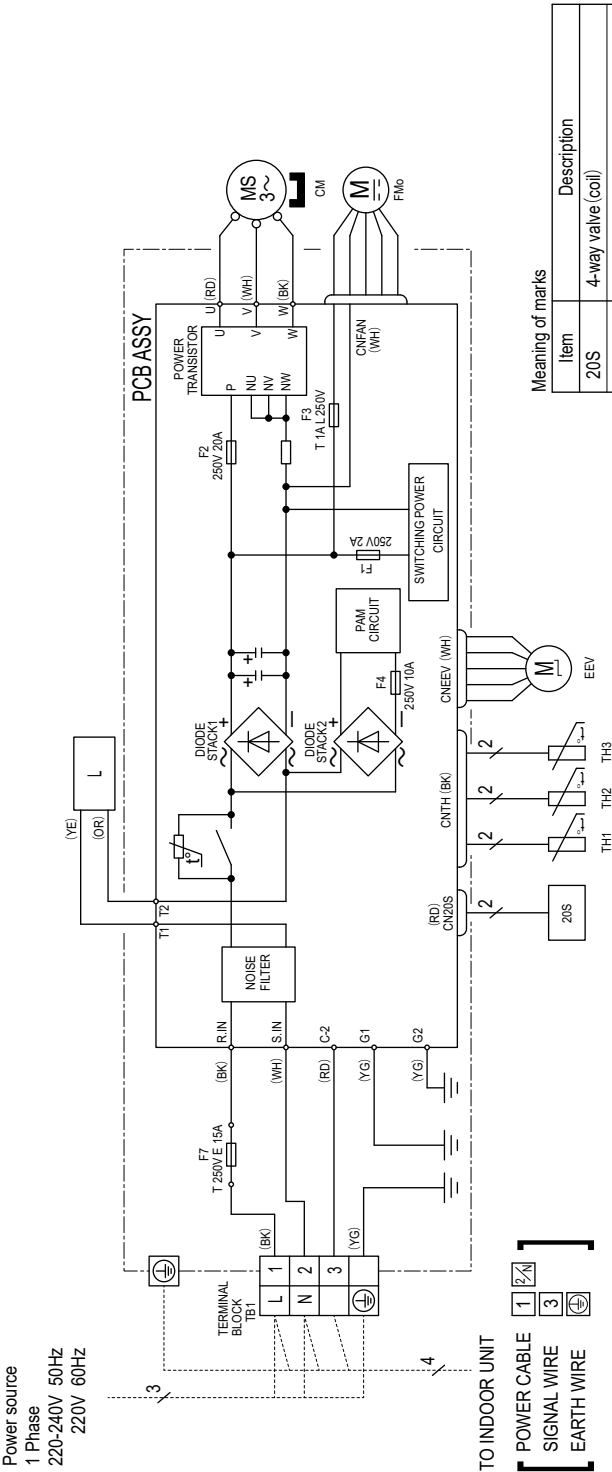
3. ELECTRICAL WIRING

(1) Indoor units
Models SRK25ZSP-W1, 35ZSP-W1, 45ZSP-W1, 50ZSP-W1

Item	Description
CNE	Connector
CNF	
CNG	
CNM	
CNU	



(2) Outdoor units
Models SRC25ZSP-W1, 35ZSP-W1

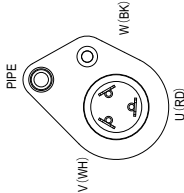


Meaning of marks

Item	Description
20S	4-way valve (coil)
CN20S	Connector
CNEEV	
CNFAN	
CNTH	
CM	Compressor motor
EEV	Electric expansion valve (coil)
FMo	Fan motor
L	Reactor
TH1	Heat exchanger temperature sensor
TH2	Outdoor air temperature sensor
TH3	Discharge pipe temperature sensor

Color marks

Mark	Color
BK	Black
RD	Red
WH	White
OR	Orange
YE	Yellow
YG	Yellow / Green



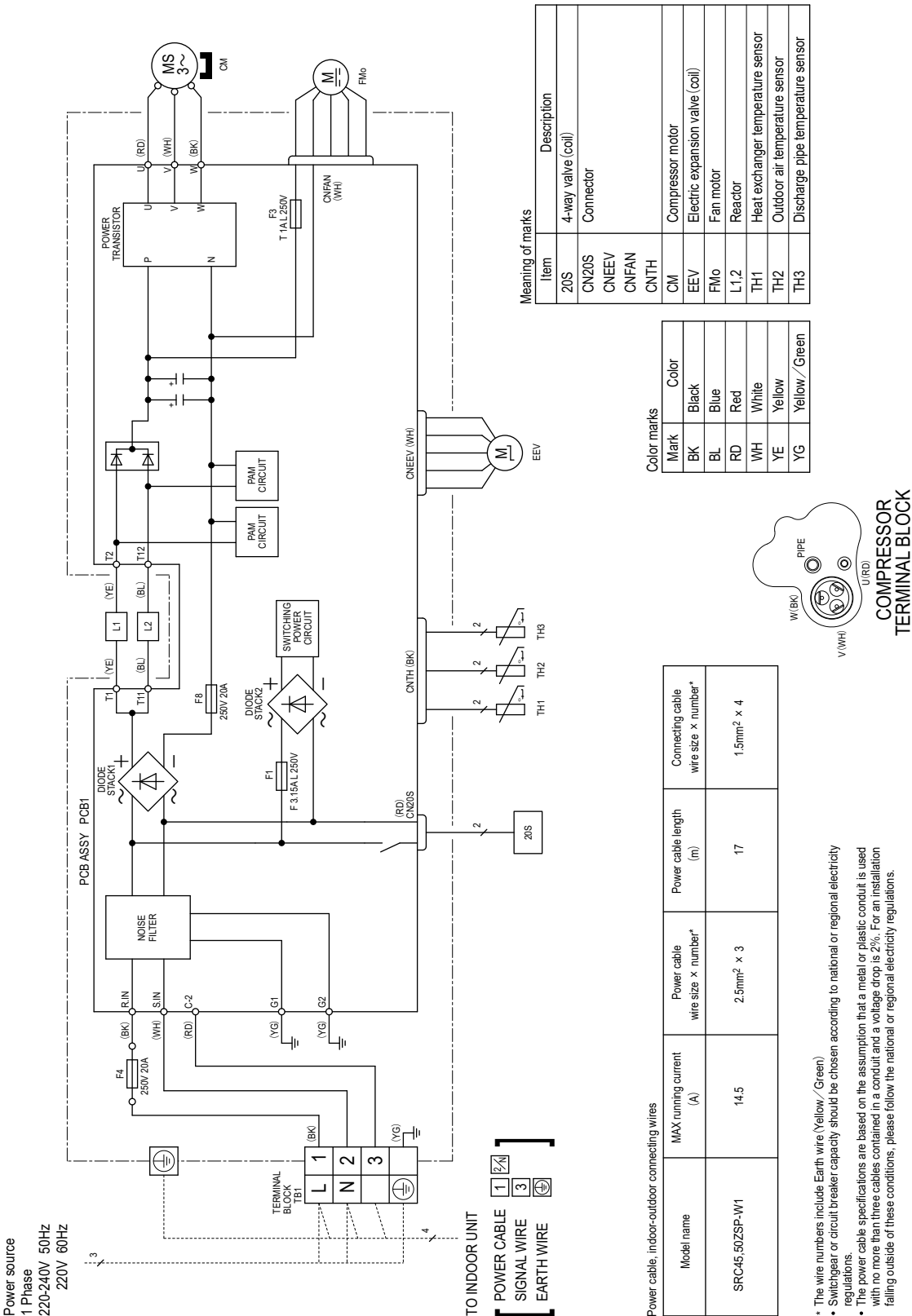
COMPRESSOR
TERMINAL BLOCK

Power cable, indoor-outdoor connecting wires

Model name	MAX running current (A)	Power cable wire size x number*	Power cable length (m)	Connecting cable wire size x number*
SRC25.35ZSP-W1	9	2.5mm ² x 3	28	1.5mm ² x 4

* The wire numbers include Earth wire (Yellow / Green)
• Switchgear or circuit breaker capacity should be chosen according to national or regional electricity regulations.
• The power cable specifications are based on the assumption that a metal or plastic conduit is used with no more than three cables contained in a conduit and a voltage drop is 2%. For an installation falling outside of these conditions, please follow the national or regional electricity regulations.

Models SRC45ZSP-W1, 50ZSP-W1



4. NOISE LEVEL

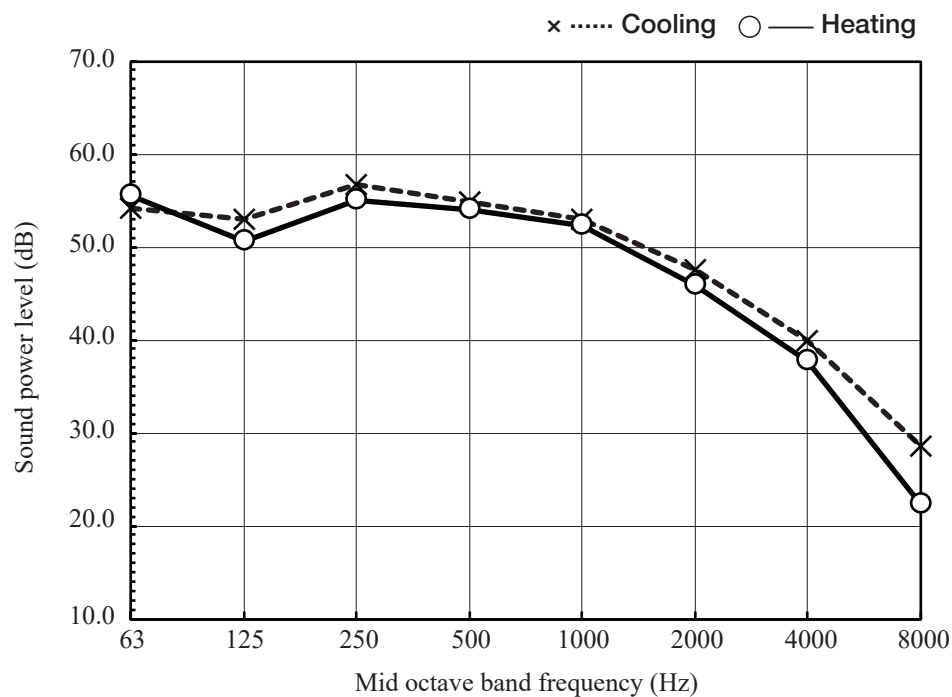
(1) Sound power level

Model SRK25ZSP-W1

(Indoor unit)

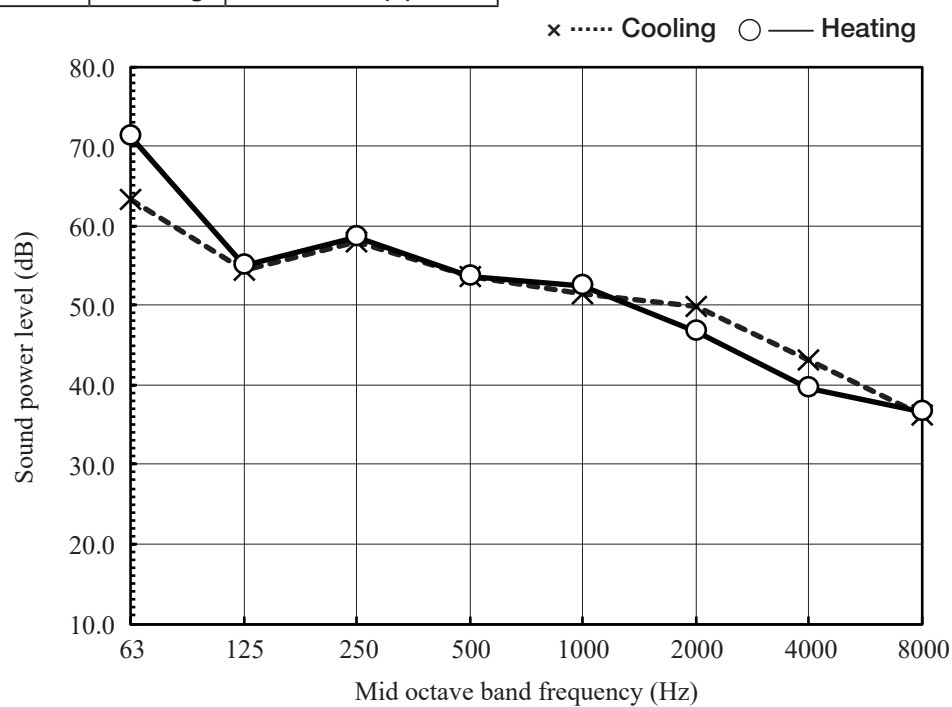
Model	SRK25ZSP-W1	
Noise level	Cooling	57 dB(A)
	Heating	56 dB(A)

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



(Outdoor unit)

Model	SRC25ZSP-W1	
Noise level	Cooling	57 dB(A)
	Heating	57 dB(A)

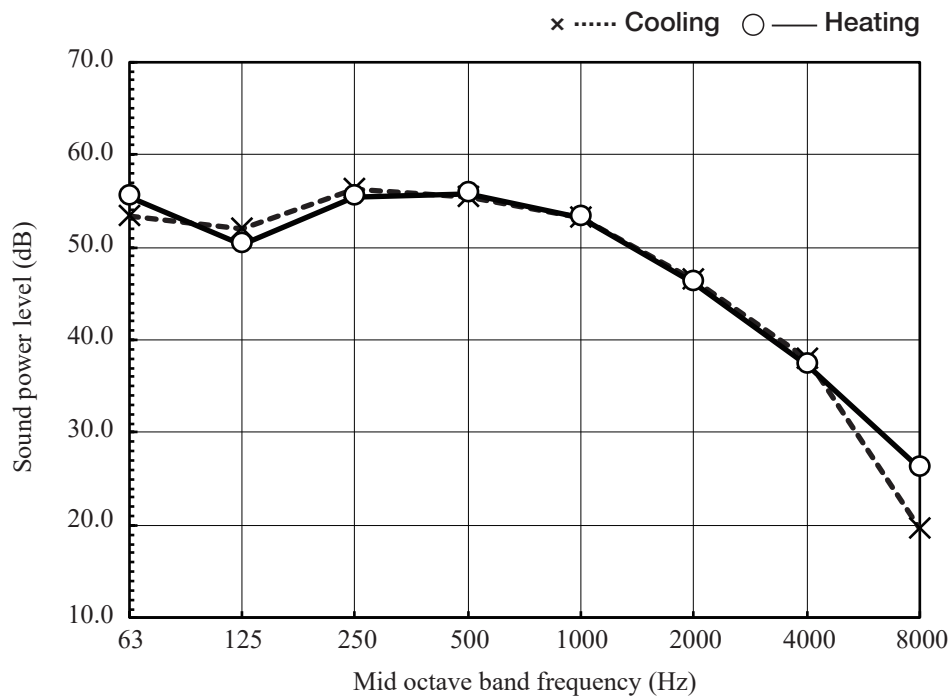


Model SRK35ZSP-W1

(Indoor unit)

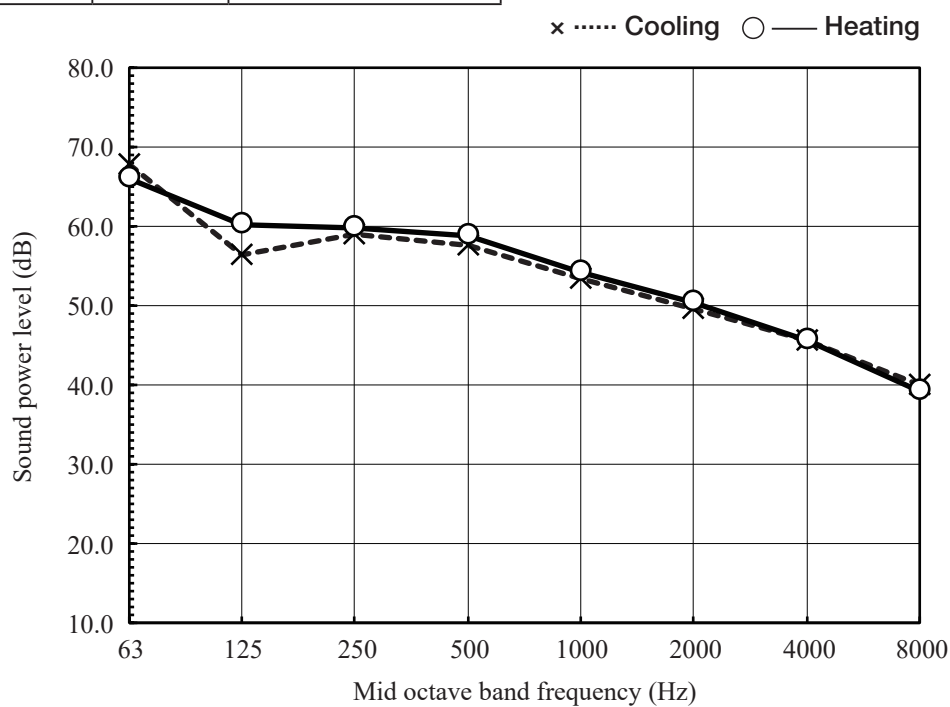
Model	SRK35ZSP-W1	
Noise level	Cooling	57 dB(A)
	Heating	57 dB(A)

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



(Outdoor unit)

Model	SRC35ZSP-W1	
Noise level	Cooling	59 dB(A)
	Heating	60 dB(A)

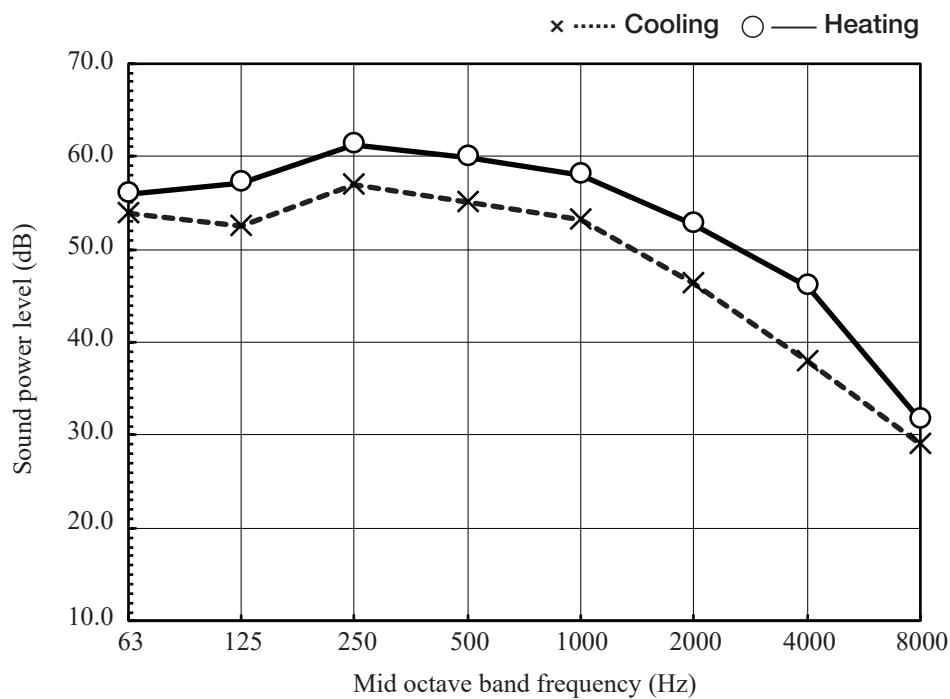


Model SRK45ZSP-W1

(Indoor unit)

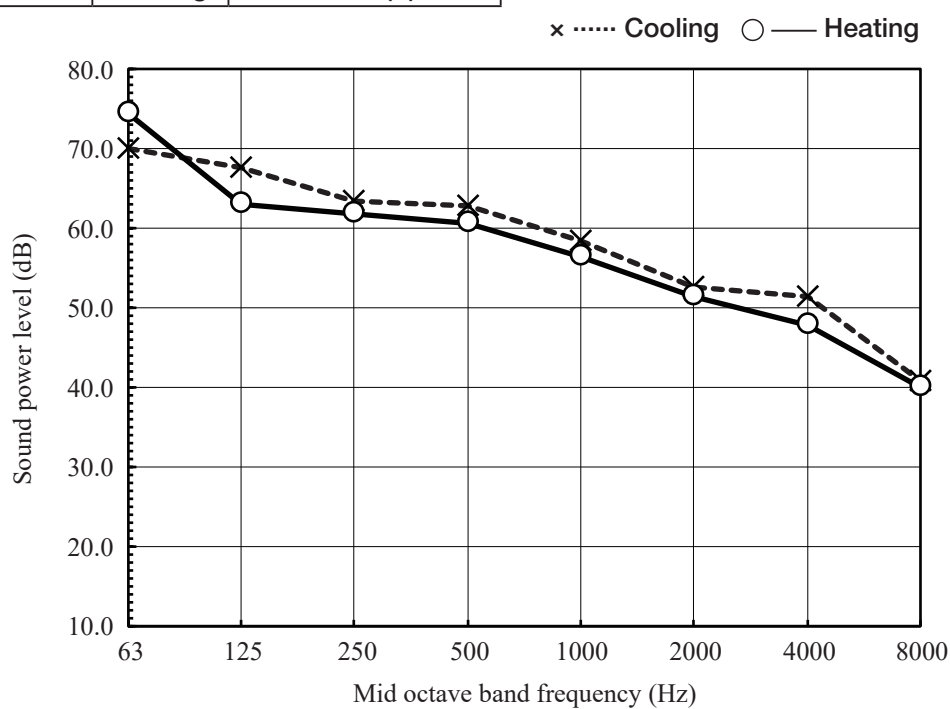
Model	SRK45ZSP-W1	
Noise level	Cooling	57 dB(A)
	Heating	62 dB(A)

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



(Outdoor unit)

Model	SRC45ZSP-W1	
Noise level	Cooling	64 dB(A)
	Heating	62 dB(A)

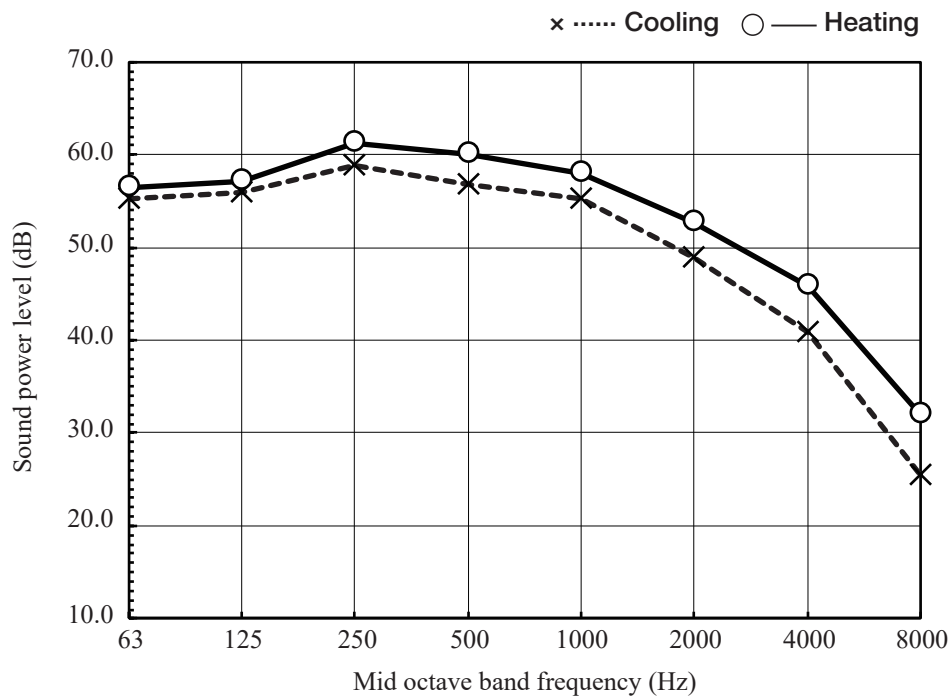


Model SRK50ZSP-W1

(Indoor unit)

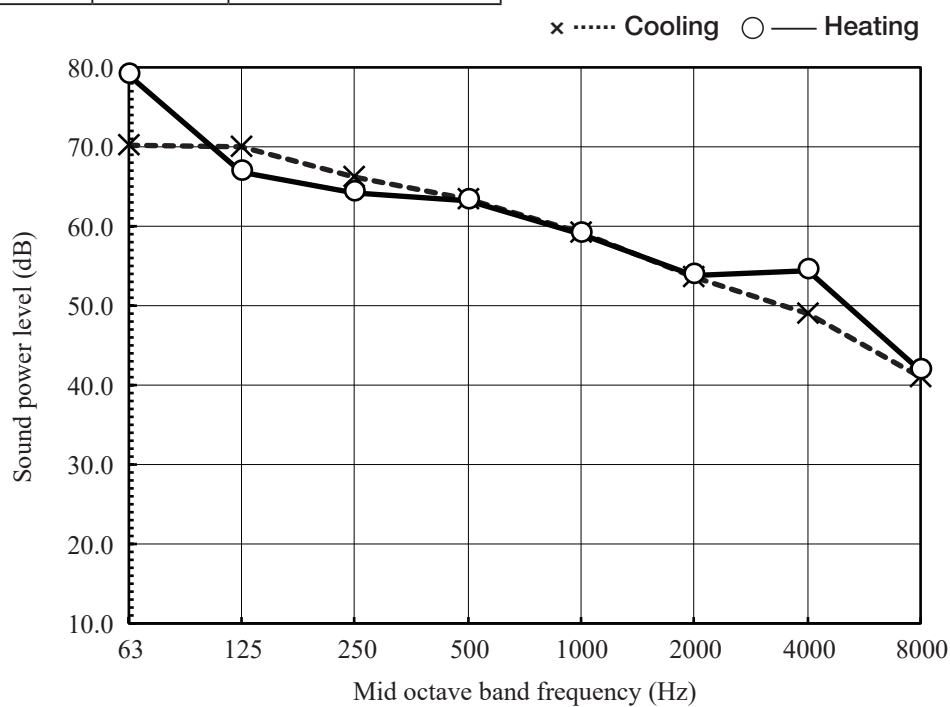
Model	SRK50ZSP-W1	
Noise level	Cooling	59 dB(A)
	Heating	62 dB(A)

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



(Outdoor unit)

Model	SRC50ZSP-W1	
Noise level	Cooling	65 dB(A)
	Heating	65 dB(A)



(2) Sound pressure level

(a) Rated capacity value

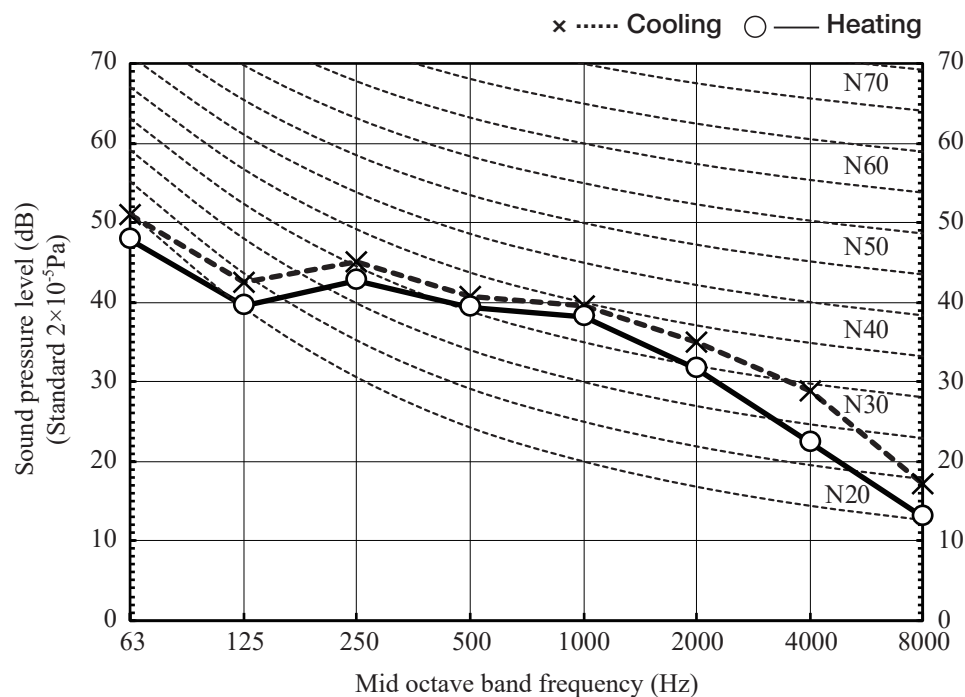
Model SRK25ZSP-W1

(Indoor unit)

Model	SRK25ZSP-W1	
Noise level	Cooling	44 dB(A)
	Heating	42 dB(A)

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

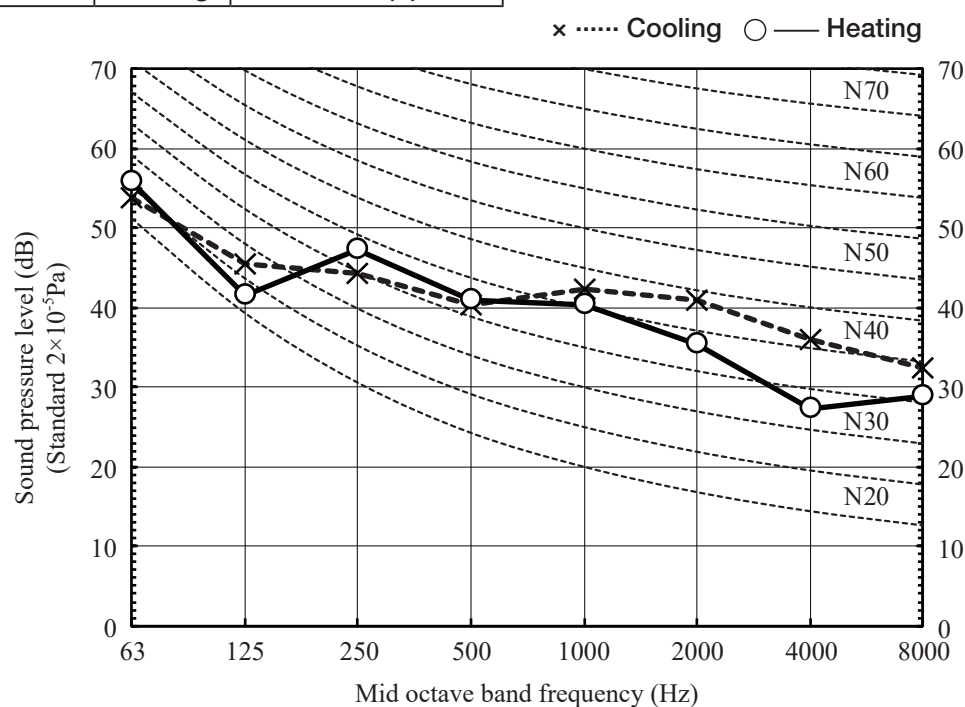
● Mike position



(Outdoor unit)

Model	SRC25ZSP-W1	
Noise level	Cooling	47 dB(A)
	Heating	45 dB(A)

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



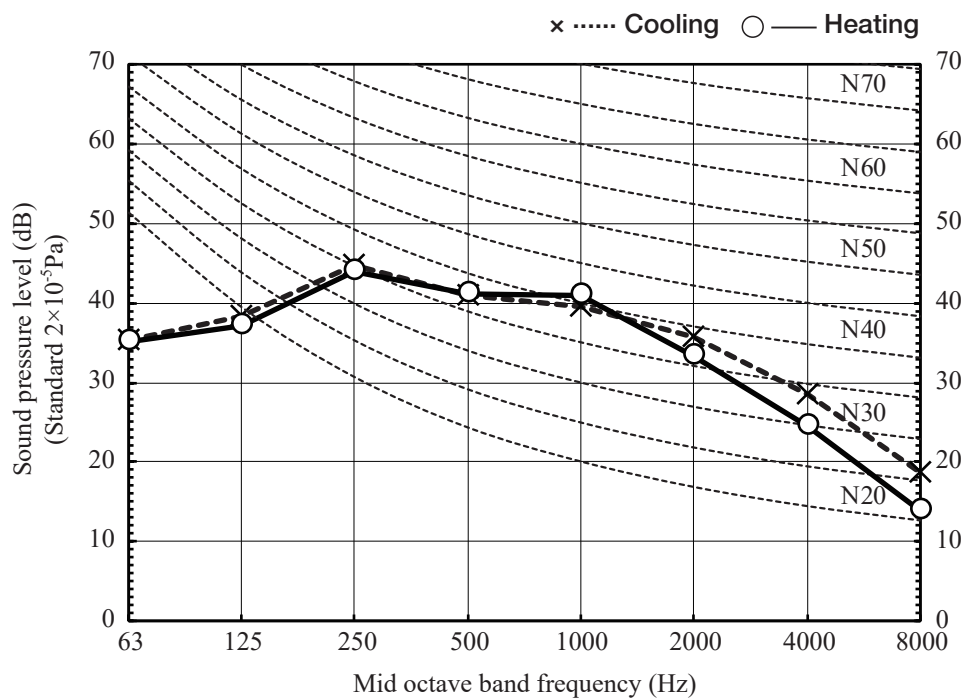
Model SRK35ZSP-W1

(Indoor unit)

Model	SRK35ZSP-W1	
Noise level	Cooling	44 dB(A)
	Heating	44 dB(A)

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

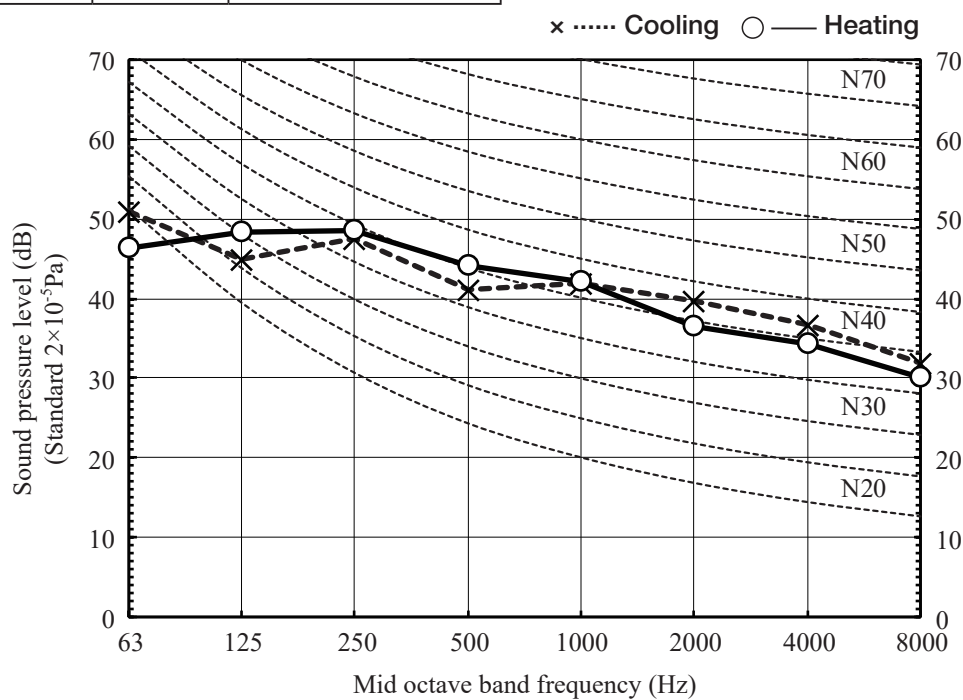
● Mike position



(Outdoor unit)

Model	SRC35ZSP-W1	
Noise level	Cooling	47 dB(A)
	Heating	47 dB(A)

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



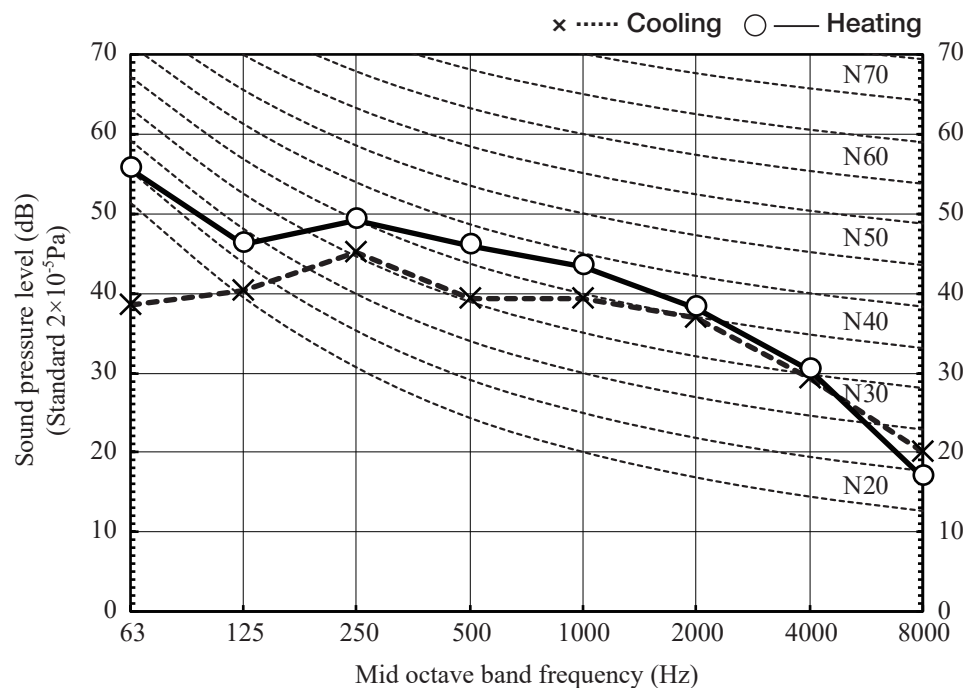
Model SRK45ZSP-W1

(Indoor unit)

Model	SRK45ZSP-W1	
Noise level	Cooling	44 dB(A)
	Heating	48 dB(A)

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

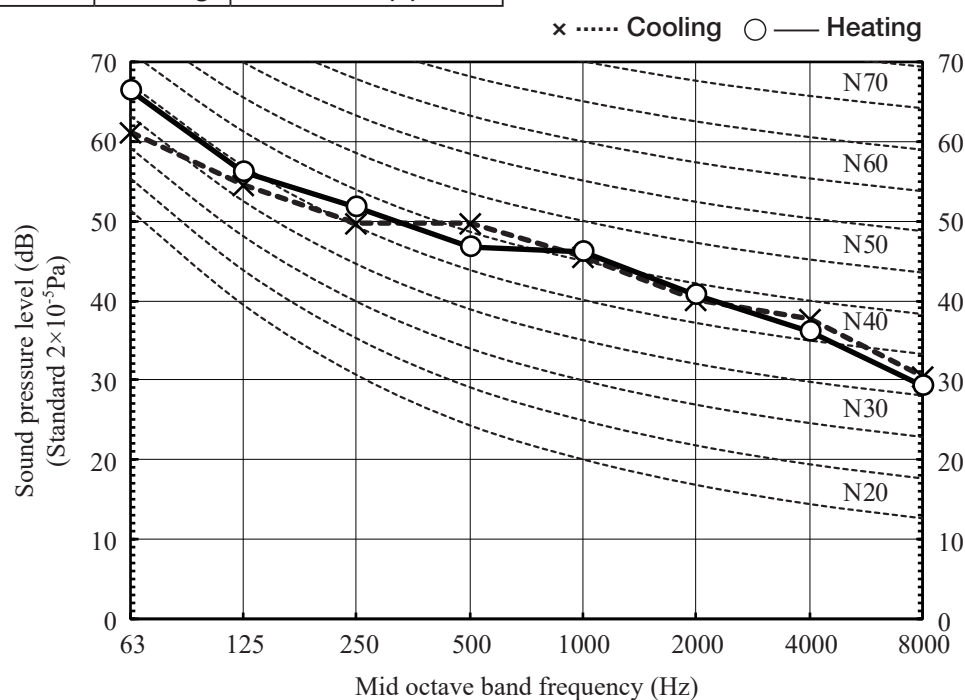
● Mike position



(Outdoor unit)

Model	SRC45ZSP-W1	
Noise level	Cooling	51 dB(A)
	Heating	51 dB(A)

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



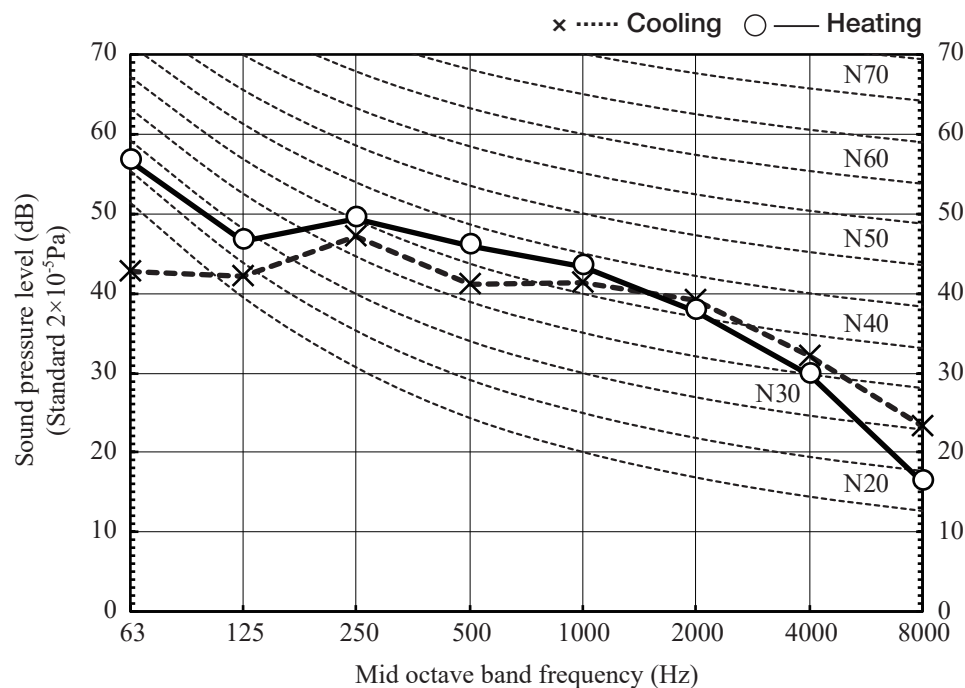
Model SRK50ZSP-W1

(Indoor unit)

Model	SRK50ZSP-W1	
Noise level	Cooling	46 dB(A)
	Heating	48 dB(A)

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

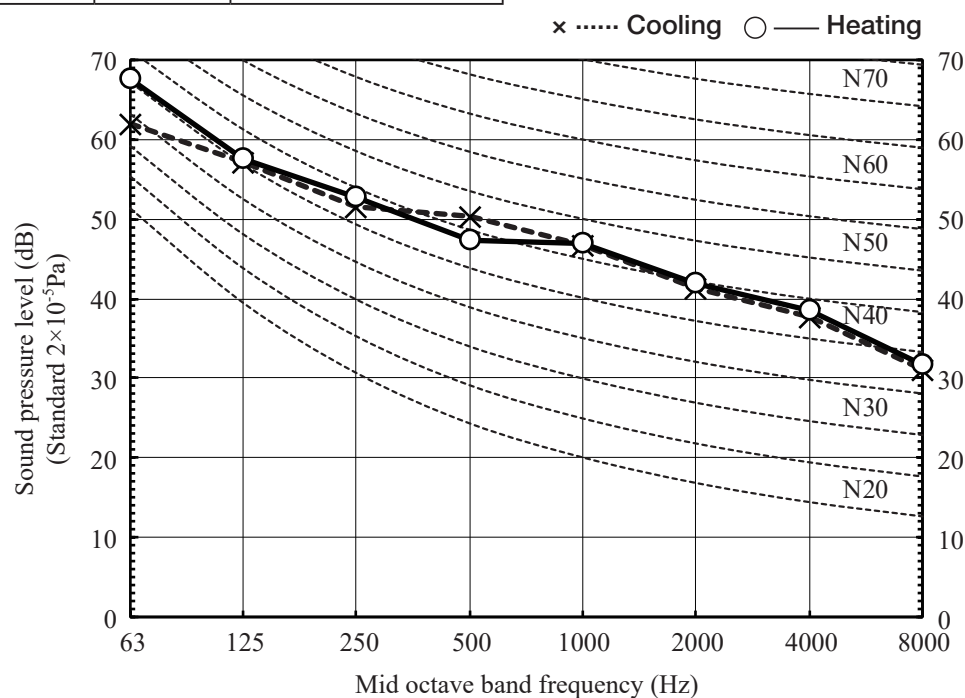
● Mike position



(Outdoor unit)

Model	SRC50ZSP-W1	
Noise level	Cooling	52 dB(A)
	Heating	52 dB(A)

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



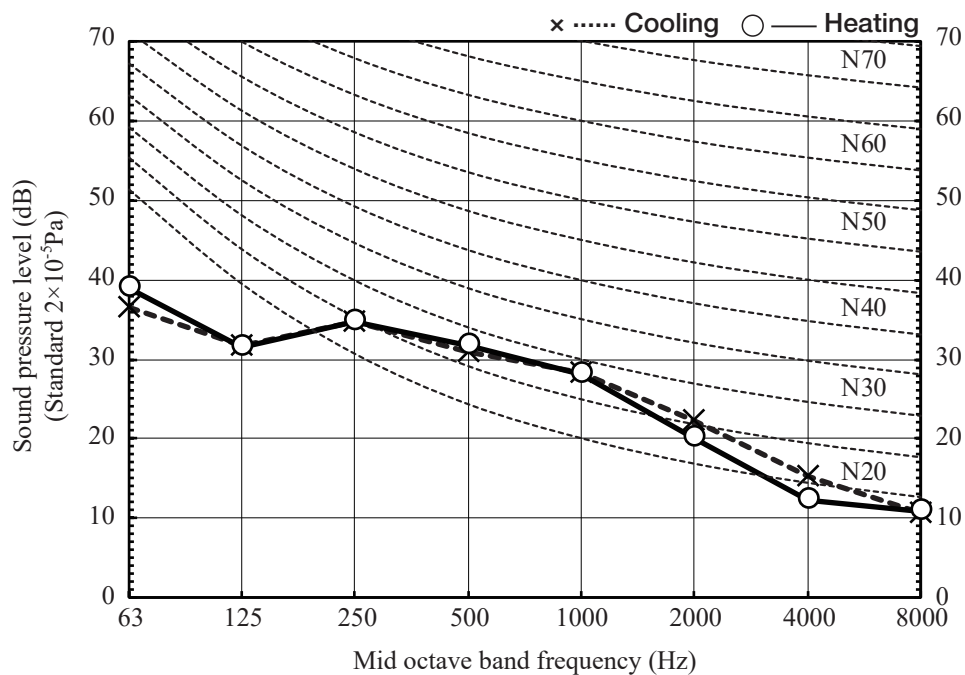
(b) Each fan speed mode

(Indoor unit)

Model	SRK25ZSP-W1	
Noise level	Cooling	33 dB(A)
	Heating	33 dB(A)

Condition	ISO5151 T1/H1
MODE	Me

●Mike position

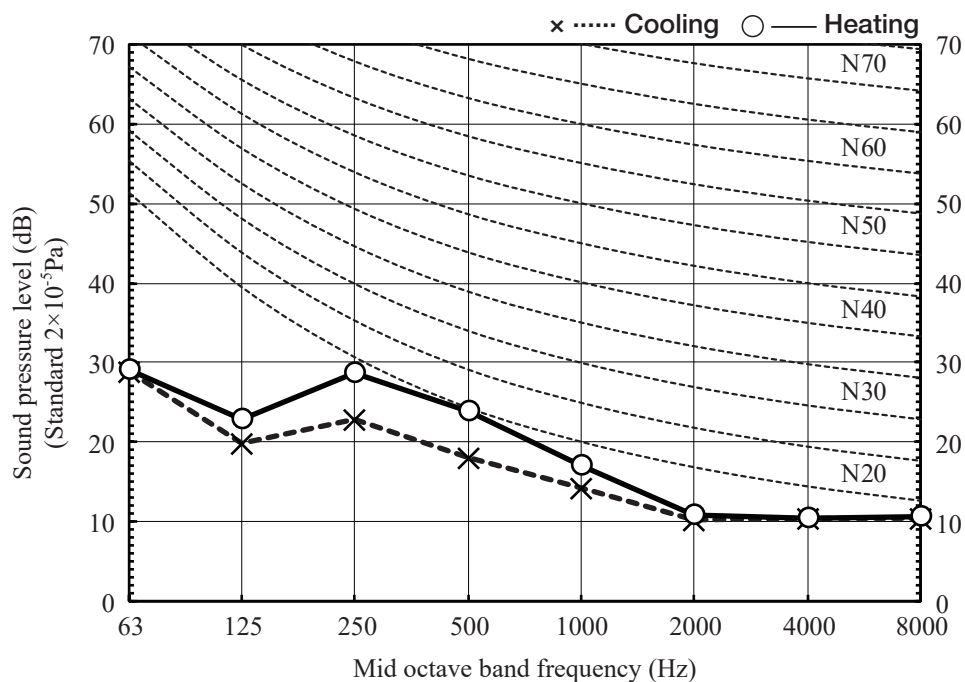


(Indoor unit)

Model	SRK25ZSP-W1	
Noise level	Cooling	21 dB(A)
	Heating	25 dB(A)

MODE	Lo
------	----

●Mike position

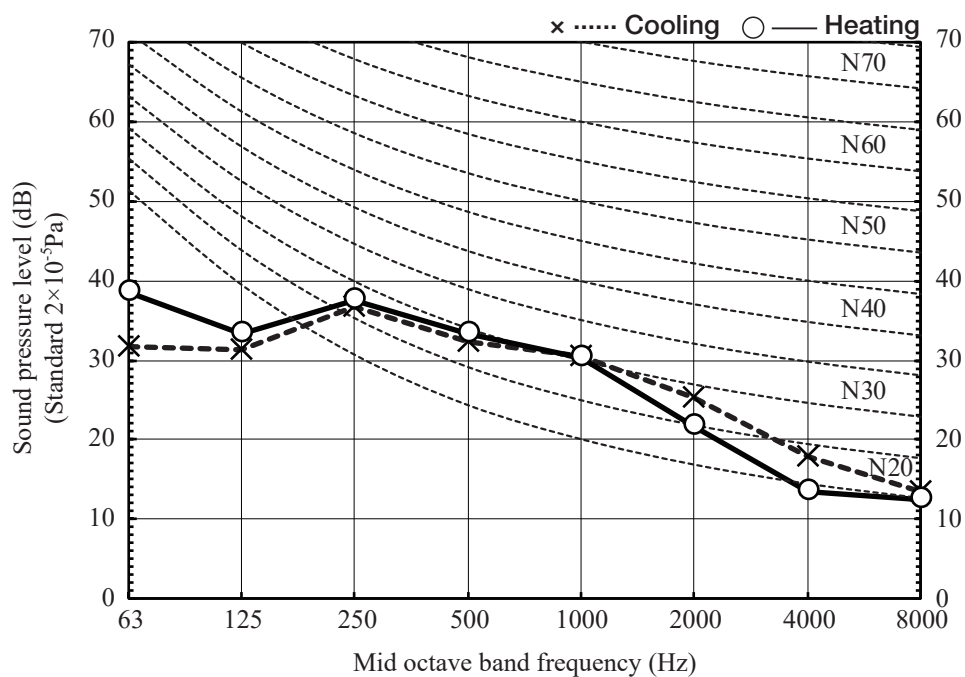


(Indoor unit)

Model	SRK35ZSP-W1	
Noise level	Cooling	35 dB(A)
	Heating	35 dB(A)

Condition	ISO5151 T1/H1
MODE	Me

●Mike position

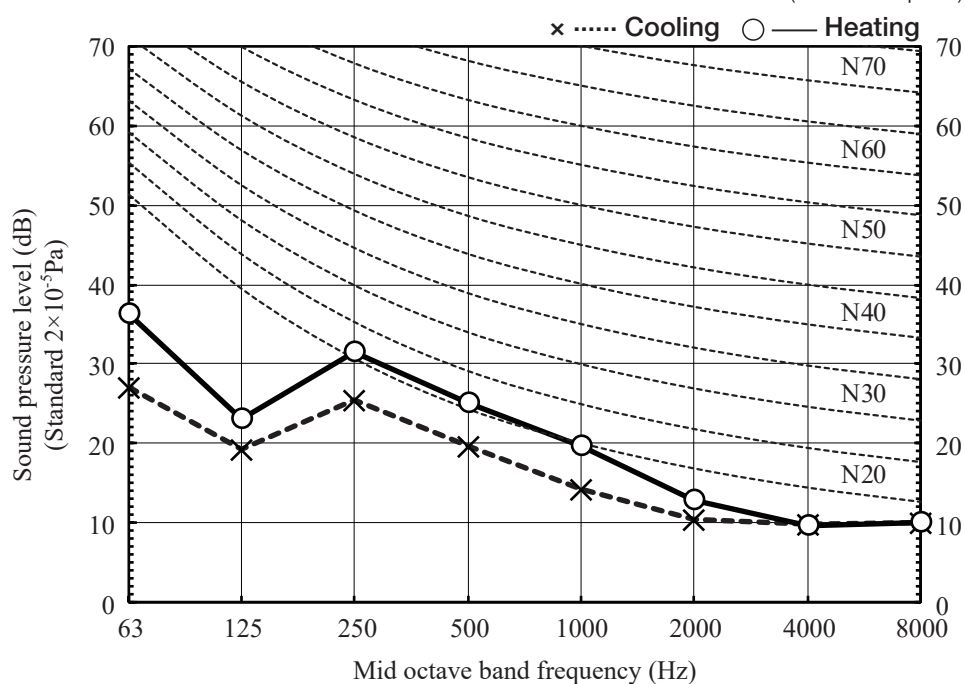


(Indoor unit)

Model	SRK35ZSP-W1	
Noise level	Cooling	22 dB(A)
	Heating	27 dB(A)

MODE	Lo
------	----

●Mike position

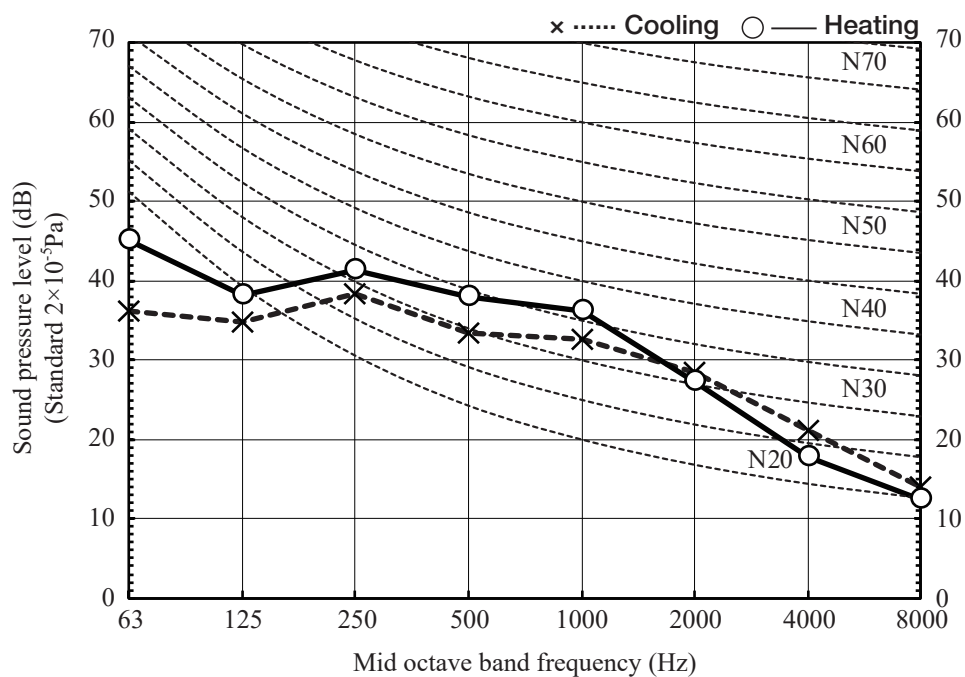


(Indoor unit)

Model	SRK45ZSP-W1	
Noise level	Cooling	37 dB(A)
	Heating	40 dB(A)

Condition	ISO5151 T1/H1
MODE	Me

●Mike position

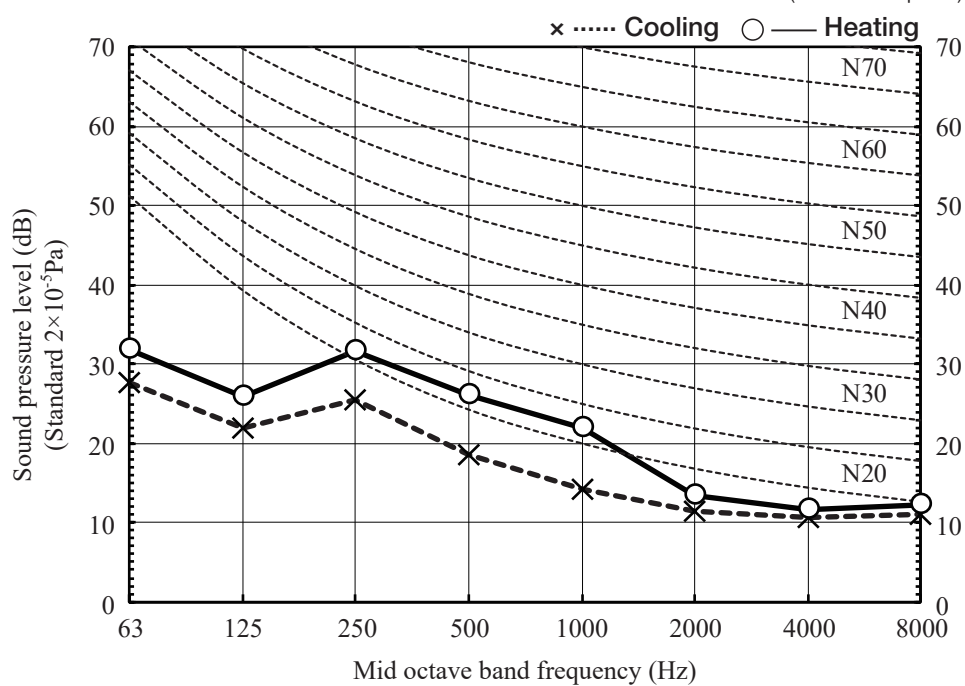


(Indoor unit)

Model	SRK45ZSP-W1	
Noise level	Cooling	22 dB(A)
	Heating	28 dB(A)

MODE	Lo
------	----

●Mike position

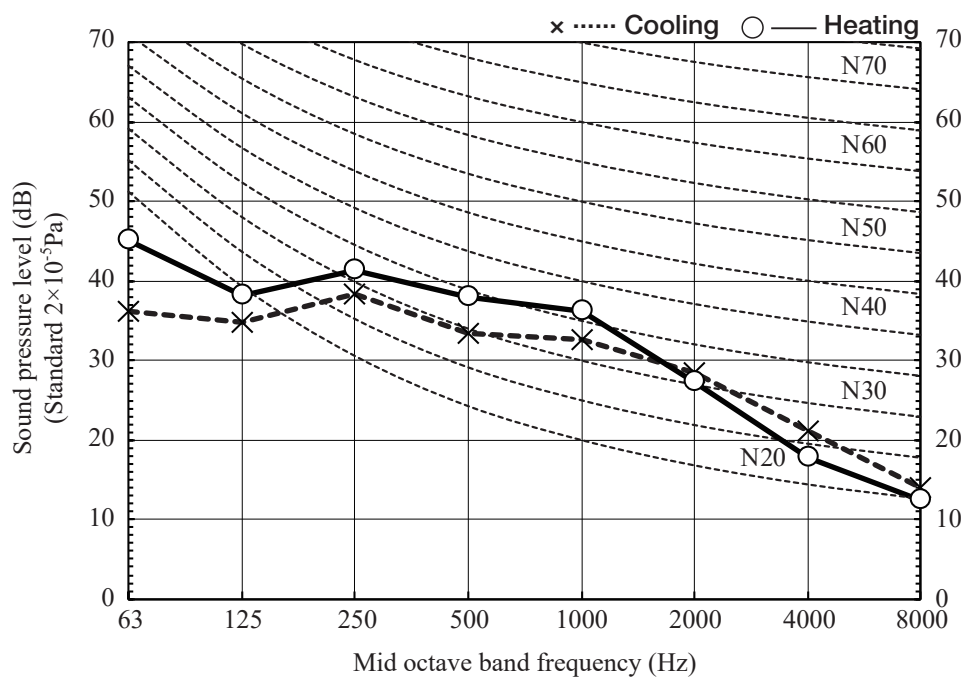


(Indoor unit)

Model	SRK50ZSP-W1	
Noise level	Cooling	37 dB(A)
	Heating	40 dB(A)

Condition	ISO5151 T1/H1
MODE	Me

●Mike position

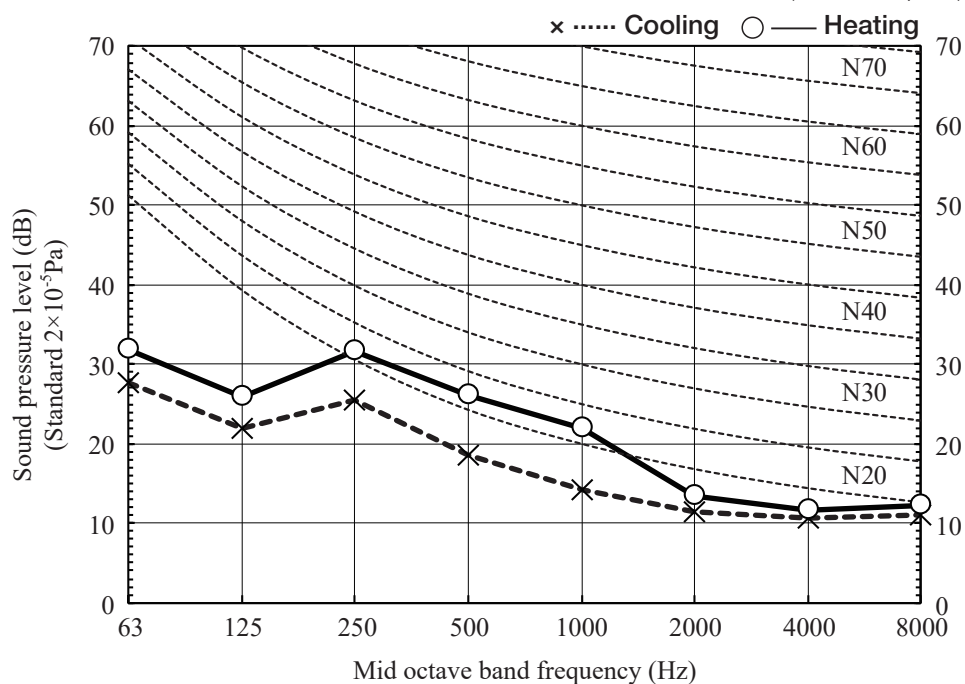


(Indoor unit)

Model	SRK50ZSP-W1	
Noise level	Cooling	22 dB(A)
	Heating	28 dB(A)

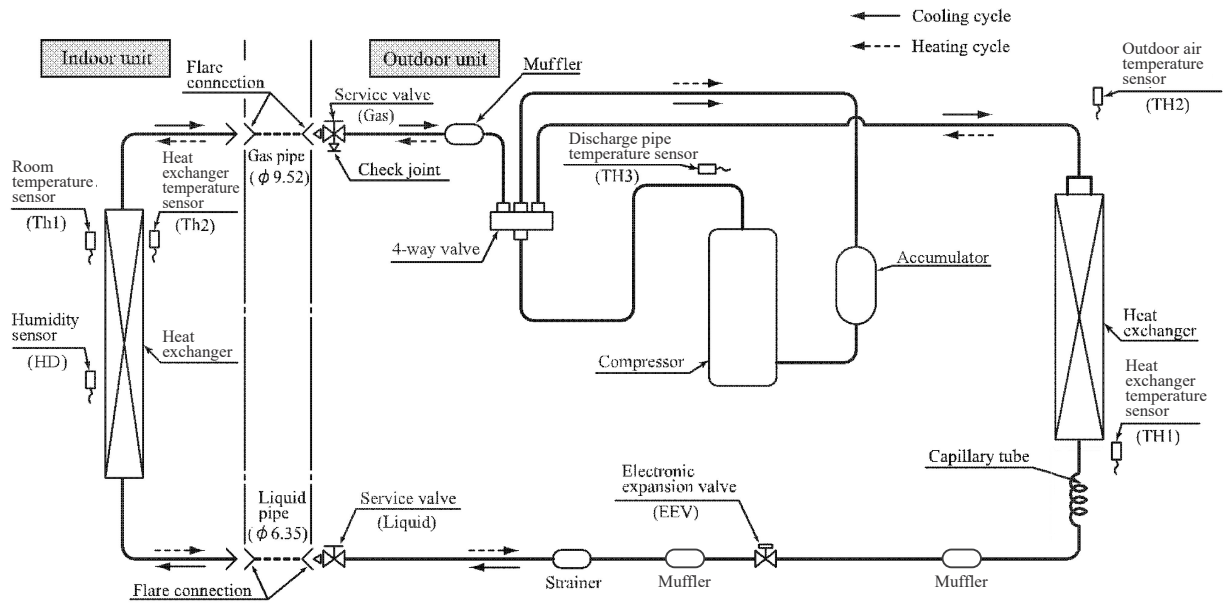
MODE	Lo
------	----

●Mike position

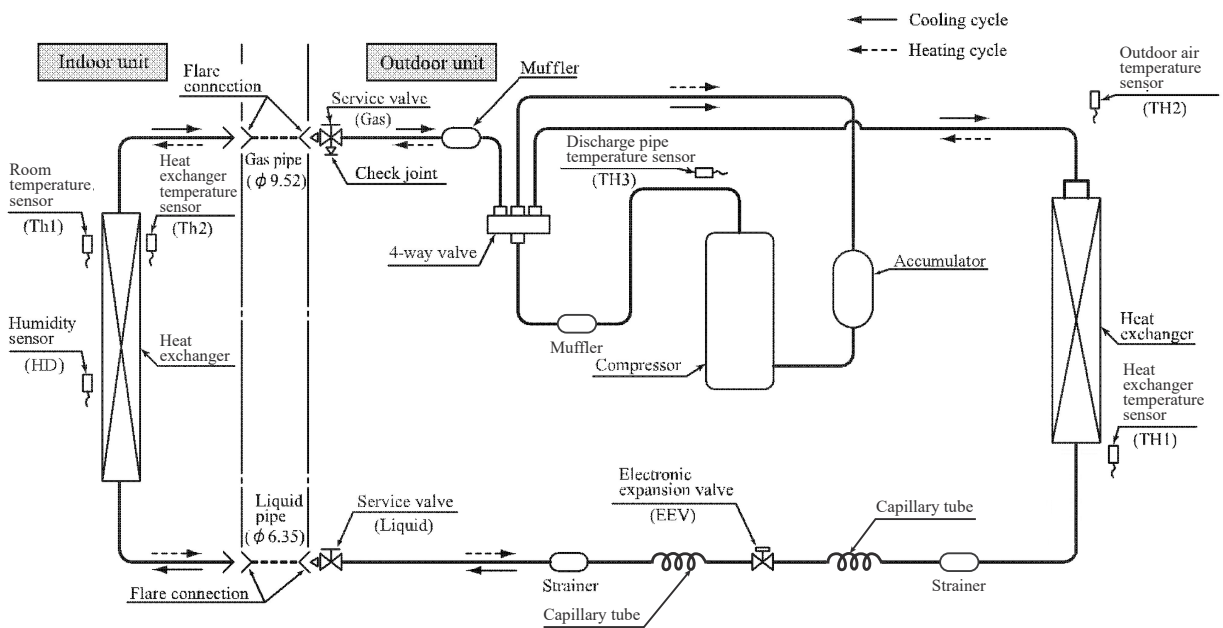


5. PIPING SYSTEM

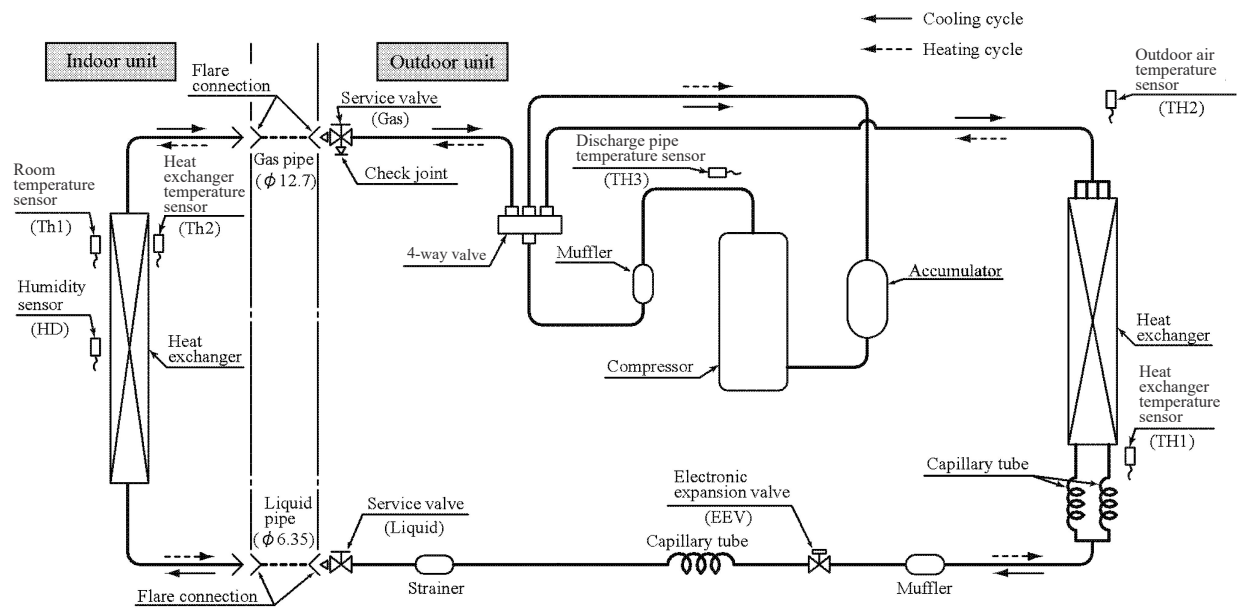
Model SRK25ZSP-W1



Model SRK35ZSP-W1



Model SRK45ZSP-W1, 50ZSP-W1



6. RANGE OF USAGE & LIMITATIONS

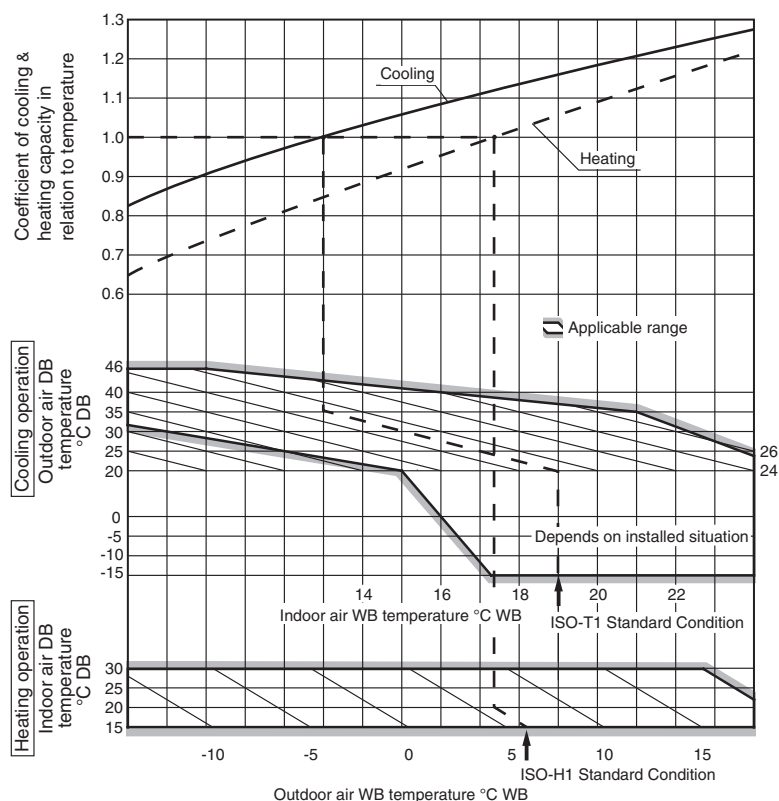
Item	Model	SRK25ZSP-W1, 35ZSP-W1	SRK45ZSP-W1, 50ZSP-W1
Indoor return air temperature (Upper, lower limits)		Cooling operation : Approximately 18 to 32°C DB Heating operation : Approximately 10 to 30°C DB (Refer to the selection chart)	
Outdoor air temperature (Upper, lower limits)		Cooling operation : Approximately -15 to 46°C DB Heating operation : Approximately -15 to 24°C DB (Refer to the selection chart)	
Refrigerant line (one way) length		Max. 15m	Max. 25m
Vertical height difference between outdoor unit and indoor unit		Max. 15m (Outdoor unit is higher) Max. 15m (Outdoor unit is lower)	Max. 15m (Outdoor unit is higher) Max. 15m (Outdoor unit is lower)
Power source voltage		Rating $\pm 10\%$	
Voltage at starting		Min. 85% of rating	
Frequency of ON-OFF cycle		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 × 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 SRK35ZSP-W1 with the piping length of 15m, indoor wet-bulb temperature at 19.0°C and outdoor dry-bulb temperature 35°C is

$$\text{Net cooling capacity} = \underset{\substack{\uparrow \\ \text{SRK35ZSP-W1}}}{3.2} \times \underset{\substack{\uparrow \\ \text{Length 15m}}}{0.975} \times \underset{\substack{\uparrow \\ \text{Factor by air temperatures}}}{1.0} \doteq 3.1\text{kW}$$

7. CAPACITY TABLES

Model SRK25ZSP-W1/SRC25ZSP-W1

Model SRK25ZSP-W1/SRC25ZSP-W1													Cooling mode						(kW)						Heating mode (HC)						(kW)					
Air flow	Outdoor air temperature °CDB	Indoor air temperature												Air flow	Outdoor air temperature °CWB	Indoor air temperature																				
		14°CWB		16°CWB		18°CWB		19°CWB		20°CWB		22°CWB				24°CWB		16°CDB	18°CDB	20°CDB	22°CDB	24°CDB														
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC			TC	SHC																			
Hi 10.0 (m³/min)	10	2.82	2.46	2.95	2.42	3.06	2.54	3.11	2.51	3.16	2.48	3.26	2.58	3.34	2.52	-15	1.72	1.69	1.65	1.61	1.58															
	12	2.77	2.43	2.90	2.40	3.01	2.52	3.07	2.49	3.12	2.47	3.22	2.57	3.31	2.51	-10	1.95	1.91	1.89	1.84	1.80															
	14	2.71	2.41	2.85	2.38	2.97	2.50	3.03	2.48	3.08	2.45	3.18	2.56	3.28	2.50	-5	2.11	2.08	2.04	2.02	1.98															
	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	0	2.21	2.18	2.14	2.12	2.09															
	18	2.60	2.36	2.74	2.33	2.88	2.46	2.94	2.44	2.99	2.41	3.11	2.53	3.20	2.48	5	2.82	2.79	2.77	2.72	2.68															
	20	2.55	2.33	2.68	2.30	2.83	2.43	2.89	2.41	2.95	2.39	3.07	2.52	3.17	2.47	6	2.87	2.83	2.80	2.76	2.73															
	22	2.49	2.30	2.63	2.28	2.78	2.42	2.84	2.40	2.90	2.37	3.02	2.51	3.13	2.45	10	3.04	3.02	3.00	2.96	2.93															
	24	2.43	2.28	2.57	2.25	2.72	2.40	2.80	2.38	2.85	2.36	2.98	2.49	3.08	2.44	15	3.31	3.28	3.26	3.23	3.20															
	26	2.37	2.25	2.51	2.23	2.67	2.38	2.74	2.36	2.80	2.34	2.93	2.47	3.04	2.43	20	3.56	3.53	3.52	3.48	3.45															
	28	2.31	2.19	2.44	2.20	2.61	2.35	2.69	2.34	2.75	2.32	2.89	2.46	3.00	2.41																					
	30	2.24	2.13	2.38	2.17	2.56	2.33	2.64	2.32	2.70	2.30	2.84	2.45	2.95	2.40																					
	32	2.18	2.07	2.31	2.14	2.50	2.31	2.58	2.30	2.64	2.29	2.79	2.43	2.90	2.38																					
	34	2.11	2.00	2.25	2.11	2.44	2.29	2.53	2.28	2.59	2.27	2.74	2.41	2.85	2.37																					
	35	2.08	1.97	2.21	2.09	2.41	2.28	2.50	2.27	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	2.26	2.53	2.25	2.69	2.39	2.80	2.35																					
	38	1.97	1.87	2.11	2.00	2.32	2.20	2.41	2.24	2.47	2.23	2.63	2.38	2.75	2.34																					
	40	1.90	1.81	2.03	1.93	2.25	2.14	2.35	2.22	2.41	2.21	2.58	2.36	2.70	2.32																					
	43	1.79	1.70	1.92	1.83	2.15	2.04	2.26	2.15	2.32	2.17	2.49	2.33	2.61	2.29																					
	46	1.68	1.59	1.81	1.72	2.05	1.95	2.16	2.05	2.22	2.11	2.40	2.28	2.53	2.27																					

Model SRK35ZSP-W1/SRC35ZSP-W1

Model SRK35ZSP-W1/SRC35ZSP-W1														Cooling mode (kW)										Heating mode (HC) (kW)									
Air flow	Outdoor air temperature °CDB	Indoor air temperature												Air flow (m³/min)	Outdoor air temperature °CWB	Indoor air temperature																	
		14°CWB		16°CWB		18°CWB		19°CWB		20°CWB		22°CWB				24°CWB		16°CDB	18°CDB	20°CDB	22°CDB	24°CDB											
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC			TC	SHC																
Hi 10.4 (m³/min)	10	3.61	2.78	3.77	2.73	3.91	2.83	3.98	2.79	4.05	2.76	4.17	2.83	4.28	2.75	-15	2.21	2.17	2.12	2.07	2.03												
	12	3.54	2.75	3.71	2.70	3.86	2.81	3.93	2.77	4.00	2.73	4.12	2.81	4.24	2.73	-10	2.51	2.46	2.43	2.37	2.32												
	14	3.47	2.72	3.65	2.68	3.80	2.78	3.87	2.74	3.94	2.71	4.08	2.79	4.19	2.72	-5	2.71	2.68	2.62	2.59	2.55												
	16	3.40	2.68	3.58	2.64	3.74	2.75	3.82	2.72	3.89	2.69	4.03	2.77	4.15	2.70	0	2.85	2.80	2.76	2.72	2.68												
	18	3.33	2.64	3.51	2.61	3.68	2.73	3.76	2.70	3.83	2.66	3.98	2.76	4.10	2.68	5	3.63	3.58	3.56	3.49	3.44												
	20	3.26	2.61	3.44	2.57	3.62	2.70	3.70	2.67	3.78	2.64	3.92	2.74	4.05	2.67	6	3.68	3.64	3.60	3.55	3.51												
	22	3.19	2.57	3.36	2.54	3.55	2.67	3.64	2.65	3.71	2.62	3.87	2.72	4.00	2.63	10	3.91	3.88	3.85	3.80	3.76												
	24	3.11	2.53	3.29	2.50	3.49	2.64	3.58	2.62	3.65	2.59	3.81	2.70	3.95	2.62	15	4.26	4.22	4.19	4.15	4.11												
	26	3.03	2.49	3.21	2.47	3.42	2.61	3.51	2.59	3.59	2.57	3.76	2.66	3.89	2.60	20	4.58	4.54	4.52	4.47	4.43												
	28	2.95	2.45	3.13	2.43	3.35	2.57	3.45	2.56	3.52	2.53	3.70	2.65	3.84	2.59																		
	30	2.87	2.41	3.05	2.39	3.27	2.54	3.38	2.53	3.45	2.51	3.64	2.63	3.78	2.57																		
	32	2.79	2.37	2.96	2.35	3.20	2.51	3.31	2.51	3.38	2.48	3.57	2.61	3.72	2.55																		
	34	2.70	2.33	2.88	2.32	3.12	2.48	3.24	2.48	3.31	2.46	3.51	2.58	3.65	2.53																		
	35	2.66	2.31	2.83	2.29	3.08	2.47	3.20	2.46	3.28	2.44	3.47	2.57	3.62	2.52																		
	36	2.61	2.29	2.79	2.28	3.04	2.45	3.16	2.45	3.24	2.43	3.44	2.56	3.59	2.51																		
	38	2.52	2.25	2.70	2.24	2.96	2.41	3.09	2.42	3.16	2.40	3.37	2.53	3.52	2.48																		
	40	2.43	2.20	2.60	2.19	2.88	2.38	3.01	2.39	3.08	2.37	3.30	2.51	3.45	2.46																		
	43	2.29	2.14	2.46	2.13	2.75	2.33	2.89	2.34	2.96	2.32	3.19	2.47	3.35	2.42																		
	46	2.15	2.04	2.31	2.07	2.62	2.28	2.77	2.29	2.84	2.28	3.08	2.43	3.23	2.39																		

Model SRK45ZSP-W1/SRC45ZSP-W1

Model SRK45ZSP-W1/SRC45ZSP-W1														Cooling mode						Heating mode (HC)													
																(kW)																(kW)	
Air flow	Outdoor air temperature °CDB	Indoor air temperature														Air flow (m³/min)	Outdoor air temperature °CWB	Indoor air temperature															
		14°CWB		16°CWB		18°CWB		19°CWB		20°CWB		22°CWB		24°CWB				16°CDB	18°CDB	20°CDB	22°CDB	24°CDB											
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC																		
Hi 9.7 (m³/min)	10	5.07	3.61	5.31	3.55	5.50	3.62	5.59	3.56	5.69	3.51	5.86	3.54	6.02	3.41	-15	3.08	3.01	2.94	2.88	2.81												
	12	4.98	3.56	5.22	3.50	5.42	3.58	5.52	3.52	5.62	3.47	5.80	3.52	5.96	3.39	-10	3.48	3.42	3.37	3.29	3.22												
	14	4.88	3.50	5.13	3.45	5.34	3.54	5.45	3.49	5.55	3.44	5.73	3.49	5.90	3.36	-5	3.77	3.72	3.64	3.60	3.54												
	16	4.79	3.45	5.03	3.40	5.26	3.50	5.37	3.45	5.47	3.40	5.66	3.46	5.83	3.34	0	3.95	3.89	3.83	3.78	3.73												
	18	4.69	3.39	4.93	3.35	5.18	3.45	5.29	3.41	5.39	3.37	5.59	3.42	5.77	3.32	5	5.04	4.98	4.95	4.85	4.78												
	20	4.59	3.33	4.83	3.29	5.09	3.40	5.20	3.37	5.31	3.33	5.52	3.39	5.70	3.29	6	5.12	5.06	5.00	4.94	4.88												
	22	4.48	3.27	4.73	3.23	5.00	3.36	5.12	3.33	5.22	3.29	5.44	3.36	5.63	3.26	10	5.44	5.38	5.35	5.28	5.23												
	24	4.37	3.21	4.62	3.18	4.90	3.31	5.03	3.29	5.14	3.24	5.36	3.33	5.55	3.23	15	5.92	5.87	5.82	5.76	5.71												
	26	4.26	3.15	4.51	3.12	4.80	3.26	4.94	3.24	5.05	3.20	5.28	3.30	5.48	3.20	20	6.36	6.31	6.28	6.21	6.16												
	28	4.15	3.09	4.40	3.06	4.70	3.22	4.85	3.20	4.95	3.16	5.20	3.26	5.40	3.17																		
	30	4.04	3.03	4.28	3.00	4.60	3.17	4.75	3.15	4.86	3.12	5.11	3.22	5.31	3.14																		
	32	3.92	2.96	4.16	2.94	4.50	3.12	4.65	3.11	4.76	3.08	5.02	3.19	5.23	3.09																		
	34	3.80	2.90	4.04	2.88	4.39	3.06	4.55	3.06	4.66	3.03	4.93	3.14	5.14	3.07																		
35	3.74	2.87	3.98	2.85	4.34	3.04	4.50	3.04	4.61	3.01	4.88	3.12	5.09	3.05																			
36	3.67	2.83	3.92	2.82	4.28	3.01	4.45	3.02	4.55	2.99	4.84	3.11	5.05	3.04																			
38	3.55	2.76	3.79	2.76	4.17	2.95	4.34	2.96	4.45	2.94	4.74	3.07	4.95	3.00																			
40	3.42	2.70	3.66	2.69	4.05	2.91	4.23	2.91	4.34	2.89	4.64	3.03	4.85	2.97																			
43	3.22	2.60	3.46	2.60	3.87	2.83	4.06	2.84	4.17	2.82	4.49	2.97	4.70	2.91																			
46	3.02	2.50	3.25	2.50	3.69	2.74	3.89	2.77	3.99	2.75	4.33	2.91	4.55	2.85																			

8. APPLICATION DATA

Models SRK25ZSP-W1, 35ZSP-W1, 45ZSP-W1, 50ZSP-W1

RLC012A118

Model DXK09, 12, 15, 18Z6-W1 / SRK25, 35, 45, 50ZSP-W1
R32 REFRIGERANT USED

SAFETY PRECAUTIONS

- Before installation, read the "SAFETY PRECAUTIONS" carefully and strictly follow them during the installation work in order to protect yourself.
- The precautionary items mentioned below are distinguished into two levels, **⚠ WARNING** and **⚠ CAUTION**.
 - ⚠ WARNING** Indicates a potentially hazardous situation which, if not avoided, can result in serious consequences such as death or severe injury.
 - ⚠ CAUTION** Indicates a potentially hazardous situation which, if not avoided, can result in personal injury or property damage.
- Both mention the important items to protect your health and safety. Therefore, strictly follow them by any means.
- Be sure to confirm no operation problem on the equipment after completing the installation. If unusual noise can be heard during the test run, consult the dealer.
- Be sure to explain the operating methods as well as the maintenance methods of this equipment to the user according to the user's manual.
- Be sure to keep the installation manual together with user's manual at a place where it is easily accessible to the user any time. Moreover, ask the user to hand the manuals to a new user, whenever required.

⚠ 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 personal injury.
- When installing the unit in small rooms, make sure that refrigerant density does not exceed the limit (Reference: ISO5149) in the event of leakage.**
If refrigerant density exceeds the limit, consult the dealer and install the ventilation system.
Otherwise lack of oxygen can occur resulting in serious accident.
- Install the unit in a location where unit will remain stable, horizontal and free of any vibration transmission.**
Unsuitable installation location can cause the unit to fall resulting in material damage and personal injury.
- Do not run the unit with removed panels or protections.**
Touching rotating equipments, hot surfaces or high voltage parts can cause personal injury due to 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 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.**
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. 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 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, maintenance or service.**
If the power source is not switched off, there is a risk of electric shock, unit failure or personal injury.
- Be sure to tighten the cables securely in terminal block and relieve the cables properly to prevent overloading the terminal blocks.**
Loose connections or cable mountings can cause anomalous heat production or fire.
- Do not process, splice or modify the power cable, or share the socket with other power plugs.**
Improper power cable or power plug can cause fire or electric shock due to poor connection, insufficient insulation or over-current.
- Do not perform any change in protective device or its setup condition yourself.**
Changing protective device specifications can cause electric shock, fire or burst.
- Be sure to clamp the cables properly so that they do not touch any internal component of the unit.**
If cables touch any internal component, it can cause overheating and fire.
- Be sure to install service cover properly.**
Improper installation can cause electric shock or fire due to intrusion of dust or water.
- Be sure to use the prescribed power and connecting cables for electrical work.**
Using improper cables can cause electric leak or fire.
- This appliance must be connected to main power source by means of a circuit breaker or switch with a contact separation of at least 3mm.**
Improper electrical work can cause unit failure or personal injury.
- Be sure to connect the power source cable with power source properly.**
Improper connection can cause intrusion of dust or water resulting in electric shock or fire.

⚠ CAUTION

- Take care when carrying the unit by hand.**
If the unit weight is more than 20Kg, it must be carried by two or more persons.
Do not carry the unit by the plastic straps. Always use the carry handle.
- Do not install the outdoor unit in a location where insects and small animals can inhabit.**
Insects and small animals can enter the electrical parts and cause damage resulting in fire or personal injury. Instruct the user to keep the surroundings clean.
- If the outdoor unit is installed at height, make sure that there is enough space for installation, maintenance and service.**
Insufficient space can result in personal injury due to falling from the height.
- Do not install the unit near the location where neighbours are bothered by noise or air generating from the unit.**
It can affect surrounding environment and cause a claim.
- Do not install in the locations where unit is directly exposed to corrosive gases (like sulphide gas, chloride gas), sea breeze or salty atmosphere.**
It can cause corrosion of heat exchanger and damage to plastic parts.
- Do not install the unit close to the equipments that generate electromagnetic waves and/or high-harmonic waves.**
Equipment such as inverters, standby generators, medical high frequency equipments and telecommunication equipments can affect the system, and cause malfunctions and breakdowns.
The system can also affect medical equipment and telecommunication equipment, and obstruct its function or cause jamming.
- Do not install the unit in the locations where:**
 - There are heat sources nearby.
 - Unit is directly exposed to rain or sunlight.
 - There is any obstacle which can prevent smooth air circulation from inlet and outlet side of the unit.
 - Unit is directly exposed to oil mist and steam such as kitchen.
 - Chemical substances like ammonia (organic fertilizer), calcium chloride (snow melting agent) and acid (sulfurous acid etc.), which can harm the unit, will generate or accumulate.
 - Drain water can not be discharged properly.
 - TV set or radio receiver is placed within 1m.
 - Height above sea level is more than 1000m.
- Dispose of all packing materials properly.**
Packing materials contain nails and wood which can cause personal injury.
Keep the polybag away from children to avoid the risk of suffocation.
- Do not put anything on the outdoor unit.**
Object may fall causing property damage or personal injury.
- Do not touch the aluminum fin of the outdoor unit.**
Aluminum 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.

ACCESSORIES AND TOOLS

Standard accessories (supplied with indoor unit)							
(1)	Installation board		1 pc.	(5)	Wood screws (for remote control holder $\phi 3.5 \times 16$ mm)		2 pcs.
(2)	Remote control		1 pc.	(6)	Batteries [R03 (AAA, Micro) 1.5 V]		2 pcs.
(3)	Remote control holder		1 pc.	(7)	Insulation (#486 50 X 100 t3)		1 pc.
(4)	Tapping screws (for installation board $\phi 4 \times 25$ mm)		5 pcs.				
Standard accessories (supplied with outdoor unit)							
(1)	Drain grommet		1 pc.	(2)	Drain elbow		1 pc.

Locally procured parts	
(a) Sleeve (1 pc.)	
(b) Sealing plate (1 pc.)	
(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) Anchor bolt (M10-M12) $\times 4$ pcs.	
(j) Electrical tape	
(k) Connecting pipe	
(l) Power cable	

Tools for installation work	
Phillips head driver	Hole core drill (65mm in diameter)
Knife	Wrench key (Hexagon) [4mm]
Saw	Flaring tool set*
Tape measure	Gas leak detector*
Torque wrench (14.0-62.0N·m (1.4-6.2kgf·m))	Pipe bender
Plier	Gauge for projection adjustment (Used when flare is made by using conventional flare tool)
Pipe cutter	
Spanner wrench	
Flare adjustment gauge	Charge hose *
Vacuum pump*	Vacuum pump adapter* (Anti-reverse flow type)
Gauge manifold *	

* Designed specifically for R32 or R410A

SELECTING OF 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 1m 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 180cm.

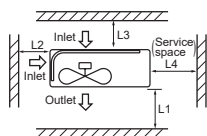
2. Remote control

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

3. Outdoor unit

Select the suitable installation location where:

- Unit will be stable, horizontal and free of any vibration transmission.
- There is no obstacle which can prevent smooth air circulation from inlet and outlet side of the unit.
- There is enough space for service and maintenance of unit.
- Neighbours are not bothered by noise or air generating from the unit.
- Outlet air of the unit does not blow directly to animals or plants.
- Drain water can be discharged properly.
- There is no risk of flammable gas leakage.
- There are no other heat sources nearby.
- Unit is not directly exposed to rain or sunlight.
- Unit is not directly exposed to oil mist and steam.
- Chemical substances like ammonia (organic fertilizer), calcium chloride (snow melting agent) and acid (sulfurous acid etc.), which can harm the unit, will not generate or accumulate.
- Unit is not directly exposed to corrosive gases (like sulphide gas, chloride gas), sea breeze or salty atmosphere.
- No TV set or radio receiver is placed within 1m.
- Unit is not affected by electromagnetic waves and/or high-harmonic waves generated by other equipments.
- Strong wind does not blow against the unit outlet.
- Heavy snowfalls do not occur (If installed, provide proper protection to avoid snow accumulation).
- There must be 1 meter or larger space between the unit and the wall in at least 1 of the 4 sides. Walls surrounding the unit from 4 sides is not acceptable. The wall height on the outlet side should be 1200mm or less. Refer to the following figure and table for details.



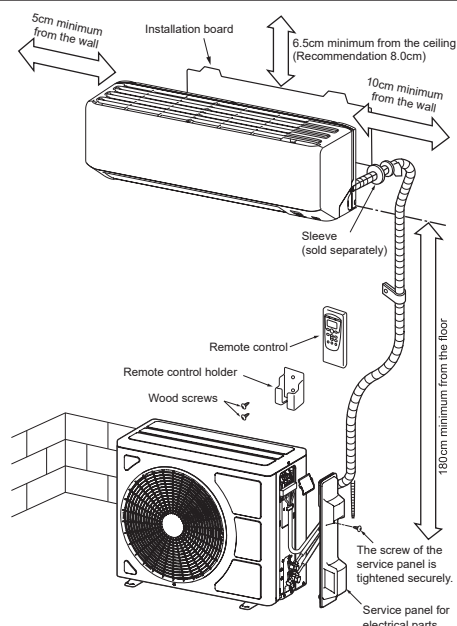
	Installation space (mm)
L1	280 or more
L2	100 or more
L3	80 or more
L4	250 or more

NOTE

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

CAUTION

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



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)

Limitation of the piping length

Model	DXK09, SRK25	DXK12, SRK35	DXK15/18, SRK45/50
Total one way length	3-15m	3-15m	3-25m
Vertical height difference	MAX. 15m	MAX. 15m	MAX. 15m
Additional refrigerant	Less than 10m : Not required More than 10m : 20g/m	Not required	Less than 15m : Not required More than 15m : 20g/m
The factory refrigerant charged amount	0.48kg	0.65kg	0.95kg

- The recommended piping length is minimum 3m, in order to avoid noise from the outdoor unit and vibration.

Charging refrigerant

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

CAUTION

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

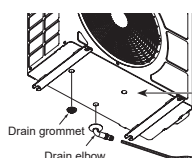
DRAIN PIPING WORK (if necessary)

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.

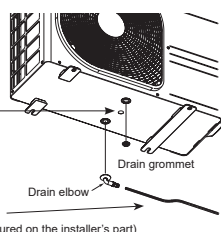
- (1) Install drain elbow and drain grommet.
- (2) Seal around the drain elbow and drain grommet with putty or adequate caulking material.

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.

<DXK09/12, SRK25/35>



<DXK15/18, SRK45/50>



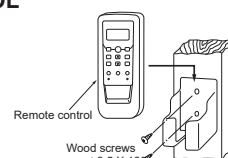
CAUTION

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.)

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 the poles with the indication marks + & -)
- (3) Set the cover again.



Installing remote control holder

- (1) Select the place where the unit can receive signals.
- (2) Fix the holder to pillar or wall with wood screws.

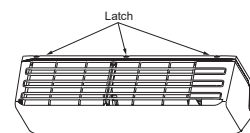
HOW TO REMOVE AND INSTALL FRONT PANEL

1. Removing

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

2. Installing

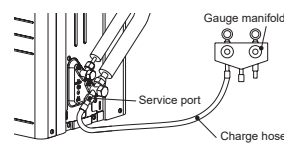
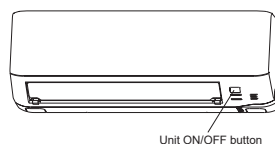
- (1) Cover the unit with the front panel and fix 3 upper latches.
- (2) Secure the front panel with the 2 screws.
- (3) Install the air inlet panel and the air filters.



PUMP DOWN WORK

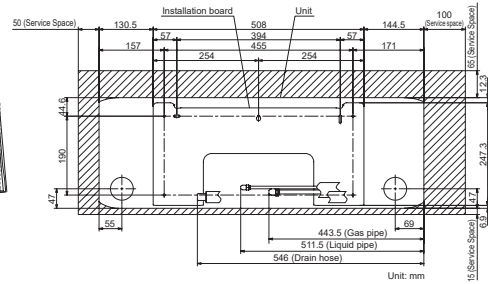
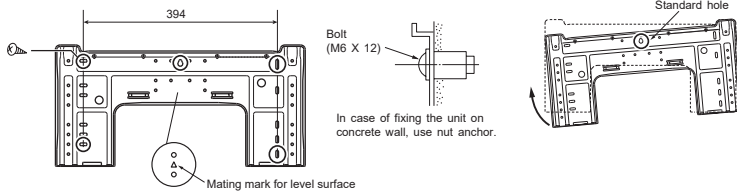
For the environmental protection, be sure to pump down when relocating or disposing of the unit. Pump down is the method of recovering refrigerant from the indoor unit to the outdoor unit before the connecting pipes are removed from the unit. When pump down is carried out, forced cooling operation is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

- (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) Turn off the power source and turn it on again after 1 minute.
- (5) Press the ON/OFF button of indoor unit continuously for at least 5 seconds.
- (6) When the low pressure gauge becomes 0.01 MPa, close the gas service valve.
- (7) Press the ON/OFF button of indoor unit to stop forced cooling operation.



1. 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.

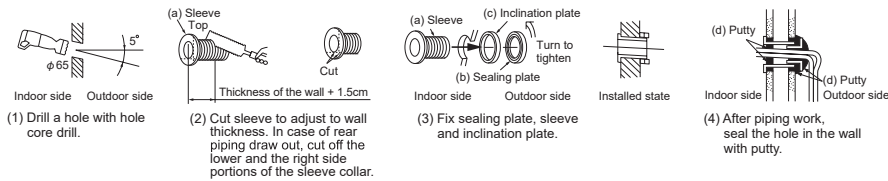


CAUTION

Improper adjustment of the installation board can cause water leakage.

2. 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).



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

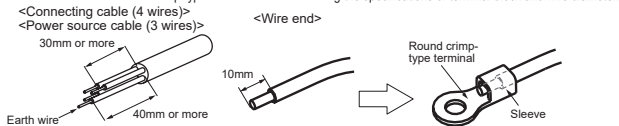
Completely seal the hole in the wall with putty. If not sealed properly, furniture and other fixtures may be damaged by water leakage or condensation.

3. ELECTRICAL WIRING WORK

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

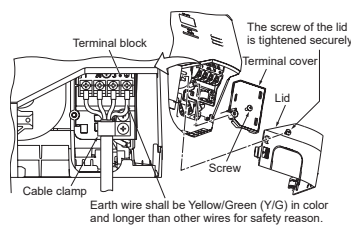
1. Preparing cable

- Selecting cable
 - 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.
 - Connecting cable
 - 4 cores 1.5mm², conformed with 60245 IEC57
 - * 1 Earth wire is included (Yellow/Green).
- Arrange each wire length as shown below. Make sure that each wire is stripped 10mm from the end.
- 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 (Indoor)

- Remove the lid.
- Remove the terminal cover.
- Remove the cable clamp.
- Connect the connecting wire to the terminal block.
- Fix the connecting cable by cable clamp.
- Fix the terminal cover.
- Fix the lid.



NOTE

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

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.

WARNING

- Incorrect wiring connection can cause malfunction or fire.
- 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 (Refer to the table given below).
- Do not turn on the power until the electrical work is completed.
- Do not use a condensative capacitor for power factor improvement under any circumstances. (It does not improve power factor. Moreover, it can cause an abnormal overheat accident).

Breaker specifications

Model	Phase	Earth leakage breaker	Circuit breaker
DXK09/12, SRK25/35	Single phase	Leakage current: 30mA, 0.1sec or less	Over current: 16A
DXK15/18, SRK45/50			Over current: 20A

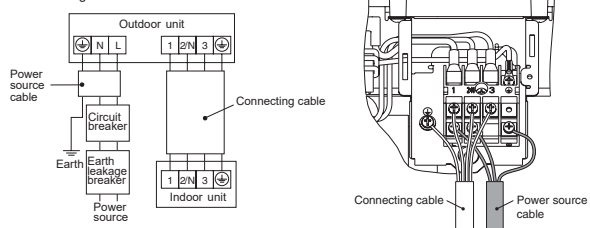
Main fuse specification

Model	Specification	Parts No.	Code on LABEL WIRING
DXK09/12, SRK25/35	250V 15A	SSA564A136	F7
DXK15/18, SRK45/50	250V 20A	SSA564A136A	F4

3. Connecting cable (Outdoor)

- Remove the service cover.
- Connect the cables according to the instructions and figures given below.
 - 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.
 - Connect the remaining two wires (N and L) of power source cable.
 - Connect the wires of connecting cable. Make sure that for each wire, outdoor and indoor side terminal numbers match.
- Fasten the cables properly with cable clamps so that no external force may work on terminal connections. 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>



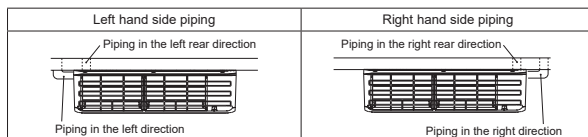
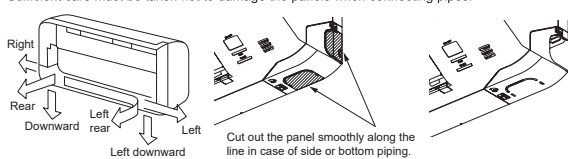
4. FORMING PIPING AND DRAIN HOSE

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.



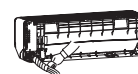
Forming of pipings.

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



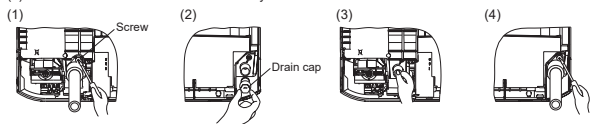
Taping of the exterior

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



2. Drain change procedures

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

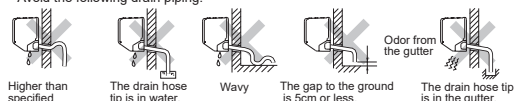


CAUTION

Incorrect installation of drain hose and cap can cause water leakage.

5. DRAINAGE WORK

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

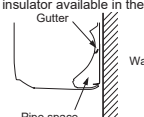


- Pour water to the drain pan located under the heat exchanger, and ensure that the water is discharged outdoor.
- When extended drain hose is present inside the room, insulate it securely with heat insulator available in the market.

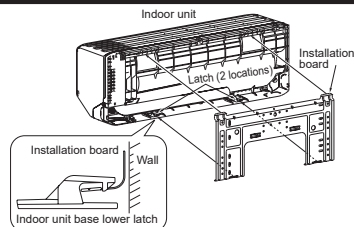
Since this air-conditioner is designed to collect dew drops on the rear surface to the drain pan, do not install the connecting wire above the gutter.

CAUTION

Incorrect drainage work can cause water leakage.



6. INSTALLING INDOOR UNIT



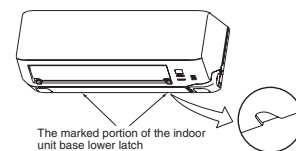
Installation steps

- (1) Pass the pipe through the hole in the wall, and hook the upper part of the indoor unit to the installation board.
- (2) Gently push the lower part to secure the unit.



How to remove the indoor unit from the installation board

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



7. CONNECTING PIPING WORK

1. Preparation of connecting pipe

1.1. Selecting connecting pipe

Select connecting pipe according to the following table.

	Model DXK09/12 SRK25/35	Model DXK15/18 SRK45/50
Gas pipe	φ 9.52	φ 12.7
Liquid pipe	φ 6.35	φ 6.35

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

1.2. Cutting connecting pipe

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

2. Piping work

2.1. Flaring pipe

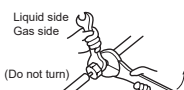
- (1) Take out flare nuts from the service valves of indoor unit and engage them onto connecting pipes.
- (2) Flare the pipes according to table and figure shown below.
Flare dimensions for R32 are different from those for conventional refrigerant. Although it is recommended to use the flaring tools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

Copper pipe outer diameter	A	Copper pipe outer diameter	B [Rigid (clutch) type]
φ 6.35	9.1	φ 6.35	R32 Conventional
φ 9.52	13.2	φ 9.52	0-0.5 1.0-1.5
φ 12.7	16.6	φ 12.7	

2.2 Connecting pipes

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

Service valve size (mm)	Tightening torque (N·m)
φ 6.35 (1/4")	14-18
φ 9.52 (3/8")	34-42
φ 12.7 (1/2")	49-61

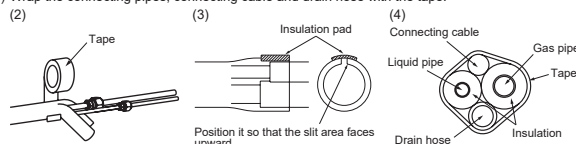


CAUTION

- 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.

3. Heating and condensation prevention

- (1) Dress the connecting pipes (both liquid and gas pipes) with insulation to prevent it from heating and dew condensation.
Use the heat insulating material which can withstand 120 °C or higher temperature. Make sure that insulation is wrapped tightly around the pipes and no gap is left between them.
- (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.



NOTE

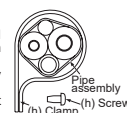
Locations where relative humidity exceeds 70%, both liquid and gas pipes need to be dressed with 20mm or thicker heat insulation materials.

CAUTION

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

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 1.5m or less to isolate the vibration.
- (3) Install the service cover securely. Water may enter the unit if service cover is not installed properly, resulting in unit malfunction and failure.



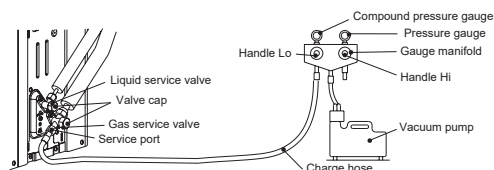
CAUTION

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.

5. Evacuation

- (1) Connect vacuum pump to gauge manifold. Connect charge hose of gauge manifold to service port of outdoor unit.
- (2) Run the vacuum pump for at least one hour after the vacuum gauge shows -0.1MPa (-76cm Hg).
- (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.
- (6) Turn the liquid service valve's rod 90 degree counterclockwise with a hexagonal wrench key to open valve. Close it after 5 seconds, and check for gas leakage. Using soapy water, check for gas leakage from indoor unit's flare and outdoor unit's flare and valve rods. Wipe off all the water after completing the check.
- (7) Disconnect charging hose from gas service valve's service port and fully open liquid and gas service valves. (Do not attempt to turn valve rod beyond its stop.)
- (8) Tighten service valve caps and service port cap to the specified torque shown in the table below.

Service valve size (mm)	Service valve cap tightening torque (N·m)	Service port cap tightening torque (N·m)
φ 6.35 (1/4")	20-30	10-12
φ 9.52 (3/8")		
φ 12.7 (1/2")	25-35	



CAUTION

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

8. 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.

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.

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.	

9. TECHNICAL INFORMATION

Model SRK25ZSP-W1

Information to identify the model(s) to which the information relates to:				If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.			
Indoor unit model name		SRK25ZSP-W1					
Outdoor unit model name		SRC25ZSP-W1					
Function(indicate if present)				Average(mandatory)		Yes	
cooling		Yes		Warmer(if designated)		Yes	
heating		Yes		Colder(if designated)		Yes	
Item	symbol	value	unit	Item	symbol	value	class
Design load				Seasonal efficiency and energy efficiency class			
cooling	Pdesignc	2.5	kW	cooling	SEER	6.90	A++
heating / Average	Pdesignh	2.7	kW	heating / Average	SCOP/A	4.10	A+
heating / Warmer	Pdesignh	3.3	kW	heating / Warmer	SCOP/W	5.20	A+++
heating / Colder	Pdesignh	-	kW	heating / Colder	SCOP/C	-	-
				unit			
Declared capacity at outdoor temperature Tdesignh				Back up heating capacity at outdoor temperature Tdesignh			
heating / Average (-10°C)	Pdh	2.7	kW	heating / Average (-10°C)	elbu	0	kW
heating / Warmer (2°C)	Pdh	3.3	kW	heating / Warmer (2°C)	elbu	0	kW
heating / Colder (-22°C)	Pdh	-	kW	heating / Colder (-22°C)	elbu	0	kW
Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj				Declared energy efficiency ratio, at indoor temperature 27(19)°C and outdoor temperature Tj			
Tj=35°C	Pdc	2.5	kW	Tj=35°C	EERd	3.52	-
Tj=30°C	Pdc	1.8	kW	Tj=30°C	EERd	5.9	-
Tj=25°C	Pdc	1.2	kW	Tj=25°C	EERd	9.5	-
Tj=20°C	Pdc	1.1	kW	Tj=20°C	EERd	13	-
Declared capacity for heating / Average season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance / Average season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C	Pdh	2.3	kW	Tj=-7°C	COPd	2.7	-
Tj=2°C	Pdh	1.4	kW	Tj=2°C	COPd	3.95	-
Tj=7°C	Pdh	1	kW	Tj=7°C	COPd	5.45	-
Tj=12°C	Pdh	1.15	kW	Tj=12°C	COPd	6.85	-
Tj=bivalent temperature	Pdh	2.7	kW	Tj=bivalent temperature	COPd	2.25	-
Tj=operating limit	Pdh	2.7	kW	Tj=operating limit	COPd	2.25	-
Declared capacity for heating / Warmer season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance / Warmer season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=2°C	Pdh	3.3	kW	Tj=2°C	COPd	2.44	-
Tj=7°C	Pdh	2.1	kW	Tj=7°C	COPd	4.72	-
Tj=12°C	Pdh	1.1	kW	Tj=12°C	COPd	6.78	-
Tj=bivalent temperature	Pdh	3.3	kW	Tj=bivalent temperature	COPd	2.44	-
Tj=operating limit	Pdh	3.3	kW	Tj=operating limit	COPd	2.44	-
Declared capacity for heating / Colder season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance / Colder season, at indoor temperature 20°C and outdoor temperature 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	°C	heating / Warmer	Tol	2	°C
heating / Colder	Tbiv	0	°C	heating / Colder	Tol	0	°C
Cycling interval capacity				Cycling interval efficiency			
for cooling	Pcycc	-	kW	for cooling	EERcyc	-	-
for heating	Pcyh	-	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 mode'				Annual electricity consumption			
off mode	Poff	6	W	cooling	Qce	127	kWh/a
standby mode	Psb	6	W	heating / Average	Qhe	923	kWh/a
thermostat-off mode	Pto(cooling)	11	W	heating / Warmer	Qhe	888	kWh/a
	Pto(heating)	15	W	heating / colder	Qhe	-	kWh/a
crankcase heater mode	Pck	0	W				
Capacity control(indicate one of three options)				Other items			
fixed	No			Sound power level(indoor)	Lwa	57	dB(A)
staged	No			Sound power level(outdoor)	Lwa	57	dB(A)
variable	Yes			Global warming potential	GWP	675	kgCO2eq.
				Rated air flow(indoor)	-	600	m³/h
				Rated air flow(outdoor)	-	1314	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					
(UK)		Mitsubishi Heavy Industries Air-Conditioning Europe, Ltd. 5 The Square, Stockley Park, Uxbridge, Middlesex UB11 1ET, United kingdom					

RWA000Z287

Model SRK35ZSP-W1

Information to identify the model(s) to which the information relates to:				If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.			
Indoor unit model name		SRK35ZSP-W1					
Outdoor unit model name		SRC35ZSP-W1					
Function(indicate if present)				Average(mandatory)			
cooling		Yes		Warmer(if designated)		Yes	
heating		Yes		Colder(if designated)		Yes	
Item	symbol	value	unit	Item	symbol	value	class
Design load				Seasonal efficiency and energy efficiency class			
cooling	Pdesignc	3.2	kW	cooling	SEER	7.30	A++
heating / Average	Pdesignh	2.8	kW	heating / Average	SCOP/A	4.50	A+
heating / Warmer	Pdesignh	3.6	kW	heating / Warmer	SCOP/W	5.50	A+++
heating / Colder	Pdesignh	-	kW	heating / Colder	SCOP/C	-	-
Declared capacity at outdoor temperature Tdesignh				Back up heating capacity at outdoor temperature Tdesignh			
heating / Average (-10°C)	Pdh	2.8	kW	heating / Average (-10°C)	elbu	0	kW
heating / Warmer (2°C)	Pdh	3.6	kW	heating / Warmer (2°C)	elbu	0	kW
heating / Colder (-22°C)	Pdh	-	kW	heating / Colder (-22°C)	elbu	-	kW
Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj				Declared energy efficiency ratio, at indoor temperature 27(19)°C and outdoor temperature Tj			
Tj=35°C	Pdc	3.2	kW	Tj=35°C	EERd	3.52	-
Tj=30°C	Pdc	2.4	kW	Tj=30°C	EERd	5.53	-
Tj=25°C	Pdc	1.5	kW	Tj=25°C	EERd	9.67	-
Tj=20°C	Pdc	1.2	kW	Tj=20°C	EERd	16.2	-
Declared capacity for heating / Average season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance / Average season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C	Pdh	2.5	kW	Tj=-7°C	COPd	3.1	-
Tj=2°C	Pdh	1.5	kW	Tj=2°C	COPd	4.5	-
Tj=7°C	Pdh	1	kW	Tj=7°C	COPd	5.5	-
Tj=12°C	Pdh	1.1	kW	Tj=12°C	COPd	6.7	-
Tj=bivalent temperature	Pdh	2.8	kW	Tj=bivalent temperature	COPd	2.7	-
Tj=operating limit	Pdh	2.8	kW	Tj=operating limit	COPd	2.7	-
Declared capacity for heating / Warmer season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance / Warmer season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=2°C	Pdh	3.6	kW	Tj=2°C	COPd	2.63	-
Tj=7°C	Pdh	2.3	kW	Tj=7°C	COPd	5.06	-
Tj=12°C	Pdh	1.2	kW	Tj=12°C	COPd	7.05	-
Tj=bivalent temperature	Pdh	3.6	kW	Tj=bivalent temperature	COPd	2.63	-
Tj=operating limit	Pdh	3.6	kW	Tj=operating limit	COPd	2.63	-
Declared capacity for heating / Colder season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance / Colder season, at indoor temperature 20°C and outdoor temperature 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	°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	Pcyh	-	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 mode'				Annual electricity consumption			
off mode	Poff	6	W	cooling	Qce	154	kWh/a
standby mode	Psb	6	W	heating / Average	Qhe	872	kWh/a
thermostat-off mode	Pto(cooling)	11	W	heating / Warmer	Qhe	916	kWh/a
	Pto(heating)	15	W	heating / colder	Qhe	-	kWh/a
crankcase heater mode	Pck	0	W				
Capacity control(indicate one of three options)				Other items			
fixed	No			Sound power level(indoor)	Lwa	57	dB(A)
staged	No			Sound power level(outdoor)	Lwa	59	dB(A)
variable	Yes			Global warming potential	GWP	675	kgCO2eq.
				Rated air flow(indoor)	-	624	m³/h
				Rated air flow(outdoor)	-	1368	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						
(UK)	Mitsubishi Heavy Industries Air-Conditioning Europe, Ltd.						
	5 The Square, Stockley Park, Uxbridge, Middlesex UB11 1ET, United Kingdom						

RWA000Z287

Model SRK45ZSP-W1

Information to identify the model(s) to which the information relates to:				If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.			
Indoor unit model name		SRK45ZSP-W1		Outdoor unit model name		SRC45ZSP-W1	
Function(indicate if present)				Average(mandatory)			
cooling		Yes		Warmer(if designated)		Yes	
heating		Yes		Colder(if designated)		No	
Item	symbol	value	unit	Item	symbol	value	class
Design load				Seasonal efficiency and energy efficiency class			
cooling	Pdesignc	4.5	kW	cooling	SEER	6.40	A++
heating / Average	Pdesignh	3.8	kW	heating / Average	SCOP/A	4.20	A+
heating / Warmer	Pdesignh	4.3	kW	heating / Warmer	SCOP/W	5.30	A+++
heating / Colder	Pdesignh	-	kW	heating / Colder	SCOP/C	-	-
Declared capacity at outdoor temperature Tdesignh				Back up heating capacity at outdoor temperature Tdesignh			
heating / Average (-10°C)	Pdh	3.8	kW	heating / Average (-10°C)	elbu	0	kW
heating / Warmer (2°C)	Pdh	4.3	kW	heating / Warmer (2°C)	elbu	0	kW
heating / Colder (-22°C)	Pdh	-	kW	heating / Colder (-22°C)	elbu	-	kW
Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj				Declared energy efficiency ratio, at indoor temperature 27(19)°C and outdoor temperature Tj			
Tj=35°C	Pdc	4.5	kW	Tj=35°C	EERd	3.23	-
Tj=30°C	Pdc	3.3	kW	Tj=30°C	EERd	4.71	-
Tj=25°C	Pdc	2.1	kW	Tj=25°C	EERd	7.88	-
Tj=20°C	Pdc	1.8	kW	Tj=20°C	EERd	12.28	-
Declared capacity for heating / Average season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance / Average season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C	Pdh	3.2	kW	Tj=-7°C	COPd	2.95	-
Tj=2°C	Pdh	2.1	kW	Tj=2°C	COPd	4.2	-
Tj=7°C	Pdh	1.4	kW	Tj=7°C	COPd	5.1	-
Tj=12°C	Pdh	1.6	kW	Tj=12°C	COPd	6.2	-
Tj=bivalent temperature	Pdh	3.8	kW	Tj=bivalent temperature	COPd	2.57	-
Tj=operating limit	Pdh	3.8	kW	Tj=operating limit	COPd	2.57	-
Declared capacity for heating / Warmer season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance / Warmer season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=2°C	Pdh	4.3	kW	Tj=2°C	COPd	2.85	-
Tj=7°C	Pdh	2.6	kW	Tj=7°C	COPd	5.08	-
Tj=12°C	Pdh	1.6	kW	Tj=12°C	COPd	6.56	-
Tj=bivalent temperature	Pdh	4.3	kW	Tj=bivalent temperature	COPd	2.85	-
Tj=operating limit	Pdh	4.3	kW	Tj=operating limit	COPd	2.85	-
Declared capacity for heating / Colder season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance / Colder season, at indoor temperature 20°C and outdoor temperature 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	°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	Pcyhc	-	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 mode'				Annual electricity consumption			
off mode	Poff	4	W	cooling	Qce	247	kWh/a
standby mode	Psb	4	W	heating / Average	Qhe	1266	kWh/a
thermostat-off mode	Pto(cooling)	12	W	heating / Warmer	Qhe	1137	kWh/a
	Pto(heating)	20	W	heating / colder	Qhe	-	kWh/a
crankcase heater mode	Pck	0	W				
Capacity control(indicate one of three options)				Other items			
fixed		No		Sound power level(indoor)	Lwa	57	dB(A)
staged		No		Sound power level(outdoor)	Lwa	64	dB(A)
variable		Yes		Global warming potential	GWP	675	kgCO2eq.
				Rated air flow(indoor)	-	582	m³/h
				Rated air flow(outdoor)	-	2136	m³/h
Contact details for obtaining more information	Name and address of the manufacturer or of its authorised representative. Mitsubishi Heavy Industries Air-Conditioning Europe, Ltd. 5 The Square, Stockley Park, Uxbridge, Middlesex, UB11 1ET, United kingdom						

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Model SRK50ZSP-W1

Information to identify the model(s) to which the information relates to:				If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.			
Indoor unit model name		SRK50ZSP-W1		Average (mandatory)		Yes	
Outdoor unit model name		SRC50ZSP-W1		Warmer (if designated)		Yes	
Function(indicate if present)				Colder(if designated)		No	
cooling		Yes					
heating		Yes					
Item	symbol	value	unit	Item	symbol	value	class
Design load				Seasonal efficiency and energy efficiency class			
cooling	Pdesignc	5	kW	cooling	SEER	6.30	A++
heating / Average	Pdesignh	3.8	kW	heating / Average	SCOP/A	4.20	A+
heating / Warmer	Pdesignh	4.3	kW	heating / Warmer	SCOP/W	5.30	A+++
heating / Colder	Pdesignh	-	kW	heating / Colder	SCOP/C	-	-
				unit			
Declared capacity at outdoor temperature Tdesignh				Back up heating capacity at outdoor temperature Tdesignh			
heating / Average (-10°C)	Pdh	3.8	kW	heating / Average (-10°C)	elbu	0	kW
heating / Warmer (2°C)	Pdh	4.3	kW	heating / Warmer (2°C)	elbu	0	kW
heating / Colder (-22°C)	Pdh	-	kW	heating / Colder (-22°C)	elbu	-	kW
Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj				Declared energy efficiency ratio, at indoor temperature 27(19)°C and outdoor temperature Tj			
Tj=35°C	Pdc	5	kW	Tj=35°C	EERd	2.87	-
Tj=30°C	Pdc	3.7	kW	Tj=30°C	EERd	4.65	-
Tj=25°C	Pdc	2.3	kW	Tj=25°C	EERd	7.77	-
Tj=20°C	Pdc	1.9	kW	Tj=20°C	EERd	12.38	-
Declared capacity for heating / Average season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance / Average season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C	Pdh	3.2	kW	Tj=-7°C	COPd	2.95	-
Tj=2°C	Pdh	2.1	kW	Tj=2°C	COPd	4.2	-
Tj=7°C	Pdh	1.4	kW	Tj=7°C	COPd	5.1	-
Tj=12°C	Pdh	1.6	kW	Tj=12°C	COPd	6.2	-
Tj=bivalent temperature	Pdh	3.8	kW	Tj=bivalent temperature	COPd	2.57	-
Tj=operating limit	Pdh	3.8	kW	Tj=operating limit	COPd	2.57	-
Declared capacity for heating / Warmer season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance / Warmer season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=2°C	Pdh	4.3	kW	Tj=2°C	COPd	2.85	-
Tj=7°C	Pdh	2.6	kW	Tj=7°C	COPd	5.08	-
Tj=12°C	Pdh	1.6	kW	Tj=12°C	COPd	6.56	-
Tj=bivalent temperature	Pdh	4.3	kW	Tj=bivalent temperature	COPd	2.85	-
Tj=operating limit	Pdh	4.3	kW	Tj=operating limit	COPd	2.85	-
Declared capacity for heating / Colder season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance / Colder season, at indoor temperature 20°C and outdoor temperature 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	°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	Pcyhc	-	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 mode'				Annual electricity consumption			
off mode	Poff	4	W	cooling	Qce	278	kWh/a
standby mode	Psb	4	W	heating / Average	Qhe	1266	kWh/a
thermostat-off mode	Pto(cooling)	12	W	heating / Warmer	Qhe	1137	kWh/a
	Pto(heating)	20	W	heating / colder	Qhe	-	kWh/a
crankcase heater mode	Pck	0	W				
Capacity control(indicate one of three options)				Other items			
fixed	No			Sound power level(indoor)	Lwa	59	dB(A)
staged	No			Sound power level(outdoor)	Lwa	65	dB(A)
variable	Yes			Global warming potential	GWP	675	kgCO2eq.
				Rated air flow(indoor)	-	630	m³/h
				Rated air flow(outdoor)	-	2262	m³/h
Contact details for obtaining more information	Name and address of the manufacturer or of its authorised representative. Mitsubishi Heavy Industries Air-Conditioning Europe, Ltd. 5 The Square, Stockley Park, Uxbridge, Middlesex, UB11 1ET, United kingdom						

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INVERTER WALL MOUNTED TYPE RESIDENTIAL AIR-CONDITIONERS



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