1. OUTDOOR UNITS

1.1 Specifications

(1) Model SCM30ZS-W

Item			Model	SCM30ZS-W
Cooling capacity (1)			W	3000 (1400 (Min.) - 5000 (Max.))
Heating capacity (1)			W	4000 (1000 (Min.) - 5700 (Max.))
Heating capacity (H2)			W	—
Power source				1 Phase, 220 - 240 V, 50Hz/ 220V, 60Hz
Operation data (1)	Power consumption	Cooling	kW	0.52 (0.32 - 1.60)
		Heating		0.74 (0.25 - 1.49)
		Heating (H2)		—
	Running current	Cooling	A	2.7 / 2.5 / 2.4 (220/ 230/ 240 V)
		Heating		3.5 / 3.4 / 3.2 (220/ 230/ 240 V)
	Inrush current, max current			3.4 Max. 14
	EER	Cooling		5.77
	COP	Heating		5.41
		Heating (H2)		—
	Sound power level	Cooling	dB(A)	62
		Heating		64
	Sound pressure level	Cooling	dB(A)	49
		Heating		51
	Silent mode	Cooling		44
		Heating		45
Exterior dimensions (Height x Width x Depth)			mm	595 x 780(+90) x 290
Exterior appearance (Munsell color)				Stucco white (4.2Y 7.5/1.1) near equivalent
Net weight			kg	35.5
Refrigerant equipment	Compressor type & Q'ty			9RS102ZBE21 (Rotary type) x 1
	Motor (Starting method)		kW	1.5 (Inverter driven)
	Refrigerant oil		L	0.32 (FW50S)
	Refrigerant (4)		kg	R32 1.25 (Pre-Charged up to the piping length of 30m)
	Heat exchanger			M fins & inner grooved tubing
	Refrigerant control			Capillary tubes + Electronic expansion valve
	Device control			Microcomputer control
Air handling equipment	Fan type & Q'ty			Propeller fan x 1
	Motor		W	24
	Air flow	Cooling	m^3/min	32.5
		Heating		32.5
Shock & vibration absorber				Rubber sleeve (for compressor)
Electric heater				—
Safety devices				Compressor overheat protection, Overcurrent protection, Frost protection, Serial signal error protection, Outdoor fan motor error protection, Heating & Cooling overload protection
Installation data	Refrigerant piping size (O.D)		mm	Liquid line: ϕ 6.35 (1/4") × 2
				Gas line: ϕ 9.52 (3/8") × 2
	Connecting method			Flare connecting
	Insulation for piping			Necessary (Both sides), independent
	Length for one indoor unit		m	Max. 25
	Total length for all rooms			Max. 30
	Vertical height difference between outdoor unit and indoor unit			Max. 15 (Outdoor unit is higher) Max. 15 (Outdoor unit is lower)
	Height difference of the indoor units			Max. 25
Recommended breaker size			A	25
Connection wiring	Size x Core number			1.5mm^2 x 4 cores (Including earth cable)
	Connecting method			Terminal block (Screw fixing type)
IP number				IPX4
Accessories (included)				Installation sheet, Elbow, Grommet
Indoor unit to be combined				SRK15ZS-WF,-WFB,-WFT SRK20,25ZS-W,-WB,-WT,-WF,-WFB,-WFT SKM15,20,25ZSP-W
Number of connectable indoor units				2
Total of indoor units			kW	Max. 5.0

Notes (1) The data are measured at the following conditions. The pipe length for one indoor unit is 5m.

Item / Operation	Indoor air temperature		Outdoor air temperature		Standards
	DB	WB	DB	WB	
Cooling	27°C	19°C	35°C	24°C	ISO15042-T1
Heating	20°C	—	7°C	6°C	ISO15042-H1
Heating (H2)	20°C	—	2°C	1°C	ISO15042-H2

(2) This air-conditioner is manufactured and tested in conformity with the ISO.
(3) The operation data are applied to the 220/230/240V districts respectively.
(4) The refrigerant quantity to be charged includes the refrigerant in 20m connecting piping.
(Purging is not required even for the short piping.)

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(2) Model SCM41ZS-W

Item			Model	SCM41ZS-W
Cooling capacity (1)			W	4000 (1400 (Min.) - 6300 (Max.))
Heating capacity (1)			W	4500 (1000 (Min.) - 6900 (Max.))
Heating capacity (H2)			W	—
Power source				1 Phase, 220 - 240 V, 50Hz/ 220V, 60Hz
Operation data (1)	Power consumption	Cooling	kW	0.72 (0.32 - 1.65)
		Heating		0.81 (0.25 - 1.58)
		Heating (H2)		—
	Running current	Cooling	A	3.4 / 3.3 / 3.2 (220/ 230/ 240 V)
		Heating		3.8 / 3.7 / 3.5 (220/ 230/ 240 V)
	Inrush current, max current			3.7 Max. 15
	EER	Cooling		5.56
	COP	Heating		5.56
		Heating (H2)		—
	Sound power level	Cooling	dB(A)	62
		Heating		64
	Sound pressure level	Cooling	dB(A)	49
		Heating		52
	Silent mode	Cooling		43
		Heating		44
Exterior dimensions (Height x Width x Depth)			mm	640 x850(+65) x 290
Exterior appearance (Munsell color)				Stucco white (4.2Y 7.5/1.1) near equivalent
Net weight			kg	42.5
Refrigerant equipment	Compressor type & Q'ty			9RS102ZBE21 (Rotary type) x 1
	Motor (Starting method)		kW	1.5 (Inverter driven)
	Refrigerant oil		L	0.32 (FW50S)
	Refrigerant (4)		kg	R32 1.6 (Pre-Charged up to the piping length of 40m)
	Heat exchanger			M fins & inner grooved tubing
	Refrigerant control			Capillary tubes + Electronic expansion valve
	Device control			Microcomputer control
Air handling equipment	Fan type & Q'ty			Propeller fan x 1
	Motor		W	34
	Air flow	Cooling	m^3/min	41.0
		Heating		41.0
Shock & vibration absorber				Rubber sleeve (for compressor)
Electric heater				—
Safety devices				Compressor overheat protection, Overcurrent protection, Frost protection, Serial signal error protection, Outdoor fan motor error protection, Heating & Cooling overload protection
Installation data	Refrigerant piping size (O.D)		mm	Liquid line: ϕ 6.35 (1/4") × 3
				Gas line: ϕ 9.52 (3/8") × 3
	Connecting method			Flare connecting
	Insulation for piping			Necessary (Both sides), independent
	Length for one indoor unit		m	Max. 25
	Total length for all rooms			Max. 40
	Vertical height difference between outdoor unit and indoor unit			Max. 15 (Outdoor unit is higher) Max. 15 (Outdoor unit is lower)
	Height difference of the indoor units			Max. 25
Recommended breaker size			A	25
Connection wiring	Size x Core number			1.5mm^2 x 4 cores (Including earth cable)
	Connecting method			Terminal block (Screw fixing type)
IP number				IPX4
Accessories (included)				Installation sheet, Elbow, Grommet
Indoor unit to be combined				SRK15ZS-WF,-WFB,-WFT SRK20,25,35ZS-W,-WB,-WT,-WF,-WFB,-WFT SKM15,20,25,35ZSP-W
Number of connectable indoor units				Min. 2 - Max. 3
Total of indoor units			kW	Max. 7.0

Notes (1) The data are measured at the following conditions. The pipe length for one indoor unit is 5m.

Item / Operation	Indoor air temperature		Outdoor air temperature		Standards
	DB	WB	DB	WB	
Cooling	27°C	19°C	35°C	24°C	ISO15042-T1
Heating	20°C	—	7°C	6°C	ISO15042-H1
Heating (H2)	20°C	—	2°C	1°C	ISO15042-H2

(2) This air-conditioner is manufactured and tested in conformity with the ISO.
(3) The operation data are applied to the 220/230/240V districts respectively.
(4) The refrigerant quantity to be charged includes the refrigerant in 20m connecting piping.
(Purging is not required even for the short piping.)

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