1. OUTDOOR UNITS

1.1 Specifications (1) Model SCM30ZS-W

			Mode	SCM30ZS-W			
Cooling capacity (1)			W				
Heating capacity (1)			W	4000 (1000 (Min.) - 5700 (Max.))			
Heating capacity (H2)			W				
Power sourc	, , ,			1 Phase, 220 - 240 V, 50Hz/ 220V, 60Hz			
		Cooling		0.52 (0.32 - 1.60)			
	Power consumption	Heating	kW	0.74 (0.25 - 1.49)			
	Power consumption			0.74 (0.25 - 1.49)			
Operation data (1)		Heating	(П2)				
	Running current	Cooling	<u> </u>	2.7 / 2.5 / 2.4 (220/ 230/ 240 V)			
		Heating	Α	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			
	COP	Heating	(H2)	-			
		Cooling		62			
	Sound power level	Heating	dB(A)	64			
		Cooling		49			
	Sound pressure level	Heating					
			dB(A)	51			
	Silent mode	Cooling		44			
		Heating		45			
Exterior dimensions (Height x Width x Depth)			mm	595 x 780(+90) x 290			
Exterior app				Stucco white			
(Munsell cold	or)			(4.2Y 7.5/1.1) near equivalent			
Net weight			kg	35.5			
Refrigerant	Compressor type & Q't	у		9RS102ZBE21 (Rotary type) x 1			
	Motor (Starting method)		kW	1.5 (Inverter driven)			
	Refrigerant oil		L	0.32 (FW50S)			
		0					
equipment	Refrigerant (4)						
	Heat exchanger			M fins & inner grooved tubing			
		Refrigerant control		Capillary tubes + Electronic expansion valve			
	Device control			Microcomputer control			
	Fan type & Q'ty			Propeller fan x 1			
Air handling	Motor		W	24			
equipment		Cooling		32.5			
• •	Air flow	Heating	— m³/mir	in			
Chaste 9 with	ration absorber	riouting		Rubber sleeve (for compressor)			
Electric heat							
Safety device				Compressor overheat protection, Overcurrent protection, Frost protection, Serial signal error protection, Outdoor fan motor error prot Heating & Cooling overload protection			
	Refrigerant piping size (O.D)			Liquid line: ϕ 6.35 (1/4") × 2			
				Gas line: φ 9.52 (3/8") × 2			
	Connecting method			Flare connecting			
				· · · · · · · · · · · · · · · · · · ·			
Installation	Connecting method Insulation for piping			Necessary (Both sides), independent			
	Insulation for piping Length for one indoor u			· · · · · · · · · · · · · · · · · · ·			
	Insulation for piping		=	Necessary (Both sides), independent			
	Insulation for piping Length for one indoor u Total length for all room	IS		Necessary (Both sides), independent Max. 25			
	Insulation for piping Length for one indoor u	is e between	m	Necessary (Both sides), independent Max. 25 Max. 30			
	Insulation for piping Length for one indoor u Total length for all room Vertical height difference	is e between r unit	m	Necessary (Both sides), independent Max. 25 Max. 30 Max. 15 (Outdoor unit is higher)			
data	Insulation for piping Length for one indoor u Total length for all room Vertical height difference outdoor unit and indoo Height difference of the	is e between r unit		Necessary (Both sides), independent Max. 25 Max. 30 Max. 15 (Outdoor unit is higher) Max. 15 (Outdoor unit is lower) Max. 25			
data Recommenc	Insulation for piping Length for one indoor u Total length for all room Vertical height difference outdoor unit and indoo Height difference of the led breaker size	is e between r unit	m	Necessary (Both sides), independent Max. 25 Max. 30 Max. 15 (Outdoor unit is higher) Max. 15 (Outdoor unit is lower) Max. 25 25			
data Recommenc Connection	Insulation for piping Length for one indoor u Total length for all room Vertical height difference outdoor unit and indoo Height difference of the ded breaker size Size x Core number	is e between r unit		Necessary (Both sides), independent Max. 25 Max. 30 Max. 15 (Outdoor unit is higher) Max. 15 (Outdoor unit is lower) Max. 25 25 1.5mm² x 4 cores (Including earth cable)			
data Recommenc Connection wiring	Insulation for piping Length for one indoor u Total length for all room Vertical height difference outdoor unit and indoo Height difference of the led breaker size	is e between r unit		Necessary (Both sides), independent Max. 25 Max. 30 Max. 15 (Outdoor unit is higher) Max. 15 (Outdoor unit is lower) Max. 25 25 1.5mm ² x 4 cores (Including earth cable) Terminal block (Screw fixing type)			
data Recommenc Connection wiring IP number	Insulation for piping Length for one indoor u Total length for all room Vertical height difference outdoor unit and indoo Height difference of the ded breaker size Size x Core number Connecting method	is e between r unit		Necessary (Both sides), independent Max. 25 Max. 30 Max. 15 (Outdoor unit is higher) Max. 15 (Outdoor unit is lower) Max. 25 25 1.5mm² x 4 cores (Including earth cable) Terminal block (Screw fixing type) IPX4			
data Recommenc Connection wiring IP number	Insulation for piping Length for one indoor u Total length for all room Vertical height difference outdoor unit and indoo Height difference of the ded breaker size Size x Core number Connecting method	is e between r unit		Necessary (Both sides), independent Max. 25 Max. 30 Max. 15 (Outdoor unit is higher) Max. 15 (Outdoor unit is lower) Max. 25 25 1.5mm² x 4 cores (Including earth cable) Terminal block (Screw fixing type) IPX4 Installation sheet, Elbow, Grommet			
Connection wiring IP number Accessories Indoor unit to	Insulation for piping Length for one indoor u Total length for all room Vertical height difference outdoor unit and indoo Height difference of the led breaker size Size x Core number Connecting method (included)	is e between r unit		Necessary (Both sides), independent Max. 25 Max. 30 Max. 15 (Outdoor unit is higher) Max. 15 (Outdoor unit is lower) Max. 25 25 1.5mm² x 4 cores (Including earth cable) Terminal block (Screw fixing type) IPX4 Installation sheet, Elbow, Grommet SRK15ZS-WF,-WFB,-WFT SRK15,20,25ZSP-W			
data Recommenc Connection wiring IP number Accessories Indoor unit to Number of c	Insulation for piping Length for one indoor u Total length for all room Vertical height difference outdoor unit and indoo Height difference of the led breaker size Size x Core number Connecting method (included) o be combined	is e between r unit	A	Necessary (Both sides), independent Max. 25 Max. 30 Max. 15 (Outdoor unit is higher) Max. 15 (Outdoor unit is lower) Max. 25 25 1.5mm² x 4 cores (Including earth cable) Terminal block (Screw fixing type) Installation sheet, Elbow, Grommet SRK15ZS-WF,-WFB,-WFT SRK20,25ZSP-W 2			
data Recommenc Connection wiring P number Accessories Indoor unit to Number of c Total of indo	Insulation for piping Length for one indoor u Total length for all room Vertical height difference outdoor unit and indoo Height difference of the led breaker size Size x Core number Connecting method (included) o be combined connectable indoor units or units	is e between r unit indoor units	A	Necessary (Both sides), independent Max. 25 Max. 30 Max. 15 (Outdoor unit is higher) Max. 15 (Outdoor unit is lower) Max. 25 25 1.5mm² x 4 cores (Including earth cable) Terminal block (Screw fixing type) Installation sheet, Elbow, Grommet SRK15ZS-WF,-WFB,-WFT SRK20,25ZSP-W 2 Max. 5.0			
data Recommenc Connection wiring P number Accessories Indoor unit to Number of c Total of indo	Insulation for piping Length for one indoor u Total length for all room Vertical height difference outdoor unit and indoo Height difference of the led breaker size Size x Core number Connecting method (included) o be combined	is e between r unit indoor units	A	Necessary (Both sides), independent Max. 25 Max. 30 Max. 15 (Outdoor unit is higher) Max. 15 (Outdoor unit is lower) Max. 25 25 1.5mm² x 4 cores (Including earth cable) Terminal block (Screw fixing type) Installation sheet, Elbow, Grommet SRK15ZS-WF,-WFB,-WFT SRK20,25ZSP-W 2 Max. 5.0			
data Recommenc Connection wiring P number Accessories Indoor unit to Number of c Total of indo	Insulation for piping Length for one indoor of Total length for all room Vertical height difference outdoor unit and indoo Height difference of the Ided breaker size Size x Core number Connecting method (included) to be combined connectable indoor units or units 1) The data are measure	e between r unit indoor units	A A kW conditions	Necessary (Both sides), independent Max. 25 Max. 30 Max. 15 (Outdoor unit is higher) Max. 15 (Outdoor unit is lower) Max. 25 25 1.5mm² x 4 cores (Including earth cable) Terminal block (Screw fixing type) Installation sheet, Elbow, Grommet SRK15ZS-WF,-WFB,-WFT SRK20,25ZS-W,-WB,-WT,-WF,-WFB,-WFT SKM15,20,25ZSPW 2 Max. 5.0 S. The pipe length for one indoor unit is 5m. Outdoor air temperature			
data Recommenc Connection wiring P number Accessories Indoor unit to Number of c Total of indo	Insulation for piping Length for one indoor u Total length for all room Vertical height difference outdoor unit and indoo Height difference of the led breaker size Size x Core number Connecting method (included) o be combined connectable indoor units or units 1) The data are measure Item	e between r unit indoor units d at the following Indoor air tem	A A kW conditions perature	Necessary (Both sides), independent Max. 25 Max. 30 Max. 15 (Outdoor unit is higher) Max. 15 (Outdoor unit is lower) Max. 25 25 1.5mm² x 4 cores (Including earth cable) Terminal block (Screw fixing type) IPX4 Installation sheet, Elbow, Grommet SRK15ZS-WF,-WFB,-WFT SRK20,25ZS-VV,-WB,-WT,-WF,-WFB,-WFT SKM15,20,25ZSP-W 2 Max. 5.0 Standards			
data Recommenc Connection wiring IP number Accessories Indoor unit to Number of c Total of indo	Insulation for piping Length for one indoor u Total length for all room Vertical height difference outdoor unit and indoo Height difference of the led breaker size Size x Core number Connecting method (included) o be combined connectable indoor units or units 1) The data are measure Operation	e between r unit indoor units d at the following Indoor air tem DB	kW conditions berature WB	Necessary (Both sides), independent Max. 25 Max. 30 Max. 15 (Outdoor unit is higher) Max. 15 (Outdoor unit is lower) Max. 25 25 1.5mm² x 4 cores (Including earth cable) Terminal block (Screw fixing type) IPX4 Installation sheet, Elbow, Grommet SRK15ZS-WF,-WFB,-WFT SRK20,25ZS-W,-VWB,-WT,-WFB,-WFT SKM15,20,25ZSP-W 2 Max. 5.0 S. The pipe length for one indoor unit is 5m. Outdoor air temperature DB WB			
data Recommenc Connection wiring IP number Accessories Indoor unit to Number of c Total of indo	Insulation for piping Length for one indoor u Total length for all room Vertical height difference outdoor unit and indoo Height difference of the led breaker size Size x Core number Connecting method (included) to be combined connectable indoor units or units 1) The data are measure Departion Cooling	e between r unit indoor units ad at the following Indoor air tem DB 27°C	A A kW conditions perature	Necessary (Both sides), independent Max. 25 Max. 30 Max. 15 (Outdoor unit is higher) Max. 15 (Outdoor unit is higher) Max. 25 25 1.5mm ² x 4 cores (Including earth cable) Terminal block (Screw fixing type) IPX4 Installation sheet, Elbow, Grommet SRK15ZS-WF,-WFB,-WFT SRK20,25ZS-W,-WB,-WT,-WFB,-WFT SRK20,25ZSP-W 2 Max. 5.0 S. The pipe length for one indoor unit is 5m. Outdoor air temperature Standards B Standards			
data Recommenc Connection wiring P number Accessories Indoor unit to Number of c Total of indo	Insulation for piping Length for one indoor u Total length for all room Vertical height difference outdoor unit and indoo Height difference of the led breaker size Size x Core number Connecting method (included) to be combined connectable indoor units or units 1) The data are measured Uperation Cooling Heating	e between r unit indoor units ad at the following Indoor air tem DB 27°C 20°C	A kW conditions perature WB 19°C –	Necessary (Both sides), independent Max. 25 Max. 30 Max. 15 (Outdoor unit is higher) Max. 15 (Outdoor unit is lower) Max. 25 25 IPX4 IPX4 IPX4 IPX4 IPX4 ISRK152S-WF,-WFB,-WFT SRK152S-W,-VWB,-WT,-WFB,-WFT SRK20,25ZS-W,-VB,-WFT SRK152S-WF,-WFB,-WFT SRK152S-WF,-WFB,-WFT SRK152S-W,-VB,-WFT SRK152S-W, -VB,-WFT SRK152S-W, -WB,-WFT SRK152S-W, -WB,-WFT SRK152S-W, -WFB,-WFT SRK152S-W, -WB, -WFT SRK152S - Q, 25ZS-W Q Max. 5.0 S. DB WB Standards			
data Recommenc Connection wiring IP number Accessories Indoor unit to Number of c Total of indo	Insulation for piping Length for one indoor u Total length for all room Vertical height difference outdoor unit and indoo Height difference of the led breaker size Size x Core number Connecting method (included) to be combined connectable indoor units or units 1) The data are measure Departion Cooling	e between r unit indoor units ad at the following Indoor air tem DB 27°C	kW conditions berature WB	Necessary (Both sides), independent Max. 25 Max. 30 Max. 15 (Outdoor unit is higher) Max. 15 (Outdoor unit is higher) Max. 25 25 1.5mm ² x 4 cores (Including earth cable) Terminal block (Screw fixing type) IPX4 Installation sheet, Elbow, Grommet SRK15ZS-WF,-WFB,-WFT SRK20,25ZS-W,-WB,-WT,-WFB,-WFT SRK20,25ZSP-W 2 Max. 5.0 S. The pipe length for one indoor unit is 5m. Outdoor air temperature Standards B Standards			

(4) The refrigerant quantity to be charged includes the (Purging is not required even for the short piping.)

(2) Model SCM41ZS-W

	Item			del	SCM41ZS-W			
Cooling capacity (1)			W	/	4000 (1400 (Min.) - 6300 (Max.))			
			W				500 (1000 (Min.) - 6900 (Max.))	
Heating capacity (1) Heating capacity (H2)			W					
Power sourc	,		••	·		1 Ph	ase, 220 - 240 V, 50Hz/ 220V, 60Hz	
Operation data (1)		Coolin	n			1116	0.72 (0.32 - 1.65)	
	Power consumption	Heatin	<u> </u>	,			0.81 (0.25 - 1.58)	
	Power consumption		<u> </u>	v -			0.01 (0.25 - 1.56)	
		Heating					— 	
	Running current	Cooling	<u> </u>				3.4 / 3.3 / 3.2 (220/ 230/ 240 V)	
	Heating		g A	· _	3.8 / 3.7 / 3.5 (220/ 230/ 240 V)			
	Inrush current, max current						3.7 Max. 15	
	EER	Coolin	-				5.56	
	COP	Heating	g				5.56	
	COF	Heatin	g (H2)				_	
	Sound power level	Coolin	g dB(62	
		Heatin	g ub(A) [64	
		Coolin	g				49	
	Sound pressure level	Heatin	a				52	
		Coolin		(A) -			43	
	Silent mode	Heatin	<u> </u>				44	
vterior dim	 ensions (Height x Width x		9 mr	<u>_</u> +			640 x850(+65) x 290	
		Depuij					Stucco white	
Exterior appearance (Munsell color)							(4.2Y 7.5/1.1) near equivalent	
Net weight		kç	,			42.5		
vot weignt	Comprosper tune 0 Olt		KU	<u>ا</u> ا		0	-	
	Compressor type & Q'ty		kV			91	RS102ZBE21 (Rotary type) x 1	
Refrigerant		Motor (Starting method)					1.5 (Inverter driven)	
	Refrigerant oil		L	_			0.32 (FW50S)	
quipment		Refrigerant (4)		9			e-Charged up to the piping length of 40m)	
1.1.	Heat exchanger						M fins & inner grooved tubing	
	Refrigerant control				Capillary tubes + Electronic expansion valve			
	Device control						Microcomputer control	
	Fan type & Q'ty					Propeller fan x 1		
Air handling	Motor		W	/		34		
equipment		Coolin	n l				41.0	
oquipmont	Air flow	Heatin	<u> </u>	nin –			41.0	
Shook & vib	ration absorber	Tiedun	9			P	ubber sleeve (for compressor)	
Electric heat				_		П	ubber sieeve (for compressor)	
Safety devic					Frost prote	ction, Serial sig	overheat protection, Overcurrent protection, nal error protection, Outdoor fan motor error protection ting & Cooling overload protection	
							Liquid line: φ 6.35 (1/4") × 3	
Installation data	Refrigerant piping size	(O.D)	mr	m -	Gas line: ϕ 9.52 (3/8") × 3			
	Connecting method						Flare connecting	
					°			
	Insulation for piping			_	Necessary (Both sides), independent			
	Length for one indoor u				Max. 25			
	0	Total length for all rooms			Max. 40			
	Vertical height difference		m	'	Max. 15 (Outdoor unit is higher)			
	outdoor unit and indoor unit				Max. 15 (Outdoor unit is lower)			
	Height difference of the indoor units				Max. 25			
	1		A	·			25	
Connection	Size x Core number						n ² x 4 cores (Including earth cable)	
	Connecting method				Terminal block (Screw fixing type)			
viring							IPX4	
-		Accessories (included)				Installation sheet, Elbow, Grommet		
P number	(included)				SRK15ZS-WF,-WFB,-WFT SRK20,25,35ZS-W,-WB,-WT,-WF,-WFB,-WFT SKM15,20,25,35ZSP-W			
P number Accessories	(included) o be combined						SKM15,20,25,35ZSP-W	
P number Accessories Indoor unit to	o be combined							
P number accessories ndoor unit to lumber of c	o be combined connectable indoor units			v			Min. 2 - Max. 3	
P number accessories ndoor unit to lumber of c otal of indo	o be combined connectable indoor units or units	ad at the following	kV				Min. 2 - Max. 3 Max. 7.0	
P number accessories ndoor unit to lumber of c total of indo	o be combined connectable indoor units	ed at the followir					Min. 2 - Max. 3	
P number Accessories ndoor unit to Number of c Total of indo	o be combined connectable indoor units or units	ed at the followir Indoor air ter	ig condition		Outdoor air te		Min. 2 - Max. 3 Max. 7.0 e length for one indoor unit is 5m.	
ndoor unit to Number of c Fotal of indo	o be combined connectable indoor units or units (1) The data are measure		ig condition		Outdoor air te DB		Min. 2 - Max. 3 Max. 7.0	
P number Accessories ndoor unit to Number of c Total of indo	o be combined connectable indoor units for units (1) The data are measure Item	Indoor air ter	ng condition			emperature	Min. 2 - Max. 3 Max. 7.0 e length for one indoor unit is 5m.	
P number Accessories ndoor unit to Number of c Total of indo	o be combined connectable indoor units for units (1) The data are measure Operation	Indoor air ter DB 27°C	ng condition nperature WB 19°C		DB 35°C	emperature WB 24°C	Min. 2 - Max. 3 Max. 7.0 e length for one indoor unit is 5m. Standards ISO15042-T1	
P number accessories ndoor unit to lumber of c total of indo	o be combined connectable indoor units for units (1) The data are measure Operation	Indoor air ter DB	ng condition nperature WB		DB	emperature WB	Min. 2 - Max. 3 Max. 7.0 e length for one indoor unit is 5m. Standards	

(Purging is not required even for the short piping.)

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