

# 1. SPECIFICATIONS

Model			SRK20ZS-W			
Item			Indoor unit <b>SRK20ZS-W</b>	Outdoor unit <b>SRC20ZS-W</b>		
Power source			1 Phase, 220 - 240V, 50Hz / 220V, 60Hz			
Operation data	Nominal cooling capacity (range)		kW		2.0 ( 0.9 (Min.) - 2.9 (Max.))	
	Nominal heating capacity (range)		kW		2.7 ( 0.9 (Min.) - 4.3 (Max.))	
	Heating capacity (H2)		kW		—	
	Power consumption	Cooling	kW	0.44 ( 0.19 - 0.80 )		
		Heating		0.59 ( 0.20 - 1.40 )		
		Heating (H2)		—		
	Max power consumption				1.65	
	Running current	Cooling	A	2.6 / 2.5 / 2.4 (220/ 230/ 240V)		
		Heating		3.2 / 3.0 / 2.9 (220/ 230/ 240V)		
	Inrush current, max current				3.2 / 3.0 / 2.9 (220/ 230/ 240V) Max. 9	
	Power factor	Cooling	%	79		
		Heating		85		
	EER	Cooling			4.55	
	COP	Heating			4.58	
		Heating (H2)			—	
Sound power level	Cooling	dB(A)	48		56	
	Heating		50		56	
Sound pressure level	Cooling		Hi: 34 Me: 25 Lo: 22 ULo: 19		45	
	Heating		Hi: 36 Me: 29 Lo: 23 ULo: 19		45	
Silent mode sound pressure level				Cooling:42 / Heating:43		
Exterior dimensions (Height x Width x Depth)		mm	290 x 870 x 230		540 x 780(+62) x 290	
Exterior appearance (Equivalent color : Munsell, RAL)			Fine snow (Pure white) ( 8.0Y 9.3/0.1 ) , ( 9003 )		Stucco white ( 4.2Y 7.5/1.1 ) , ( 7044 )	
Net weight		kg	9.5		31.5	
Compressor type & Quantity			—		RM-C5077SBE71( Rotary type ) x 1	
Compressor motor (Starting method)		kW	—		0.75 ( Inverter driven )	
Refrigerant oil (Amount, type)		ℓ	—		0.30 ( DIAMOND FREEZE MB75 )	
Refrigerant (Type, amount, pre-charge length)		kg	R32 0.62 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			Capillary tubes + Electronic expansion valve			
Fan type & Quantity			Tangential fan x 1		Propeller fan x 1	
Fan motor (Starting method)		W	42 x1 (Direct drive)		24 x1 (Direct drive)	
Air flow	Cooling	m³/min	Hi: 9.3 Me: 7.0 Lo: 5.9 ULo: 5.0		27.4	
	Heating		Hi: 10.0 Me: 8.5 Lo: 6.5 ULo: 5.9		23.6	
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: ϕ6.35 (1/4") Gas line: ϕ 9.52 (3/8")		
	Connecting method			Flare connection Flare connection		
	Attached length of piping		m	Liquid line : 0.54 / Gas line : 0.47 —		
	Insulation for piping			Necessary ( Both sides ), independent		
	Refrigerant line (one way) length		m	Max.20		
	Vertical height diff. between O.U. and I.U.		m	Max.10 ( Outdoor unit is higher ) / Max.10 ( Outdoor unit is lower )		
Drain hose			Hose connectable ( VP 16 ) Hole ϕ20 x 2 pcs			
Drain pump, max lift height		mm	— —			
Recommended breaker size		A	16			
L.R.A. (Locked rotor ampere)		A	3.2 / 3.0 / 2.9 (220/ 230/ 240V)			
Interconnecting wires		Size x Core number	1.5mm <sup>2</sup> x 4 cores (Including earth cable) / Terminal block (Screw fixing type)			
IP number			IPX0		IPX4	
Standard accessories			Mounting kit, Clean filter ( Allergen clear filter x 1, Photocatalytic washable deodorizing filter x 1 )			
Option parts			Interface kit ( SC-BIKN2-E )			

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

The pipe length is 5m.

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

(2) This air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.

(4) Select the breaker size according to the own national standard.

RWA000Z274

Item			Model	SRK25ZS-W				
				Indoor unit <b>SRK25ZS-W</b>		Outdoor unit <b>SRC25ZS-W</b>		
Power source				1 Phase, 220 - 240V, 50Hz / 220V, 60Hz				
Operation data	Nominal cooling capacity (range)		kW		2.5 ( 0.9 (Min.) - 3.1 (Max.))			
	Nominal heating capacity (range)		kW		3.2 ( 0.9 (Min.) - 4.5 (Max.))			
	Heating capacity (H2)		kW		—			
	Power consumption	Cooling	kW	0.62 ( 0.19 - 0.90 )				
		Heating		0.74 ( 0.20 - 1.42 )				
		Heating (H2)		—				
	Max power consumption				1.65			
	Running current	Cooling	A	3.3 / 3.1 / 3.0 (220/ 230/ 240V)				
		Heating		3.7 / 3.6 / 3.4 (220/ 230/ 240V)				
	Inrush current, max current				3.7 / 3.6 / 3.4 (220/ 230/ 240V) Max. 9			
	Power factor	Cooling	%	86				
		Heating		90				
	EER	Cooling		4.03				
	COP	Heating		4.32				
		Heating (H2)		—				
Sound power level	Cooling	dB(A)	50		56			
	Heating		53		58			
Sound pressure level	Cooling		Hi: 34 Me: 25 Lo: 22 ULo: 19		46			
	Heating		Hi: 36 Me: 29 Lo: 23 ULo: 19		46			
Silent mode sound pressure level				—		Cooling:42 / Heating:43		
Exterior dimensions (Height x Width x Depth)			mm	290 x 870 x 230		540 x 780(+62) x 290		
Exterior appearance (Equivalent color : Munsell, RAL)				Fine snow (Pure white) ( 8.0Y 9.3/0.1 ) , ( 9003 )		Stucco white ( 4.2Y 7.5/1.1 ) , ( 7044 )		
Net weight			kg	9.5		31.0		
Compressor type & Quantity				—		RM-C5077SBE71( Rotary type ) x 1		
Compressor motor (Starting method)			kW	—		0.75 ( Inverter driven )		
Refrigerant oil (Amount, type)			ℓ	—		0.30 ( DIAMOND FREEZE MB75 )		
Refrigerant (Type, amount, pre-charge length)			kg	R32 0.62 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				Capillary tubes + Electronic expansion valve				
Fan type & Quantity				Tangential fan x 1		Propeller fan x 1		
Fan motor (Starting method)			W	42 x1 (Direct drive)		24 x1 (Direct drive)		
Air flow	Cooling	m³/min	Hi: 9.9 Me: 8.0 Lo: 5.9 ULo: 5.0		27.4			
	Heating		Hi: 11.3 Me: 8.7 Lo: 6.7 ULo: 5.9		23.6			
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: ϕ6.35 (1/4") Gas line: ϕ 9.52 (3/8")				
	Connecting method			Flare connection		Flare connection		
	Attached length of piping		m	Liquid line : 0.54 / Gas line : 0.47		—		
	Insulation for piping			Necessary ( Both sides ), independent				
	Refrigerant line (one way) length		m	Max.20				
	Vertical height diff. between O.U. and I.U.		m	Max.10 ( Outdoor unit is higher ) / Max.10 ( Outdoor unit is lower )				
Drain hose				Hose connectable ( VP 16 )		Hole ϕ20 x 2 pcs		
Drain pump, max lift height			mm	—		—		
Recommended breaker size			A	16				
L.R.A. (Locked rotor ampere)			A	3.7 / 3.6 / 3.4 (220/ 230/ 240V)				
Interconnecting wires		Size x Core number		1.5mm <sup>2</sup> x 4 cores (Including earth cable) / Terminal block (Screw fixing type)				
IP number				IPX0		IPX4		
Standard accessories				Mounting kit, Clean filter ( Allergen clear filter x 1, Photocatalytic washable deodorizing filter x 1 )				
Option parts				Interface kit ( SC-BIKN2-E )				

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

The pipe length is 5m.

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

(2) This air-conditioner is manufactured and tested in conformity with the ISO.

(3) Sound level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.

(4) Select the breaker size according to the own national standard.

RWA000Z274

Model			SRK35ZS-W	
Item			Indoor unit <b>SRK35ZS-W</b>	Outdoor unit <b>SRC35ZS-W</b>
Power source			1 Phase, 220 - 240V, 50Hz / 220V, 60Hz	
Operation data	Nominal cooling capacity (range)		3.5 ( 0.9 (Min.) - 4.0 (Max.))	
	Nominal heating capacity (range)		4.0 ( 0.9 (Min.) - 5.0 (Max.))	
	Heating capacity (H2)		—	
	Power consumption	Cooling	0.89 ( 0.17 - 1.24 )	
		Heating	0.94 ( 0.19 - 1.45 )	
		Heating (H2)	—	
	Max power consumption		1.65	
	Running current	Cooling	4.4 / 4.2 / 4.0 (220/ 230/ 240V)	
		Heating	4.6 / 4.4 / 4.2 (220/ 230/ 240V)	
	Inrush current, max current		4.6 / 4.4 / 4.2 (220/ 230/ 240V) Max. 9	
	Power factor	Cooling	92	
		Heating	93	
	EER	Cooling	3.93	
	COP	Heating	4.26	
		Heating (H2)	—	
Sound power level	Cooling	54	61	
	Heating	56	61	
Sound pressure level	Cooling	Hi: 40 Me: 30 Lo: 26 ULo: 19	50	
	Heating	Hi: 41 Me: 36 Lo: 25 ULo:19	48	
Silent mode sound pressure level		—	Cooling:45 / Heating:44	
Exterior dimensions (Height x Width x Depth)		mm	290 x 870 x 230 540 x 780(+62) x 290	
Exterior appearance (Equivalent color : Munsell, RAL)			Fine snow (Pure white) ( 8.0Y 9.3/0.1 ) , ( 9003 ) Stucco white ( 4.2Y 7.5/1.1 ) , ( 7044 )	
Net weight		kg	9.5 34.5	
Compressor type & Quantity			— RM-B5077SBE2( Rotary type ) x 1	
Compressor motor (Starting method)		kW	— 0.90 ( Inverter driven )	
Refrigerant oil (Amount, type)		ℓ	— 0.30 ( DIAMOND FREEZE MB75 )	
Refrigerant (Type, amount, pre-charge length)		kg	R32 0.78 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			Capillary tubes + Electronic expansion valve	
Fan type & Quantity			Tangential fan x 1	Propeller fan x 1
Fan motor (Starting method)		W	42 x1 (Direct drive)	24 x1 (Direct drive)
Air flow	Cooling	m³/min	Hi: 11.3 Me: 8.7 Lo: 7.0 ULo: 5.0	31.5
	Heating		Hi: 12.3 Me: 11.0 Lo: 7.0 ULo: 5.6	27.8
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: ϕ6.35 (1/4") Gas line: ϕ 9.52 (3/8")
	Connecting method			Flare connection Flare connection
	Attached length of piping		m	Liquid line : 0.54 / Gas line : 0.47 —
	Insulation for piping			Necessary ( Both sides ), independent
	Refrigerant line (one way) length		m	Max.20
	Vertical height diff. between O.U. and I.U.		m	Max.10 ( Outdoor unit is higher ) / Max.10 ( Outdoor unit is lower )
Drain hose			Hose connectable ( VP 16 )	Hole ϕ20 x 2 pcs
Drain pump, max lift height		mm	—	—
Recommended breaker size		A	16	
L.R.A. (Locked rotor ampere)		A	4.6 / 4.4 / 4.2 (220/ 230/ 240V)	
Interconnecting wires		Size x Core number	1.5mm <sup>2</sup> x 4 cores (Including earth cable) / Terminal block (Screw fixing type)	
IP number			IPX0	IPX4
Standard accessories			Mounting kit, Clean filter ( Allergen clear filter x 1, Photocatalytic washable deodorizing filter x 1 )	
Option parts			Interface kit ( SC-BIKN2-E )	

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

The pipe length is 5m.

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

(2) This air-conditioner is manufactured and tested in conformity with the ISO.

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(4) Select the breaker size according to the own national standard.

RWA000Z274

Model			SRK50ZS-W			
Item			Indoor unit <b>SRK50ZS-W</b>	Outdoor unit <b>SRC50ZS-W</b>		
Power source			1 Phase, 220 - 240V, 50Hz / 220V, 60Hz			
Operation data	Nominal cooling capacity (range)		kW		5.0 ( 1.3 (Min.) - 5.5 (Max.))	
	Nominal heating capacity (range)		kW		5.8 ( 1.3 (Min.) - 6.6 (Max.))	
	Heating capacity (H2)		kW		—	
	Power consumption	Cooling	kW	1.35 ( 0.29 - 1.80 )		
		Heating		1.56 ( 0.25 - 1.98 )		
		Heating (H2)		—		
	Max power consumption				2.68	
	Running current	Cooling	A	6.2 / 5.9 / 5.7 (220/ 230/ 240V)		
		Heating		7.2 / 6.9 / 6.6 (220/ 230/ 240V)		
	Inrush current, max current				7.2 / 6.9 / 6.6 (220/ 230/ 240V) Max. 14.5	
	Power factor	Cooling	%	99		
		Heating		99		
	EER	Cooling		3.70		
	COP	Heating		3.72		
		Heating (H2)		—		
Sound power level	Cooling	dB(A)	59	61		
	Heating		60	63		
Sound pressure level	Cooling		Hi: 46 Me: 36 Lo: 29 ULo: 22	51		
	Heating		Hi: 46 Me: 37 Lo: 31 ULo: 24	52		
Silent mode sound pressure level				—	Cooling:43 / Heating:45	
Exterior dimensions (Height x Width x Depth)		mm	290 x 870 x 230		595 x 780(+62) x 290	
Exterior appearance (Equivalent color : Munsell, RAL)			Fine snow (Pure white) ( 8.0Y 9.3/0.1 ) , ( 9003 )		Stucco white ( 4.2Y 7.5/1.1 ) , ( 7044 )	
Net weight		kg	10.0		36.0	
Compressor type & Quantity			—		9RS102XDA21( 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 1.05 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			Capillary tubes + Electronic expansion valve			
Fan type & Quantity			Tangential fan x 1		Propeller fan x 1	
Fan motor (Starting method)		W	42 x1 (Direct drive)		24 x1 (Direct drive)	
Air flow	Cooling	m³/min	Hi: 12.1 Me: 9.9 Lo: 7.4 ULo: 5.9		32.8	
	Heating		Hi: 13.9 Me: 11.2 Lo: 9.1 ULo: 7.4		32.8	
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: ϕ6.35 (1/4")	Gas line: ϕ 12.7 (1/2")	
	Connecting method			Flare connection	Flare connection	
	Attached length of piping		m	Liquid line : 0.54 / Gas line : 0.47		—
	Insulation for piping			Necessary ( Both sides ), independent		
	Refrigerant line (one way) length		m	Max.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 ( VP 16 )		Hole ϕ20 x 2 pcs	
Drain pump, max lift height		mm	—		—	
Recommended breaker size		A	20			
L.R.A. (Locked rotor ampere)		A	7.2 / 6.9 / 6.6 (220/ 230/ 240V)			
Interconnecting wires		Size x Core number	1.5mm <sup>2</sup> x 4 cores (Including earth cable) / Terminal block (Screw fixing type)			
IP number			IPX0		IPX4	
Standard accessories			Mounting kit, Clean filter ( Allergen clear filter x 1, Photocatalytic washable deodorizing filter x 1 )			
Option parts			Interface kit ( SC-BIKN2-E )			

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

The pipe length is 5m.

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

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