

2 SELECTION DATA

2.1 Specifications

Model SRK20HD (Indoor unit)
SRC20HD (Outdoor unit)

(220/230/240V)

Item				Model	SRK20HD	SRC20HD
Cooling capacity ⁽¹⁾				W	2000	
Heating capacity ⁽¹⁾				W	2200	
Power source					1 Phase, 220-240V, 50Hz	
Operation data ⁽¹⁾	Cooling input			kW	0.635	
	Running current (Cooling)			A	3.1/3.0/2.9	
	Heating input			kW	0.605	
	Running current (Heating)			A	3.0/2.9/2.8	
	Inrush current			A	18	
	COP				Cooling: 3.15 Heating: 3.64	
	Noise level	Cooling	sound level	dB	Hi: 35, Me: 28, Lo: 26	45
			Power level		53	59
		Heating	sound level		Hi: 35, Me: 31, Lo: 27	45
Power level			53		59	
Exterior dimensions Height × Width × Depth				mm	250 × 815 × 249	540 × 720 × 290
Color					Cool white	Stucco white
Net weight				kg	9.0	32
Refrigerant equipment Compressor type & Q'ty					–	RM5485GNE95 (Rotary type) × 1
Motor				kW	–	0.75
Starting method					–	Line starting
Heat exchanger					Louver fins & inner grooved tubing	Straight fin & inner grooved tubing
Refrigerant control					Capillary tubes	
Refrigerant ⁽³⁾				kg	R22 0.77 (Pre-Charged up to the piping length of 7.5m)	
Refrigerant oil				ℓ	0.35 (BARREL FREEZE 32SAM)	
Deice control					MC control	
Air handling equipment Fan type & Q'ty					Tangential fan × 1	Propeller fan × 1
Motor				W	14	12
Air flow (at High)			(Cooling)	CMM	7.5	26
			(Heating)		7.5	26
Air filter, Q'ty					Polypropylene net (washable) × 2	–
Shock & vibration absorber					–	Cushion rubber (for compressor)
Electric heater					–	–
Operation control Operation switch					Wireless-Remote controller	–
Room temperature control					MC. Thermostat	–
Pilot lamp					RUN (Green), TIMER (Yellow), HI POWER (Green), ECONO (Orange)	
Safety equipment					Frost protection, Serial signal error protection Fan motor error protection	Compressor overheat protection, Overcurrent protection, Serial signal error protection
Refrigerant piping	O.D			mm (in)	Liquid line: ϕ6.35 (1/4") Gas line: ϕ9.52 (3/8")	
	Connecting method				Flare connecting	
	Attached length of piping				Liquid line: 0.4 m Gas line : 0.33 m	–
	Insulation				Necessary (Both sides)	
Drain hose					Connectable	
Power source cord					2.5 m (3 cores with Earth)	
Connection wiring	Size × Core number				1.5 mm ² × 4 cores (Including earth cable)	
	Connecting method				Terminal block (Screw fixing type)	
Accessories (included)					Mounting kit	
Optional parts					–	

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

Item	Indoor air temperature		Outdoor air temperature		Standards
	DB	WB	DB	WB	
Cooling	27°C	19°C	35°C	24°C	ISO-T1, JIS C9612
Heating	20°C	–	7°C	6°C	ISO-T1, JIS C9612

The piping length is 7.5m.

(2) The operation data are applied to the 220/230/240V districts respectively.

(3) The refrigerant quantity to be charged includes the refrigerant in 7.5 m connecting piping.

If the piping length is longer, when it is less than 10 m, add 20 g refrigerant per meter and when it is 10 to 15 m, add 30 g refrigerant per meter.

2.2 Range of usage & limitations

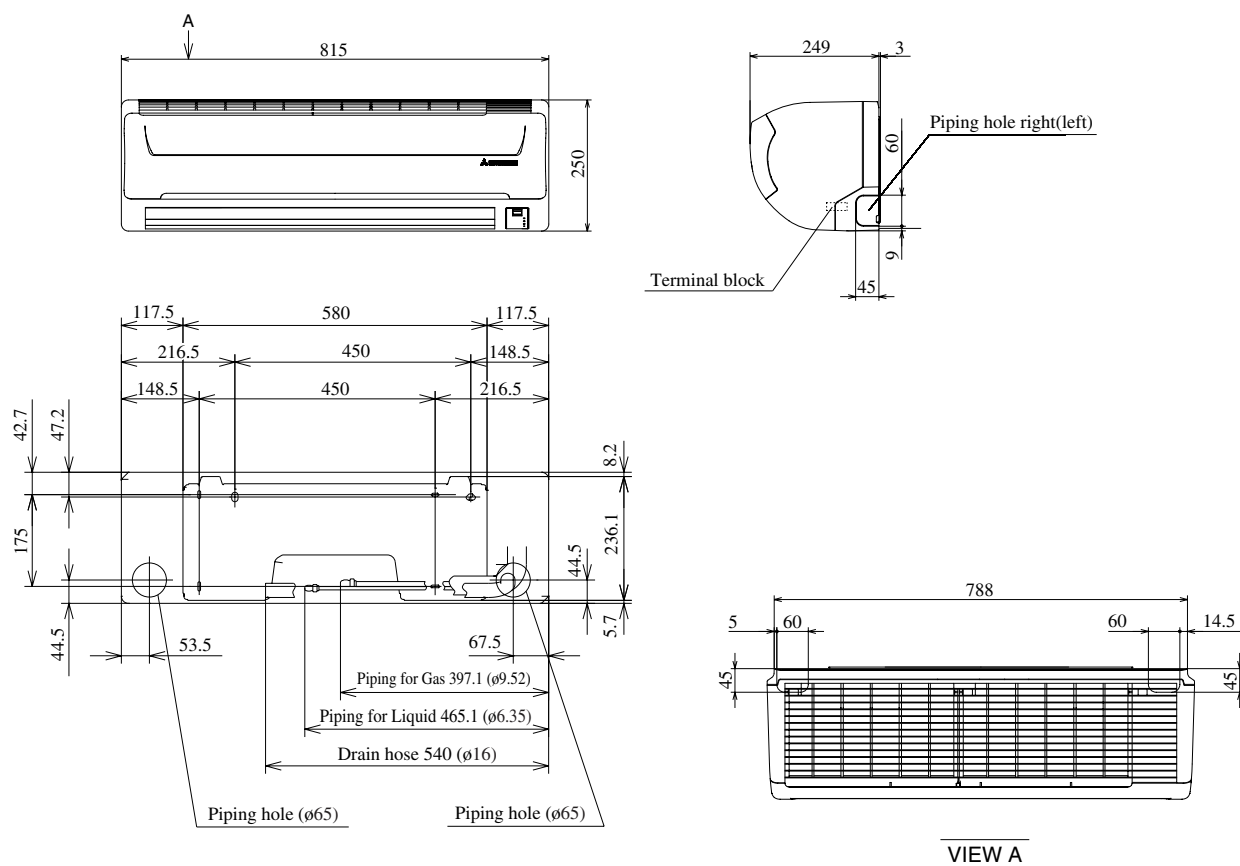
Item	Model	SRK20HD
Indoor return air temperature (Upper, lower limits)		Refer to the selection chart
Outdoor air temperature (Upper, lower limits)		
Refrigerant line (one way) length		Max. 15m
Vertical height difference between outdoor unit and indoor unit		Max. 5m (Outdoor unit is higher) Max. 5m (Outdoor unit is lower)
Power source voltage		Rating $\pm 10\%$
Voltage at starting		Min. 85% of rating
Frequency of ON-OFF cycle		Max. 10 times/h
ON and OFF interval		Max. 3 minutes

2.3 Exterior dimensions

(1) Indoor unit

Model SRK20HD

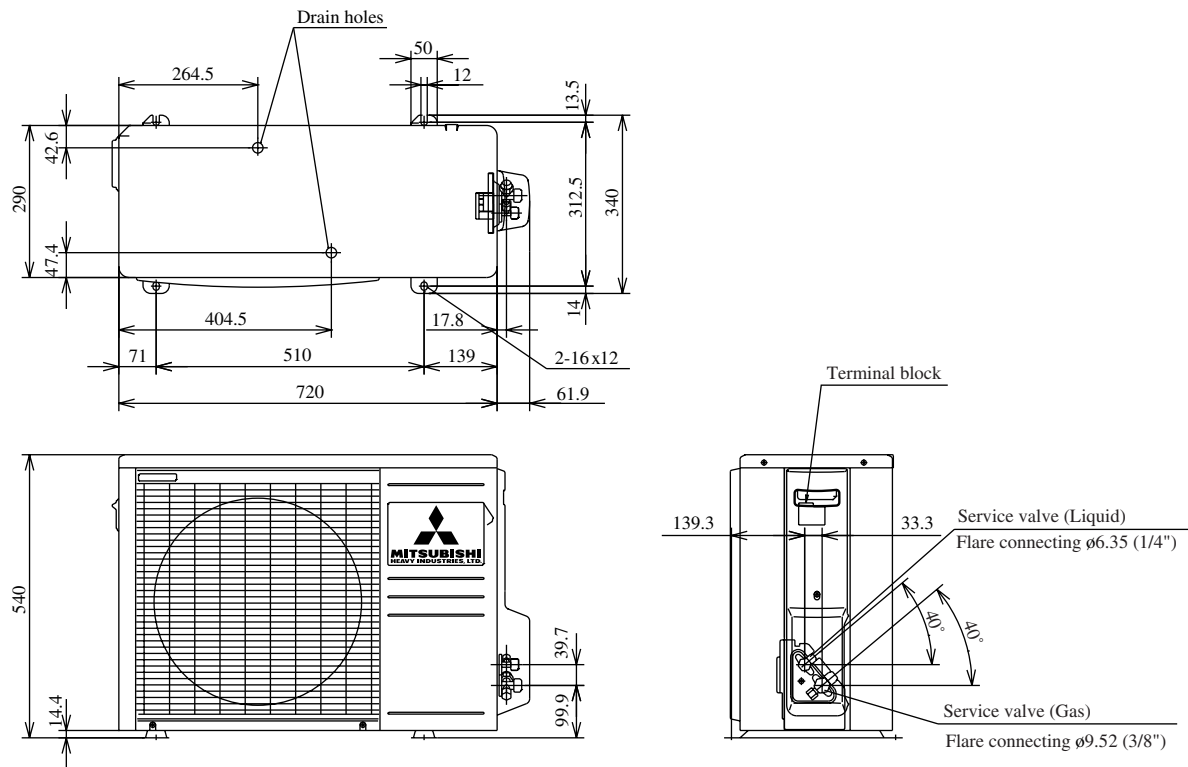
Unit: mm



(2) Outdoor unit

Model SRC20HD

Unit: mm



2.4 Piping system

Model SRK20HD

