Twin Split Wall Mount inverter TECHNOLOGY

A5MSX 20CR

The twin split inverter has two indoor units matched with one outdoor unit.

Comfortable
Inverter technology provides a quieter and more comfortable environment. Temperature, humidity, air flow and ambient conditions are processed through a control algorithm. This allows the compressor motor speed to vary and optimise cooling or heating power to create a precisely controlled room temperature.

Efficient
The Acson twin split inverter provides efficient operation with maximum A-rating energy efficiency and high COP.

Energy saving
The compressor in the Acson DC twin split inverter is programmed to run at the optimum speed. The compressor speed is controlled by input frequency that varies according to the indoor load requirements. Once the indoor set temperature is achieved, the input frequency supply to the compressor will be reduced. Hence, less energy is required to maintain the unit operation.

R410a refrigerant
Higher volumetric capacity results in an increased COP when compared to R407C and provides for smaller indoor fan coils and outdoor condensing units by comparison.

Advanced technology
Incorporating fuzzy logic control into the twin split inverter system design enables greater flexibility in handling the system control. This results in:

- Powerful, efficient and economical operation
- Even room temperature
- Constant and quiet compressor operation
- Enhanced system reliability and reduced maintenance costs

Low noise
By matching compressor speed to room demand, the Acson inverter system is able to run extremely quietly at all times, while an outdoor fan motor, with larger fan blades, lowers RPM and further reduces noise levels.

G12 Wireless
(Standard)

A5MSX 20 CR
(Outdoor Unit)

R410A

Cooling
4,500 Btu/h – 21,000 Btu/h
1.32 kW – 6.15 kW

Heating
4,500 Btu/h – 23,000 Btu/h
1.32 kW – 6.74 kW

Twin Split Wall Mount Inverter Specifications R410A

MODELS			INDOOR UNIT	1 x A5WMX10GR + 1 x A5WM10GR	
			OUTDOOR UNIT	A5MSX20CR	
Nominal Cooling Capacity			W	5570 (1320 - 6150) Total duty	
			Btu/h	19000 (4500 - 21000) Total duty	
Nominal Heating Capacity			W	5570 (1320 - 6150) Total duty	
			Btu/h	21000 (4500 - 23000) Total duty	
Rated Total Power Consumption (Cooling)			W	1500 (355 - 1870) Total duty	
Rated Total Power Consumption (Heating)			W	1630 (350 - 1950) Total duty	
Rated Total Running Current (Cooling)			A	6.75 (1.61 - 8.42) Total duty	
Rated Total Running Current (Heating)			A	7.38 (1.59 - 8.83) Total duty	
Power Source			V/Ph/Hz	220-240 / 1 / 50	
Refrigerant				R410A	
INDOOR UNIT					
Fan	Airflow	High	cfm/L/s	300 / 141.6	330 / 155.7
		Medium	cfm/L/s	250 / 118.0	260 / 122.7
		Low	cfm/L/s	200 / 94.4	210 / 99.1
	Fan Motor			4 Poles 17W	
Dimension		Height	mm/in	260 / 10.2	
		Width	mm/in	899 / 35.4	
		Depth	mm/in	198 / 7.8	
Weight			kg/lb	9.5 / 21	
Sound Pressure Level (H/M/L)			dBa	39 / 34 / 28	42 / 36 / 29
Control		Room Temperature		Thermostat Electronic Control	
		Air Discharge		Double Louver (Up / Down) & Grille (Left / Right)	
		Operation		Wireless LCD Remote Control	
Condensate Drain Size			mm/in	16 / 0.63	
Air Filter				Saranet Filter + Ionizer + Deodorizer	
OUTDOOR UNIT					
Comp.	Compressor Type			DC Brushless Scroll	
	Protection Device			Electronic Control	
Dimension		Height	mm/in	757 / 29.8	
		Width	mm/in	940 / 37.0	
		Depth	mm/in	392 / 14.3	
Weight			kg	50 / 110.2	
Sound Pressure Level			dBa	52	
Pipe	Type			FLARE	
	Size	Liquid	mm/in	2 x 6.35 / 1/4	
		Gas	mm/in	2 x 9.52 / 3/8	
Refrigerant Charge			kg / lb	1.65 / 3.64	

1) All specifications are subject to change by the manufacturer without prior notice
2) All units are tested and comply with ISO 5151.
3) Nominal cooling and heating capacities are based on the conditions below:
   a) Cooling: +27°C DB / +19°C WB indoor and +35°C DB / +24°C WB Outdoor
   b) Heating: +20°C DB / +15°C WB indoor and +7°C DB / +6°C WB Outdoor
4) Sound pressure levels are according to the JIS B 8615 standard.
   Position of the measurement point is 1.0 m in front and 1.0 m below the unit.