

DC **inverter** Ceiling Exposed System A5CMX 15/20/25 ER

Ceiling and floor installation option

The DC inverter ceiling exposed is designed with the option to install either below the ceiling or on the floor.

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 to create a precisely controlled space.

Efficient

The Acson DC inverter ceiling exposed provides efficient operation with maximum A-rating energy efficiency and high COP.

Energy saving

A total energy saving of up to 30% when compared to a standard fixed speed compressor. Further energy savings are provided through a low compressor starting amp, while a two speed condenser fan efficiently matches the required load.

Low noise

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

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.

Flexible installation

The unit is designed to work with a high pressure head drain pump (optional) offering flexibility of installation.

Ease of maintenance

The washable filter can be easily accessed by pulling down the intake grill. For service or repair, only the bottom panel needs to be removed to access the following:

- Fan motor
- Blower
- Wiring connection
- Control box
- Piping connection



G12 Wireless
(Standard)



A5LCX 10-25 CR
(Outdoor Unit)

R410A

Cooling

5,000 Btu/h – 23,000 Btu/h
1.47 kW – 6.74 kW

Heating

5,000 Btu/h – 25,000 Btu/h
1.47 kW – 7.03 kW



Ceiling Exposed E Series Inverter Specifications R410A

HEAT PUMP MODEL		INDOOR UNIT	A5CMX 15ER	A5CMX 20ER	A5CMX 25ER	
		OUTDOOR UNIT	A5LCX 15CR	A5LCX 20CR	A5LCX 25CR	
Nominal Cooling Capacity	W		3,520	5,275 (1,465-5,862)	6,155 (1,465-6,741)	
	Btu/h		12,000	18,000 (5,000-20,000)	21,000 (5,000 - 23,000)	
Nominal Heating Capacity	W		3,520	5,568 (1,465-6,155)	6,448 (1,465-7,034)	
	Btu/h		12,000	19,000 (5,000-22,000)	22,000 (5,000-25,000)	
Rated Total Power Consumption (Cooling)	W		1,095	1,673 (526-1,885)	2,025 (529-5,213)	
Rated Total Power Consumption (Heating)	W		975	1,672 (526-1,885)	2,047 (529-5,213)	
Rated Total Running Current (Cooling)	A		4.86	7.42 (2.33-8.36)	8.98 (2.35-23.13)	
Rated Total Running Current (Heating)	A		4.33	7.42 (2.33-8.36)	9.08 (2.35-23.13)	
Cooling EER	W/W		3.21	3.15	3.04	
Heating COP	W/W		3.61	3.33	3.15	
COOLING ONLY MODEL		INDOOR UNIT	A5CMX 15E	A5CMX 20E	A5CMX 25E	
		OUTDOOR UNIT	A5LCX 15C	A5LCX 20C	A5LCX 25C	
Nominal Cooling Capacity	W		3,520	5,275 (1,465-5,862)	6,155 (1,465-6,741)	
	Btu/h		12,000	18,000 (5,000-20,000)	21,000 (5,000-23,000)	
Rated Power Consumption	W		1,095	1,673 (526-1,885)	2,025 (529-5,213)	
Rated Total Running Current	A		4.86	7.42 (2.33-8.36)	8.98 (2.35-23.13)	
Cooling EER	W/W		3.21	3.15	3.04	
Power supply	(V/Ph/Hz)		220-240/1/50			
Airflow	cfm/L/s		508 (240)	520 (245)	580 (274)	
Sound Level	dBa		41	43	46	
Unit weight	kg		26	15		
Unit Dimension	Height	mm/in	218/8.6			
	Width	mm/in	1,080/42.5			
	Depth	mm/in	630/24.8			
OUTDOOR UNIT						
Compressor Type			DC INVERTER ROTARY	DC INVERTER e-SCROLL		
Refrigerant			R410A ZERO OZONE DEPLETION POTENTIAL			
Weight			38	50		
Sound Level			dBa	48	53	56
Unit Dimension	Height	mm/in	540/21.3	757/29.8		
	Width	mm/in	700 (+70) / 27.6 (+2.8)	855 (+70) / 33.7 (+2.7)		
	Depth	mm/in	250/9.8	328/12.9		
Pipe Connection	Type		FLARE			
	Size	Liquid	mm/in	6.35/1/4		
		Gas	mm/in	12.7/1/2	15.8/5/8	

- 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 / +15.6°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.

