

#### Cooling

2,772 Btu/h – 23,000 Btu/h  
0.81 kW – 6.74 kW

#### Heating

2,699 Btu/h – 25,000 Btu/h  
0.79 kW – 7.03 kW



## DC **inverter** Ceiling Cassette

A5CKX10/15/20CR & A5CKX25AR

#### 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.

#### 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.

#### Compact design

The Acson DC inverter ceiling cassette has compact dimensions of 570mm x 570mm. The unit occupies a smaller space and easily fits into a standard 600mm ceiling tile.

#### Efficient

The Acson DC inverter ceiling cassette 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.

#### 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.

#### Anti corrosion coils

Fitted to both the indoor and outdoor units

#### Advanced technology

Incorporating fuzzy logic control into the Acson 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

#### Self diagnosis

Both indoor and outdoor LED error code indicators help to simplify the trouble shooting process. If a fault is detected during normal operation, the detect code will indicate the cause.



G12 Wireless  
(Standard)



A5LCX 10-25 CR  
(Outdoor Unit)

# R410A

# DC Inverter Ceiling Cassette Specifications R410A

MODELS		INDOOR UNIT	A5CKX10CR	A5CKX15CR	A5CKX20CR	A5CKX25AR
		OUTDOOR UNIT	A5LCX10CR	A5LCX15CR	A5LCX20CR	A5LCX25CR
Nominal Cooling Capacity	W		2,785 (812 - 3,272)	3,517 (812 - 4,430)	5,275 (1,465 - 5,862)	6,155 (1,465 - 6,741)
	Btu/h		9500 (2,772 - 11,165)	12,000 (2,772 - 15,114)	18,000 (5,000 - 20,000)	21,000 (5,000 - 23,000)
Nominal Heating Capacity	W		3,370 (791 - 4,588)	3810 (791 - 4,739)	5,568 (1,465 - 6,155)	6,448 (1,465 - 7,034)
	Btu/h		11,500 (2,699 - 15,655)	13,000 (2,699 - 16,170)	19,000 (5,000 - 21,000)	22,000 (5,000 - 25,000)
Rated Total Power Consumption (Cooling)	W		833 (252 - 1,048)	1,116 (278 - 1,595)	1,645 (526 - 1,885)	2,054 (529 - 5,213)
Rated Total Power Consumption (Heating)	W		943 (241 - 1,465)	1,073 (267 - 1,901)	1,645 (549 - 2,220)	2,076 (529 - 5,213)
Power Source	V/Ph/Hz		230 / 1 / 50			
Cooling EER			3.34	3.15	3.20	3.00
Heating COP			3.57	3.55	3.38	3.11
Refrigerant / Control			R410a Capillary Tube (Outdoor)			
<b>INDOOR UNIT</b>						
Fan	Airflow	High	cfm/L/s	400 / 189	410 / 194	450 / 212
Dimension (With Panel)	Height		mm/in	250 (295) / 9.8 (11.6)		335 (363) - 13.2 (14.3)
	Width		mm/in	570 (640) / 22.4 (25.2)		820 (930) - 32.2 (36.6)
	Depth		mm/in	571 (640) / 22.4 (25.2)		821 (930) - 32.2 (36.6)
Weight (Unit + Panel)			kg/lb	22 + 2 / 48.5 + 4.4	23 + 2 / 50.7 + 4.4	32 + 4 / 71 + 8.9
Sound Pressure Level (H/M/L)			dBa	44 / 43 / 42	44 / 42 / 41	42 / 39 / 37
Control	Room Temperature			Microcomputer Controlled Thermostat		
	Air Discharge			4 Way Automatic Louver (Up & Down)		
	Operation			Wireless or Wired LCD Remote Control		
Condensate Drain Size			mm/in	19.05 / 3/4		
Air Filter				Washable Saranet		
Packing Dimension (Panel)	Height		mm/in	317 (127) / 12.5 (5)		380 (130) / 15 (5.1)
	Width		mm/in	630 (700) / 24.8 (27.6)		920 (1020) / 36.2 (40.2)
	Depth		mm/in	631 (700) / 24.8 (27.6)		920 (1020) / 36.2 (36.6)
<b>OUTDOOR UNIT</b>						
Comp.	Compressor Type			DC Inverter Rotary		DC Inverter Scroll
Fan	Fan Type / Drive			Propeller / Direct		
	Blade Material			Glass Reinforced Acryl Styrene Resin		
Coil	Tube	Material		Seamless Copper Tube		
	Fin	Material		Aluminium Slit Fin		
	Thickness	mm/in		0.11 / 0.004		
Dimension	Height		mm/in	540 / 21.3		757 / 29.8
	Width		mm/in	700 / 27.6		855 / 33.7
	Depth		mm/in	250 / 9.8		328 / 12.9
Weight			kg	38 / 83.8		56 / 123.5
Casing	Material			Galvanised Mild Steel		
	Thickness		mm/in	0.2 - 2.0 / 0.02 - 0.08		
	Finishing			Epoxy Polyester Powder		
Sound Pressure Level			dBa	48		56
Pipe	Type			Flare Valve		
	Size	Liquid	mm/in	6.35 / 1/4		
		Gas	mm/in		12.70 / 1/2	
Refrigerant Charge			kg/lb	0.89 / 1.87	0.90 / 1.98	1.30 / 2.86
						1.40 / 3.08

- 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.

