

Cooling

3,700 Btu/h – 23,000 Btu/h
1.08 kW – 6.74 kW

Heating

4,000 Btu/h – 25,000 Btu/h
1.17 kW – 7.03 kW



DC *inverter* Wall Mount System

A5WMX 10/15/20/25 GR

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 DC inverter 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 small 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 Wall Mount Specifications R410A

MODELS	INDOOR UNIT	A5WMX 10GR A5LCX 10CR	A5WMX 15GR A5LCX 15CR	A5WMX 20GR A5LCX 20CR	A5WMX 25GR A5LCX 25CR		
Nominal Cooling Capacity	W	2,638 (1,084 - 3,517)	3,517 (1,084 - 4,396)	5,275 (1,465 - 5,862)	6,155 (1,465 - 6,741)		
	Btu/h	9,000 (3,700 - 12,000)	12,000 (3,700 - 15,000)	18,000 (5,000 - 20,000)	21,000 (5,000 - 23,000)		
Nominal Heating Capacity	W	3,370 (1,172 - 4,982)	4,103 (1,172 - 4,982)	5,568 (1,465 - 6,155)	6,448 (1,465 - 7,034)		
	Btu/h	11,500 (4,000 - 15,000)	14,000 (4,000 - 17,000)	19,000 (5,000 - 22,000)	22,000 (5,000 - 25,000)		
Rated Total Power Consumption (Cooling)	W	780 (300 - 1,100)	1,095 (300 - 1,780)	1,636	2,150		
Rated Total Power Consumption (Heating)	W	980 (290 - 1,680)	1,270 (290 - 1,950)	1,652	2,200		
Rated Total Running Current (Cooling)	A	3.8	5.4	7.9	11.3		
Rated Total Running Current (Heating)	A	4.8	6.3	8	11.8		
Power Source	V/Ph/Hz	220-240 / 1 / 50					
Refrigerant		R410A					
INDOOR UNIT							
Fan	Airflow	High	cfm/L/s	300 / 142	330 / 156	550 / 260	630 / 297
		Medium	cfm/L/s	250 / 118	260 / 123	440 / 208	500 / 236
		Low	cfm/L/s	200 / 94	210 / 99	370 / 175	420 / 198
	Fan Motor		4 poles x 17w		4 poles x 40w		
Input Power	W	38	40	60	75		
Running Current	A	0.2	0.2	0.3	0.4		
Coil	Tube	Material	Seamless Copper Tube				
		Diameter	mm/in	7.0 / 0.276			
		Thickness	mm/in	0.28 / 0.011			
	Fin	Material	Aluminium (Hydrophilic Slit Fin Type)				
		Thickness	mm/in	0.11 / 0.0043			
		Row		2			
Fin per inch		18					
Face Area	m ² /ft ²	0.193 / 2.08		0.269 / 2.900			
Dimension	Height	mm/in	260 / 10.2		304 / 12.0		
	Width	mm/in	899 / 35.4		1062 / 41.8		
	Depth	mm/in	198 / 7.8		220 / 8.7		
Weight	kg/lb	9.5 / 21		15 / 33.1			
Sound Pressure Level (H/M/L)	dBa	38 / 35 / 30	39 / 36 / 31	44 / 40 / 35	49 / 43 / 40		
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		20 / 0.79			
Air Filter		Saranet Filter + Ionizer + Deodorizer					
Packing Dimension	Height	mm/in	337 / 13.3		378 / 14.9		
	Width	mm/in	957 / 37.7		1130 / 44.5		
	Depth	mm/in	270 / 10.6		292 / 11.5		
OUTDOOR UNIT							
Comp.	Compressor Type	DC Brushless Scroll					
	Protection Device	Electronic Control					
	Fan Type / Drive	Propeller / Direct					
	Blade Material	Glass Reinforced Acryl Styrene Resin					
Fan	Diameter	mm/in	406 / 16.0		460 / 18.0		
	Rated Running Current	A	0.24	0.31	0.58		
	Motor Output	W	25	35	130		
	Rated Input Power	W	56	71	75		
Airflow	cfm/L/s	800 / 378	900 / 425	1500 / 708	1600 / 755		
Coil	Tube	Material	Seamless Copper Tube				
		Diameter	mm/in	7.0 / 0.276	7.0 / 0.276	7.0 / 0.276	
		Thickness	mm/in	0.32 / 0.013	0.32 / 0.013	0.32 / 0.013	
	Fin	Material	Aluminium Slit Fin				
		Thickness	mm/in	0.11 / 0.0043	0.11 / 0.0043	0.11 / 0.0043	
		Row		2			
Fin per inch		18					
Face Area	m ² /ft ²	0.36 / 3.94		0.62 / 6.67			
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 / 84		50 / 110			
Casing	Material	Galvanised Mild Steel					
	Thickness	mm/in	0.8 - 0.031				
	Finishing	Epoxy Polyester Powder					
Sound Pressure Level	dBa	47	52	53	56		
Pipe	Type	FLARE					
	Size	Liquid	mm/in	6.35 / 1/4	6.35 / 1/4	6.35 / 1/4	
	Gas	mm/in	6.35 / 1/4	12.7 / 1/2	15.8 / 5/8		
Packing Dimension	Height	mm/in	601 / 23.7		785 / 30.9		
	Width	mm/in	803 / 31.6		983 / 38.7		
	Depth	mm/in	320 / 12.6		405 / 15.9		
Refrigerant Charge	kg / lb	0.89 / 1.87	0.90 / 1.98	1.3 / 2.87	1.4 / 3.09		

- All specifications are subject to change by the manufacturer without prior notice
- All units are tested and comply with ISO 5151.
- Nominal cooling and heating capacities are based on the conditions below:
 - Cooling: +26.7°C DB / +19.4°C WB indoor and +35.0°C outdoor
 - Heating: +21.1°C DB / +15.6°C WB indoor and +8.3°C DB / +6.1°C WB outdoor
- 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.

