

AD-6 "M" Series

1/2 Ton (7,000 Btuh) 230V, 50 Hz

Features

✓ **Steel Cabinet**

Galvanized Coated Sheet metal cabinet
0.6-1.5 mm Thickness.

✓ **Cabinet Finish**

The cabinet is finished with a baked Polyester powder coating which provides high UV resistance and stands over 1000 hours of salt spray test (according to ASTM B117).

✓ **R-134A Refrigerant**

Designed with R134a (HFC) non-ozone depleting refrigerant.

✓ **Condenser Fan Cycling & High-Pressure Switch**

Provides protection to the compressor during high pressures and prevent low pressures due to cold ambient sessions.

✓ **Evaporator & Condenser coils**

Aluminum finned copper coils, Rifled tubing and enhanced louvered fin for maximum heat transfer.

✓ **Coil Coatings (optional)**

Nano coating with high heat transfer capabilities. Resist corrosion, saltwater and reduced dirt accumulation.
Salt spray test results are over 3,000 hours.

✓ **Liquid Line Filter Drier**

Protect refrigerant system against moisture and Dirt.

✓ **Compressor Crankcase Heater**

For better protection to the compressor due to possible refrigerant migration to compressor crankcase in off-cycle during low ambient temperatures.

✓ **Remote Access (Optional)**

The unit may be remotely access through RS-485, Modbus-RTU protocol where different type of parameters and commands are available to change and view such as set-points, alarms, resetting etc....



AD-6 "M" Series

1/2 Ton (7,000 Btuh) 230V, 50 Hz

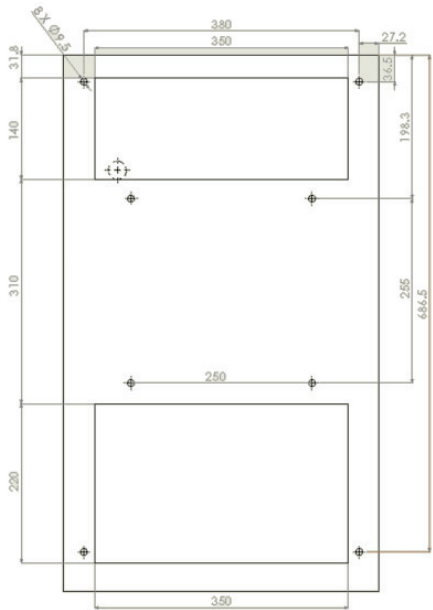
Specifications

Parameter	Units	Value	Deviation
Cooling Capacity ⁽²⁾	Watt (Btuh)	2060 (7025)	
COP	[]	3.25	
Air- Flow (Internal Loop)	m ³ /hr (CFM)	250 (147)	
Refrigerant	[]	R134a	
Rated Voltage	V	230	±10%
Frequency	Hz	50	
Power Consumption cooling	Watt	634	
Dimensions (Height, Width, Depth)	mm (Inch)	741 (29.17), 436 (17.18), 279 (10.98)	
Weight	kg (lb.)	48 (105.8)	

Notes:

- All specifications are based on a Preliminary Design and evaluation values and are subject to change after testing the real unit.
- Rating conditions: **Indoor 35° (95F), Outdoor 35°(95F)**

Cutout Dimensions for Installation



AD-12 "W" Series

1 TR (12,000 Btuh) 230V, 50 Hz

Features

✓ **Steel Cabinet**

Galvanized Coated Sheet metal cabinet 0.6-1.5 mm Thickness.

✓ **Cabinet Finish**

The cabinet is finished with a baked Polyester powder coating which provides high UV resistance and stands over 1000 hours of salt spray test (according to ASTM B117).

✓ **R-410A Refrigerant**

Designed with R410a (HFC) non-ozone depleting refrigerant.

✓ **Condenser Fan Cycling & High & Low-Pressure Switch**

Provides protection to the compressor during high pressures and prevent low pressures due to cold ambient sessions or lack of refrigerant.

✓ **Evaporator & Condenser Coils**

Aluminum finned copper coils, Rifled tubing and enhanced louvered fin for maximum heat transfer.

✓ **Coil Coatings (optional)**

Nano coating with high heat transfer capabilities. Resist corrosion, saltwater and reduced dirt accumulation.

Salt spray test results are over 3,000 hours.

✓ **Remote Access (Optional)**

The unit may be remotely access through RS-485, Modbus-RTU protocol where different type of parameters and commands are available to change and view such as set-points, alarms, resetting etc....



AD-12 "W" Series

1 TR (12,000 Btuh) 230V, 50 Hz

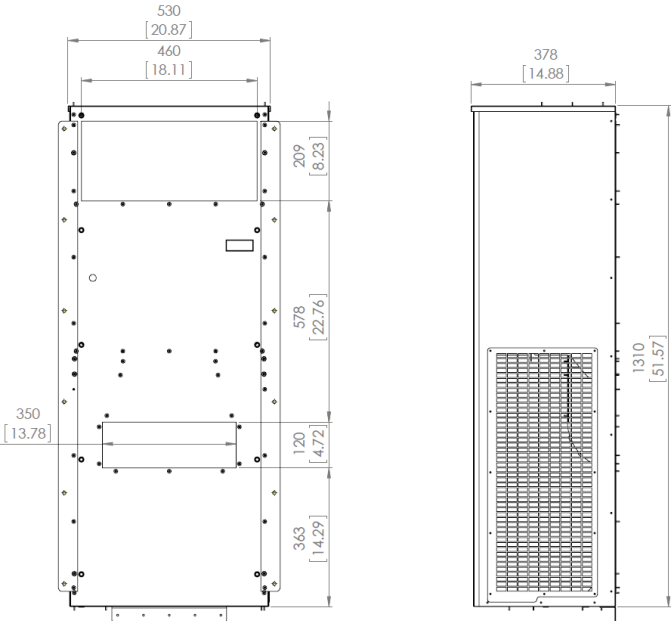
Specifications

Parameter	Units	Value	Deviation
Cooling Capacity ⁽²⁾	Watt (Btuh)	3372 (11,500)	
Air- Flow (Internal Loop)	m ³ /hr (CFM)	970 (570)	
Refrigerant	[]	R410a	
Rated Voltage	V	230	±10%
Frequency	Hz	50	
Power Consumption cooling	Watt	1408	
Dimensions (Height, Width, Depth)	mm (Inch)	1310 (51.57), 530 (20.87), 378 (14.88)	
Weight	kg (lb.)	80 (176.4)	

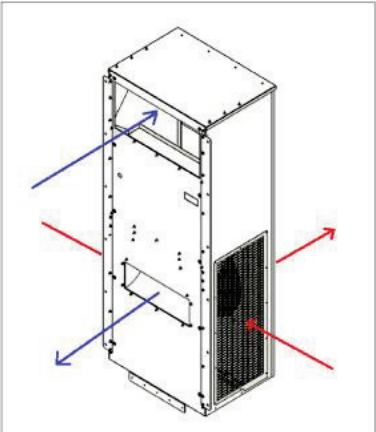
Notes:

1. Rating conditions: **Indoor 27° (95F), Outdoor 35°(95F)**

Dimensions for Installation



Internal and external air loop



Blue Arrow - Indoor Air loop
Red Arrow - Outdoor Air loop