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Environmental Control System
Model ECS-48V (185)

Performance

Cooling Capacity:	48,000 Btu/h (14 kW)	Total Heating Capacity	23,038 Btu/hr (9.0 kW)
Design Ambient Cooling:	131°F (55°C)	Minimum Ambient Heating:	-40°F (-40°C)
Minimum Ambient Cooling:	40° F (4.4°C)	Supply Air Flow Rate:	1500 CFM (42.5 CMM)
Design Return Air Temperature:	90°F (32.2°C) db 67°F (19.4°C) wb	Evaporator Static Pressure: Fresh Air Flow Rate:	1.0 Inch Water 40 CFM (1.13 CMM)

Characteristics

Refrigerant	R407c	Size (L x W x H):	52.37" x 25.87" x 73.00" 133.0 cm x 65.7 cm x 185.42 cm
Compressor	Hermetic Scroll Type		
Evaporator Coil:	Alum. Fin/Copper Tube	Frame & Panels:	Aluminum
Condenser Coil:	Alum. Micro-Channel	Weight:	560 lbs. (254.0 kg)
Circulating Fan:	Forward Curved Centrifugal	Fresh Air Intake:	Damper Controlled
Condenser Fan:	Propeller	Remote Control Panel:	Cool/Vent/Off/Heat Thermostat Temp Control

Electrical

Input Voltage:	208 VAC	Max Power Draw:	9.9 kW (Heat)
Number of Phases:	3Φ	Wires:	4-Wire
Frequency:	60 Hz	Control Power:	120 VAC – 1Φ– 60 Hz

Standard Features

- Sealed Motors
- Washable Metal Return Air Filter
- Insulated Evaporator Cabinet
- Refrigerant Access Valves
- Refrigerant Sight Glass
- Hot Gas Bypass (HGB)
- Bottom Supply Air Discharge

Specification Compliance

- ASHRAE 34 Designation and Classification of Refrigerant
- ASHRAE 37 Testing for Rating Unitary Air Conditioning
- MIL-DTL-53072 Chemical Agent Resistant Coating System
- MIL-F-14072 Finishes for Ground Based Electronic Equip.
- MIL-HDBK-1791 Design for Internal Aerial Delivery
- MIL-STD-130K Identification Marking of Military Prop.
- MIL-STD-461E Control of Electromagnetic Interference
- MIL-STD-810F (Air, Land, Rail and Sea Transportation)
- NFPA 70 National Electric Code

Options

- Finish to Specification
- Hour Meter
- Phase Monitor
- Coil Corrosion Protection (MIL-DTL-5541 Conversion Coating, Heresite, or Electrofin)

Please contact sales@milairinc.com for additional options and interface control drawing

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