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Environmental Control System
Model ECS-12H (101)

Performance

Cooling Capacity:	12,000 Btu/hr (3.5 kW)	Heating Capacity:	13,185 Btu/hr (3.9 kW)
Design Ambient Cooling:	120°F (48.9° C)	Minimum Ambient Heating:	-40°F (-40° C)
Minimum Ambient Cooling:	0° F (-18° C)	Supply Air Flow Rate:	800 CFM (22.7 CMM)
Design Return Air Temperature:	80°F (26.7° C) db 67°F (19.4° C) wb	Evaporator Static Pressure:	1.00 Inch Water
		Fresh Air Flow Rate:	(30 CFM Optional)

Characteristics

Refrigerant	R134a	Size (L x W x H):	28.0” x 30.0” x 20.5” 71.1 cm x 76.2 cm x 52.1 cm
Compressor	Hermetic Scroll Type		
Evaporator Coil:	Alum. Fin/Copper Tube	Weight:	215 lbs. (97.5 kg)
Condenser Coil:	Alum. Micro-Channel	Local Control Panel:	Vent/Off/Auto Thermostat Temp Control
Circulating Fan:	Motorized Impeller		
Condenser Fan:	Motorized Impeller		

Electrical

Input Voltage:	208 VAC	Max Power Draw:	3.9 kW (Heat)
Number of Phases:	3Φ	Wires:	4-Wire
Frequency:	60 Hz	Control Power:	24 VAC - 3Φ - 60 Hz

Standard Features

- Sealed Motors
- Washable Metal Return Air Filter
- Refrigerant Access Valves
- External Circuit Breaker Control
- Refrigerant Sight Glass
- Hot Gas Bypass (HGB)
- All Aluminum Construction
- Digital Temperature Display

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

- Hour Meter
- Finish to Specification
- Transit Cover
- Coil Corrosion Protection (MIL-DTL-5541 Conversion Coating, Heresite, or Electrofin)
- Remote Control Panel

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

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