Environmental Control System
Model ECS-24H (104)

Performance

Cooling Capacity (50 Hz):	22,800 Btu/h (6.7 kW)	Total Heating Capacity	17,075 Btu/hr (5.0 kW)
Cooling Capacity (60 Hz):	24,000 Btu/h (7.0 kW)	Minimum Ambient Heating:	-40°F (-40 C)
Design Ambient Cooling:	125°F (51.7^{o}C)	Supply Air Flow Rate:	1200 CFM (34 CMM)
Minimum Ambient Cooling:	-26° F (-32°C)	Evaporator Static Pressure:	.50 Inch Water
Design Return Air Temperature:	85°F (29.4^{o}C) db	Fresh Air Flow Rate:	30 CFM (.85 CMM)
	69.5°F (20.8 C) WB		

Characteristics

Refrigerant	R407c	Condenser Fan:	Propeller
Compressor	Hermetic Scroll Type	Size (L x W x H):	28.00" x 36.00" x 26.00"
Evaporator Coil:	Alum. Fin/Copper Tube		71.1 cm x 91.5 cm x 66.0 cm
Condenser Coil:	Alum. Micro-Channel	Weight:	270 lbs. (123 kg)
Circulating Fan:	Motorized Centrifugal	Remote Control Panel:	Cool/Vent/Off/Heat
			Thermostat Temp Control

Electrical

Input Voltage:	208 VAC	Max Power Draw:	5.6 kW (cooling 60 Hz)
Number of Phases:	3Φ	Wires:	4-Wire
Frequency:	50/60 Hz	Control Power:	28 VDC

Standard Features

- Sealed Motors
- Washable Metal Return Air Filter
- Refrigerant Access Valves
- Hour Meter
- Soft Start

- Refrigerant Sight Glass
- Hot Gas Bypass (HGB)
- All Aluminum Construction
- Transit Cover

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

- 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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