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Environmental Control System Model ECS-24H (1058)

Performance

Cooling Capacity (50 Hz): 22,000 Btu/h (6.4 kW)	Total Heating Capacity: 13,649 Btu/hr (4.0 kW)
Cooling Capacity (60 Hz): 24,500 Btu/h (7.2 kW)	Minimum Ambient Heating: -4°F (-20°C)
Design Ambient Cooling: 131°F (55°C)	Supply Air Flow Rate: 800 CFM (22.7 CMM)
Minimum Ambient Cooling: 40°F (4.4°C)	Evaporator Static Pressure: .75 Inch Water
Design Return Air Temperature: 88°F (31.1°C) db	Fresh Air Flow Rate: 40 CFM (1.13 CMM)

Characteristics

Refrigerant: R407c	Condenser Fan: Propeller
Compressor: Hermetic Scroll Type	Size (L x W x H): 36.00" x 40.00" x 22.06"
Evaporator Coil: Alum. Fin/Copper Tube	91.5 cm x 101.6 cm x 56.0 cm
Condenser Coil: Alum. Micro-Channel	Weight: 365 lbs. (165.6 kg)
Circulating Fan: Motorized Centrifugal	Remote Control Panel: Cool/ Vent/Off/Heat Thermostat Temp Control

Electrical

Input Voltage: 230 VAC	Max Power Draw: 5.0 kW (50 Hz)
Number of Phases: 1Φ	Wires: 3-Wire
Frequency: 50/60 Hz	Control Power: 120 VAC

Standard Features

- Sealed Motors
- Washable Metal Return Air Filter
- Refrigerant Access Valves
- 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
- Hour Meter
- Coil Corrosion Protection (MIL-DTL-5541 Conversion Coating, Heresite, or Electrofin)

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