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Environmental Control System
Model ECS-36H (424)

Performance

Cooling Capacity (60 Hz):	36,000 Btu/h (10.6 kW)	Total Heating Capacity	13,649 Btu/hr (4.0 kW)
Design Ambient Cooling:	131°F (55° C)	Minimum Ambient Heating:	-40°F (-40° C)
Minimum Ambient Cooling:	0° F (-18° C)	Supply Air Flow Rate:	1200 CFM (34 CMM)
Design Return Air Temperature:	90°F (32.2° C) db	Evaporator Static Pressure:	.25 Inch Water
Relative Humidity:	70% RH (Max)	Fresh Air Flow Rate:	40 CFM (1.1 CMM)

Characteristics

Refrigerant	R407c	Size (L x W x H):	36.00” x 40.00” x 22.06” 91.5 cm x 101.6 cm x 56.0 cm
Compressor	Hermetic Scroll Type		
Evaporator Coil:	Alum. Fin/Copper Tube	Frame & Panels:	Aluminum
Condenser Coil:	Alum. Micro-Channel	Weight:	365 lbs. (166 kg)
Circulating Fan:	Motorized Centrifugal	Control Panel:	Cool/Vent/Off/Heat Thermostat Temp Control
Condenser Fan:	Propeller		

Electrical

Input Voltage:	208/230 VAC	Max Power Draw:	7.7 kW (Cooling)
Number of Phases:	1Φ	Wires:	3-Wire
Frequency:	50/60 Hz	Control Power:	230 VAC & 15 Volt VDC

Standard Features

- Sealed Motors
- Washable Metal Return Air Filter
- Remote Control Panel
- 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

- Hour Meter
- 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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