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Environmental Control System Model ECS-84V (274)

Performance

Cooling Capacity:	84,000 Btu/h (24.6 kW)	Total Heating Capacity	17,064 Btu/hr (5.0 kW)
Design Ambient Cooling:	125°F (51.7°C)	Minimum Ambient Heating:	-40°F (-40°C)
Minimum Ambient Cooling:	40°F (4.4°C)	Supply Air Flow Rate:	2300 CFM (65.1 CMM)
Design Return Air Temperature:	95°F (35°C) db	Evaporator Static Pressure:	0.75 Inch Water
	67°F (19.4°C) wb	Fresh Air Flow Rate:	40 CFM (1.13 CMM)

Characteristics

Refrigerant	R407c	Size (L x W x H):	70.0" x 30.0" x 59.0"
Compressor	Hermetic Scroll Type		177.8 cm x 76.2 cm x 149.9 cm
Evaporator Coil:	Alum. Fin/Copper Tube	Frame & Panels:	Aluminum
Condenser Coil:	Alum. Micro-Channel	Weight:	790 lbs. (358.3 kg)
Circulating Fan:	Centrifugal	Remote Control Panel:	Cool/Vent/Off/Heat
Condenser Fan:	Propeller		Thermostat Temp Control
			Fault Indicator

Electrical

Input Voltage:	208 VAC	Max Power Draw:	16.3 kW (Cooling)
Number of Phases:	3Φ	Wires:	5-Wire
Frequency:	60 Hz	Control Power:	120 VAC – 1Φ – 60 Hz

Standard Features

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| <ul style="list-style-type: none"> • Sealed Motors • Insulated Evaporator Cabinet • Refrigerant Access Valves • Lifting Rings | <ul style="list-style-type: none"> • Refrigerant Sight Glass • Hot Gas Bypass (HGB) • Hour Meter |
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Specification Compliance

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| <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • 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 |
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Options

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| <ul style="list-style-type: none"> • Finish to Specification • Control Unit to Specification • Phase Monitor | <ul style="list-style-type: none"> • Coil Corrosion Protection (MIL-DTL-5541 Conversion Coating, Heresite, or Electrofin) |
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Please contact sales@milairinc.com for additional options and interface control drawing