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Environmental Control System
Model ECS-120V (219C)

Performance

Cooling Capacity:	120,000 Btu/h (35.2 kW)	Total Heating Capacity	37,533 Btu/hr (11 kW)
Design Ambient Cooling:	120°F (48.9°C)	Minimum Ambient Heating:	-40°F (-40°C)
Minimum Ambient Cooling:	40° F (4.4°C)	Supply Air Flow Rate:	3100 CFM (87.8 CMM)
Design Return Air Temperature:	95°F (35°C) db 67°F (19.4°C) wb	Evaporator Static Pressure: Fresh Air Flow Rate:	7 Inch Water 0 - 40 CFM (1.13 CMM)

Characteristics

Refrigerant	R407c	Size (L x W x H):	38.0” x 42.0” x 82.5” 96.5 cm x 106.7 cm x 209.6 cm
Compressor	Hermetic Scroll Type		
Evaporator Coil:	Alum. Fin/Copper Tube	Frame & Panels:	Aluminum
Condenser Coil:	Alum. Micro-Channel	Weight:	998 lbs. (452.7 kg)
Circulating Fan:	Centrifugal	Remote Control Panel:	Cool/Vent/Off/Heat Thermostat Temp Control Fault Indicator
Condenser Fan:	Propeller		

Electrical

Input Voltage:	208 VAC	Max Power Draw:	18.7 kW
Number of Phases:	3Φ	Wires:	5-Wire
Frequency:	60 Hz	Control Power:	24 VAC

Standard Features

- Sealed Motors
- Insulated Evaporator Cabinet
- Refrigerant Access Valves
- Lifting Rings
- Fork Pockets
- Refrigerant Sight Glass
- Hot Gas Bypass (HGB)
- Hour Meter

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
- Control Unit to Specification
- Phase Monitor
- Coil Corrosion Protection (MIL-DTL-5541 Conversion Coating, Heresite, or Electrofin)
- Electric Resistance Heating

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

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