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## Vertical Environmental Control System Model ECS-84V (2420)

### Performance

Cooling Capacity:	84,000 Btu/h (24.6 kW)	Total Heating Capacity	15,355 Btu/hr (4.5 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 67°F (19.4°C) wb	Evaporator Static Pressure:	0.75 Inch Water
		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" 177.8 cm x 76.2 cm x 149.9 cm
Compressor	Hermetic Scroll Type	Frame & Panels:	Aluminum
Evaporator Coil:	Alum. Fin/Copper Tube	Weight:	790 lbs. (358.3 kg)
Condenser Coil:	Alum. Micro-Channel	Remote Control Panel:	Cool/Vent/Off/Heat Thermostat Temp Control Power/Fault Indicator
Circulating Fan:	Centrifugal		
Condenser Fan:	Propeller		

### Electrical

Input Voltage:	120/208 VAC	Max Power Draw:	16.3 kW (Cooling)
Number of Phases:	3Φ	Wires:	4-Wire + GND
Frequency:	60 Hz	Control Power:	120 VAC – 1Φ– 60 Hz

### Standard Features

- Sealed Motors
- Insulated Evaporator Cabinet
- Refrigerant Access Valves
- Lifting Rings
- 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-810F (Air, Land, Rail and Sea Transportation)
- NFPA 70 National Electric Code

### Options

- Finish to Specification
- Control Unit to Specification
- Local Control Panel
- Electrofin® Coil Corrosion Protection

Please contact [sales@milairinc.com](mailto:sales@milairinc.com) for additional information and options.