

ENVIRONMENTAL CONTROL SYSTEM

Vertical environmental control system

/ Model
ECS-84V (2420L)



/ 84,000 Btu/h
(24.6 kW)

Cooling Capacity

/ 125 °F
(51.7 °C)

Design Ambient Cooling

/ 40 °F
(4.4 °C)

Minimum Operating Ambient

These units have been designed and tested for use on shelters, vans, and trailers that are subject to demanding transport and environmental conditions. All systems can be modified to meet your specific requirements.

MilAIR's standard product line of unitary externally mounted vertical systems provide complete environmental control including cooling, heating, ventilation, dehumidification, and filtering.

Please contact sales@milairinc.com for additional information and options.

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Standard Features

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

Options

- Finish to Specification
- Coil Corrosion Protection

Characteristics

Refrigerant	R407c
Compressor	Hermetic Scroll Type
Evaporator Coil	Alum. Fin/Copper Tube
Condenser Coil	Alum. Micro-Channel
Circulating Fan	Centrifugal
Condenser Fan	Propeller
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
Frame & Panels	Aluminum
Weight	790 lbs. (358.3 kg)
Local Control Panel	Cool/Vent/Off/Heat Thermostat Temp Control Power/Fault Indicator

Performance

Cooling Capacity	84,000 Btu/h (24.6 kW)
Design Ambient Cooling	125 °F (51.7 °C)
Minimum Ambient Cooling	40 °F (4.4 °C)
Design Return Air Temperature	95 °F (35 °C) db 67 °F (19.4 °C) wb
Total Heating Capacity	15,355 Btu/hr (4.5 kW)
Minimum Ambient Heating	-40 °F (-40 °C)
Supply Air Flow Rate	2300 CFM (65.1 CMM)
Evaporator Static Pressure	0.75 Inch Water
Fresh Air Flow Rate	40 CFM (1.13 CMM)

Electrical

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

Trusted Partner.

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