

ENVIRONMENTAL CONTROL SYSTEM

Vertical environmental control system

/ Model
ECS-120V (219C)

MilAIR



/ 120,000 Btu/h
(35.2 kW)

Cooling Capacity

/ 120 °F
(48.9 °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.

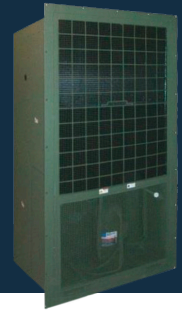
MilAIR's standard product line of unitary externally mounted vertical systems provide complete environmental control including cooling, heating, ventilation, dehumidification, and filtering.

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
- Fork Pockets
- Refrigerant Sight Glass
- Hot Gas Bypass (HGB)
- Hour Meter

Options

- Finish to Specification
- Control Unit to Specification
- Coil Corrosion Protection
- Phase Monitor

Characteristics

Refrigerant	R407c
Compressor	Hermetic Scroll Type
Evaporator Coil	Alum. Fin/Copper Tube
Condenser Coil	Alum. Micro-Channel
Circulating Fan	Motorized Impeller
Condenser Fan	Propeller
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
Frame & Panels	Aluminum
Weight	998 lbs. (452.7 kg)
Remote Control Panel	Cool/Vent/Off/Heat Thermostat Temp Control Fault Indicator

Performance

Cooling Capacity	120,000 Btu/h (35.2 kW)
Design Ambient Cooling	120 °F (48.9 °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	37,533 Btu/hr (11 kW)
Minimum Ambient Heating	-40 °F (-40 °C)
Supply Air Flow Rate	3100 CFM (87.8 CMM)
Evaporator Static Pressure	3.25 W.G.
Fresh Air Flow Rate	0 - 40 CFM (1.13 CMM)

Electrical

Input Voltage	120/208 VAC
Number of Phases	3Φ
Frequency	60 Hz
Max Power Draw	18.7 kW
Wires	4-Wire + GND
Control Power	24 VAC

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