

ENVIRONMENTAL CONTROL SYSTEM

# Vertical environmental control system

/ Model  
ECS-18V (198)



/ 18,000 Btu/h  
(5.3 kW)

Cooling Capacity

/ 120 °F  
(48.9 °C)

Design Ambient Cooling

/ 50 °F  
(10 °C)

Minimum Ambient Cooling

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

## Vertical environmental control system

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### Standard Features

- Sealed Motors
- Washable Metal Return Air Filter
- Hour Meter
- Refrigerant Access Valves
- Refrigerant Sight Glass
- Hot Gas Bypass (HGB)
- Storage/Transport Covers (aluminum)

### Options

- Finish to Specification
- Coil Corrosion Protection

### Characteristics

Refrigerant	R134a
Compressor	Hermetic Scroll Type
Evaporator Coil	Alum. Fin/Copper Tube
Condenser Coil	Alum. Micro-Channel
Circulating Fan	Motorized Impeller
Condenser Fan	Motorized Impeller
Size (L x W x H)	32.00" x 14.00" x 40.00" 81.3 cm x 35.6 cm x 101.6 cm
Frame & Panels	Aluminum
Weight	210 lbs. (95 kg)
Local Control Panel	Cool/Vent/Off/Heat Thermostat Temp Control

### Performance

Cooling Capacity	18,000 Btu/h (5.3 kW)
Design Ambient Cooling	120 °F (48.9 °C)
Minimum Ambient Cooling	50 °F (10 °C)
Design Return Air Temperature	80 °F (26.7 °C) db 67 °F (19.4 °C) wb
Total Heating Capacity	17,070 Btu/hr (5.0 kW)
Minimum Ambient Heating	-40 °F (-40 °C)
Supply Air Flow Rate	650 CFM (18.4 CMM)
Evaporator Static Pressure	0 Inch Water
Fresh Air Flow Rate	0-30 CFM (.85 CMM)

### Electrical

Input Voltage	208 VAC
Number of Phases	3Φ
Frequency	60 Hz
Max Power Draw	4.26 kW (Cooling)
Wires	3-Wire + GND
Control Power	120 VAC – 1Φ – 60 Hz

### Trusted Partner.

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