

ENVIRONMENTAL CONTROL SYSTEM

Vertical environmental control system

/ Model
ECS-48V (185)



/ 48,000 Btu/h
(14 kW)

Cooling Capacity

/ 131 °F
(55 °C)

Design Ambient Cooling

/ 40 °F
(4.4 °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 for additional information and options.

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Standard Features

- Sealed Motors
- Washable Metal Return Air Filter
- Insulated Evaporator Cabinet
- Refrigerant Access Valves
- Refrigerant Sight Glass
- Hot Gas Bypass (HGB)
- Bottom Supply Air Discharge

Options

- Finish to Specification
- Hour Meter
- Phase Monitor
- 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) | 52.37" x 25.87" x 73.00" 133.0 cm x 65.7 cm x 185.42 cm |
| Frame & Panels | Aluminum |
| Weight | 560 lbs. (254.0 kg) |
| Fresh Air Intake | Damper Controlled |
| Remote Control Panel | Cool/Vent/Off/Heat Thermostat Temp Control |

Performance

| | |
|-------------------------------|--|
| Cooling Capacity | 48,000 Btu/h (14 kW) |
| Design Ambient Cooling | 131 °F (55 °C) |
| Minimum Ambient Cooling | 40 °F (4.4 °C) |
| Design Return Air Temperature | 90 °F (32.2 °C) db 67 °F (19.4 °C) wb |
| Total Heating Capacity | 23,038 Btu/hr (9.0 kW) |
| Minimum Ambient Heating | -40 °F (-40 °C) |
| Supply Air Flow Rate | 1500 CFM (42.5 CMM) |
| Evaporator Static Pressure | 1.0 Inch Water |
| Fresh Air Flow Rate | 40 CFM (1.13 CMM) |

Electrical

| | |
|------------------|---------------------|
| Input Voltage | 208 VAC |
| Number of Phases | 3Φ |
| Frequency | 60 Hz |
| Max Power Draw | 9.9 kW (Heat) |
| Wires | 3-Wire + GND |
| Control Power | 120 VAC – 1Φ– 60 Hz |

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