



20844 Harper Avenue, Suite 300  
 Harper Woods, MI 48225  
 Phone: 513-576-0123  
 www.milairinc.com

## Environmental Control System Model ECS-48V (185)

### Performance

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

### Characteristics

Refrigerant: R407c	Size (L x W x H): 52.37" x 25.87" x 73.00"
Compressor: Hermetic Scroll Type	133.0 cm x 65.7 cm x 185.42 cm
Evaporator Coil: Alum. Fin/Copper Tube	Frame & Panels: Aluminum
Condenser Coil: Alum. Micro-Channel	Weight: 560 lbs. (254.0 kg)
Circulating Fan: Forward Curved Centrifugal	Fresh Air Intake: Damper Controlled
Condenser Fan: Propeller	Remote Control Panel: Cool/Vent/Off/Heat Thermostat Temp Control

### Electrical

Input Voltage: 208 VAC	Max Power Draw: 9.9 kW (Heat)
Number of Phases: 3Φ	Wires: 4-Wire
Frequency: 60 Hz	Control Power: 120 VAC – 1Φ– 60 Hz

### 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

### 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-461E Control of Electromagnetic Interference
- MIL-STD-810F (Air, Land, Rail and Sea Transportation)
- NFPA 70 National Electric Code

### Options

- Finish to Specification
- Hour Meter
- Phase Monitor
- Coil Corrosion Protection (MIL-DTL-5541 Conversion Coating, Heresite, or Electrofin)

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