



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

## Environmental Control System Model ECS-36V (312)

### Performance

Cooling Capacity: 36,000 Btu/h (10.6 kW) Design Ambient Cooling: 131°F (55°C) Maximum Operating Ambient: 140°F (60°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: 17,070 Btu/hr (5.0 kW) Minimum Ambient Heating: -22°F (-30°C) Supply Air Flow Rate: 1200 CFM (34 CMM) Evaporator Static Pressure: .25 Inch Water Fresh Air Flow Rate: 40 CFM (1.13 CMM)
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### Characteristics

Refrigerant: R407c Compressor: Hermetic Scroll Type Evaporator Coil: Alum. Fin/Copper Tube Condenser Coil: Alum. Micro-Channel Circulating Fan: Forward Curved Centrifugal Condenser Fan: Propeller	Size (L x W x H): 40.00" x 21.97" x 72.55" 101.6 cm x 55.8 cm x 184.3 cm Frame & Panels: Aluminum Weight: 443 lbs. (200.94 kg) Fresh Air Intake: Damper Controlled Control Panel: Remote Thermostat
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### Electrical

Input Voltage: 208 VAC Number of Phases: 3Φ Frequency: 50 Hz	Max Power Draw: 9.0 kW Wires: 5-Wire Control Power: 24 VAC – 1Φ– 50 Hz
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### Standard Features

- Sealed Motors
- Hour Meter
- Washable Metal Return Air Filter
- Programmable Remote Thermostat
- Insulated Evaporator Cabinet
- Refrigerant Access Valves
- Refrigerant Sight Glass
- Phase Monitor
- Hot Gas Bypass (HGB)
- All Aluminum Construction

### 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
- 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