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

Environmental Control System
Model ECS-18V (198)

Performance

Cooling Capacity (60 Hz):	18,000 Btu/h (5.3 kW)	Total Heating Capacity	17,070 Btu/hr (5.0 kW)
Design Ambient Cooling:	120°F (48.9° C)	Minimum Ambient Heating:	-40°F (-40° C)
Minimum Ambient Cooling:	50° F (10° C)	Supply Air Flow Rate:	650 CFM (18.4 CMM)
Design Return Air Temperature:	80°F (26.7° C) db 67°F (19.4° C) wb	Evaporator Static Pressure: Fresh Air Flow Rate:	Free Air 0-30 CFM (.85 CMM)

Characteristics

Refrigerant	R134a	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
Compressor	Hermetic Scroll Type		
Evaporator Coil:	Alum. Fin/Copper Tube	Frame & Panels:	Aluminum
Condenser Coil:	Alum. Micro-Channel	Weight:	210 lbs. (95 kg)
Circulating Fan:	Motorized Centrifugal	Local Control Panel:	Cool/Vent/Off/Heat Thermostat Temp Control
Condenser Fan:	Motorized Axial Ring		

Electrical

Input Voltage:	208 VAC	Max Power Draw:	4.26 kW (Cooling)
Number of Phases:	3Φ	Wires:	5-Wire
Frequency:	60 Hz	Control Power:	120 VAC - 1Φ – 60 Hz

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)

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 for additional options and interface control drawing

© 2013 MilAIR LLC