



44215 Phoenix Drive
Sterling Heights, Michigan 48314
Phone: (586) 737-2100
www.milairinc.com

Vertical Environmental Control System

Model ECS-18V (198)

Performance

Cooling Capacity:	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	Evaporator Static Pressure:	Free Air
	67°F (19.4° C) wb	Fresh Air Flow Rate:	0-30 CFM (.85 CMM)

Characteristics

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

Electrical

Input Voltage:	208 VAC	Max Power Draw:	4.26 kW (Cooling)
Number of Phases:	3Φ	Wires:	3-Wire + GND
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-810F (Air, Land, Rail and Sea Transportation)
- NFPA 70 National Electric Code

Options

- Finish to Specification
- Electrofin® Coil Corrosion Protection

Please contact sales@milairinc.com for additional information and options.