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## Environmental Control System Model ECS-18H (124)

### Performance

Cooling Capacity:	18,000 Btu/hr (5.3 kW)	Heating Capacity:	13,185 Btu/hr (3.9 kW)
Design Ambient Cooling:	125°F (52°C)	Minimum Ambient Heating:	-40°F (-40°C)
Minimum Ambient Cooling:	0°F (-18°C)	Supply Air Flow Rate:	590 CFM (16.7 CMM)
Design Return Air Temperature:	90°F (32°C) db 69.5°F (20.8°C) wb	Evaporator Static Pressure:	.25 Inch Water
		Fresh Air Flow Rate:	20 CFM (.57 CMM)

### Characteristics

Refrigerant	R410a	Condenser Fan:	Propeller
Compressor	Hermetic Scroll Type	Size (L x W x H):	30.0" x 28.0" x 20.0"
Evaporator Coil:	Alum. Fin/Copper Tube		76.2 cm x 71.1 cm x 50.8 cm
Condenser Coil:	Alum. Micro-Channel	Weight:	275 lbs. (124.7 kg)
Circulating Fan:	Motorized Centrifugal	Control Panel:	Cool/Vent/Off/Heat Thermostat Temp Control

### Electrical

Input Voltage:	208 VAC	Max Power Draw:	3.9 kW (cooling)
Number of Phases:	3Φ	Wires:	5-Wire
Frequency:	60 Hz	Control Power:	24 VAC – 1Φ – 60 Hz

### Standard Features

- Sealed Motors
- Washable Metal Return Air Filter
- Refrigerant Access Valves
- External Circuit Breaker
- Refrigerant Sight Glass
- Hot Gas Bypass (HGB)
- All Aluminum Construction
- Transit Cover
- Front and Rear Power Connectors
- Local/Remote Control Panel

### 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
- 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