



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

Environmental Control System Model ECS-18H (124)

Performance

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

Characteristics

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

Electrical

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

Standard Features

- | | |
|---|---|
| <ul style="list-style-type: none"> • Sealed Motors • Washable Metal Return Air Filter • Refrigerant Access Valves • External Circuit Breaker • Refrigerant Sight Glass | <ul style="list-style-type: none"> • Hot Gas Bypass (HGB) • All Aluminum Construction • Transit Cover • Front and Rear Power Connectors • Local/Remote Control Panel |
|---|---|

Specification Compliance

- | | |
|---|--|
| <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • 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

- | | |
|---|--|
| <ul style="list-style-type: none"> • Finish to Specification • Hour Meter | <ul style="list-style-type: none"> • Coil Corrosion Protection (MIL-DTL-5541 Conversion Coating, Heresite, or Electrofin) |
|---|--|

Please contact sales@milairinc.com for additional options and interface control drawing