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

Environmental Control System Model ECS-18S (120)

Performance

Cooling Capacity (60 Hz):	18,500 Btu/h (5.4 kW)	Total Heating Capacity:	11,950 Btu/hr (3.5 kW)
Design Ambient Cooling:	120°F (48.9°C)	Minimum Ambient Heating:	-65°F (-54°C)
Minimum Ambient Cooling:	32° F (0°C)	Supply Air Flow Rate:	550 CFM (15.6 CMM)
Design Return Air Temperature:	90° F (32°C) db	Evaporator Static Pressure:	Free Air Discharge

Characteristics

Refrigerant	R407C	Cond. Size (L x W x H):	30”H x 24”W x 20”D 76.2 cm x 60.9 cm x 50.8 cm
Compressor	Hermetic Scroll Type		
Evaporator Coil:	Alum. Fin/Copper Tube	Evap. Size (L x W x H):	22” x 22.5” x 10” 55.9 cm x 57.2 cm x 25.4 cm
Condenser Coil:	Alum. Fin/Copper Tube		
Circulating Fan:	Centrifugal	Condenser Weight:	150 lbs. (68 kg)
Condenser Fan:	Centrifugal	Evaporator Weight:	65 lbs. (29.5 kg)

Electrical

Input Voltage:	230	Max Power Draw:	4.2 kW
Number of Phases:	1Φ	Wires:	3-Wire
Frequency:	50/60 Hz	Control Power:	230 VAC

Standard Features

- Sealed Motors
- Washable Metal Return Air Filter
- Evaporator/Condenser Interconnect Power Cable
- Pre-charged Interconnect fluid lines
- Refrigerant Access Valves
- Refrigerant Sight Glass
- Soft Start
- 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

- Shelter Interface Mounting Adapter
- 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

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