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

Environmental Control System
Model ECS-20T (147)

Performance

Cooling Capacity:	20,000Btu/h (5.9 kW)	Total Heating Capacity	20,478 Btu/hr (6.0 kW)
Design Ambient Cooling:	122°F (50°C)	Minimum Ambient Heating:	-40°F (-40°C)
Minimum Ambient Cooling:	50° F (10°C)	Supply Air Flow Rate:	800 CFM (22.7 CMM)
Design Return Air Temperature:	90° F (32.2°C) db	Evaporator Static Pressure:	.25 Inch Water

Characteristics

Refrigerant	R407c	Size (L x W x H):	30.00” x 33.00” x 20.00” 76.2 cm x 83.8 cm x 50.8 cm
Compressor	Hermetic Scroll Type		
Evaporator Coil:	Alum. Fin/Copper Tube	Frame & Panels:	Aluminum
Condenser Coil:	Alum. Micro-Channel	Weight:	250 lbs. (113.4 kg)
Circulating Fan:	Motorized Impeller	Remote Control Panel:	Cool/Vent/Off/Heat Thermostat Temp Control Fault Indicator
Condenser Fan:	Propeller		

Electrical

Input Voltage:	240 VAC	Max Power Consumption:	6.5 kW (Heat)
Number of Phases:	1Φ	Wires:	4-Wire
Frequency:	60 Hz	Control Power:	120 VAC - 1Φ – 60 Hz

Standard Features

- Sealed Motors
- Refrigerant Access Valves
- Remote Control Cable (30 ft.)
- Retractable Lift Handles (4)
- Supply/Return Flex Ducts, 10” Dia. x 6 ft. long
- Washable Metal Return Filter
- Refrigerant Sight Glass

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
- Remote Backdraft Damper for N+1 Configuration
- Power Cable
- Four-Wheeled Transport Cart
- Coil Corrosion Protection (MIL-DTL-5541 Conversion Coating, Heresite, or Electrofin)
- N+1 Remote Controller
- Fresh Air Intake

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

© 2013 MilAIR LLC