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Environmental Control System Model ECS-05TC (1353)

Performance

Cooling Capacity (60 Hz):	5,000 Btu/h (1.47 kW)	Total Heating Capacity:	1,705 Btu/h (.5 kW)
Design Ambient Cooling:	120° F (48.9°C)	Minimum Ambient Heating:	-40° F (-40° C)
Design Return Air Temperature:	90° F (32°C) db	Evaporator Static Pressure:	Free Air Discharge
Supply Air Flow Rate:	200 CFM (5.7 CMM)	Noise Level (Condenser):	68 dB (A) @ 5 ft.

Characteristics

Refrigerant	R134a	Cond. Size (L x W x H):	20.00" x 17.00" x 6.18" 50.8 cm x 43.2 cm x 15.7 cm
Compressor	Hermetic Rotary Type	Evap. Size (L x W x H):	29.00" x 17.50" x 4.00" 73.7 cm x 44.5 cm x 10.1 cm
Evaporator Coil:	Alum. Fin/Copper Tube		
Condenser Coil:	Alum. Micro-Channel	System Weight:	79 lbs. (36 kg)
Circulating Fan:	Motorized Impeller		
Condenser Fan:	Motorized Impeller		

Electrical

Input Voltage:	28 VDC	Power Input Connector:	MS3102R
Max Power Draw:	600 Watts		

Standard Features

- Rack Mounted Evaporator (3RU)
- Sealed Motors
- Evaporator/Condenser Interconnect Power Cable
- Interconnect Fluid Lines
- Refrigerant Access Valves
- Refrigerant Sight Glass
- 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

- Finish to Specification
- Molded Plastic Transit Rack Case
- Aluminum Transit Rack Case (EMI Shielding Available)
- 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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