

ENVIRONMENTAL CONTROL SYSTEM

Transit case environmental control system

/ Model
ECS-05TC (1353)

MilAIR



/ 5,000 Btu/h
(1.47 kW)

Cooling Capacity

/ 120 °F
(48.9 °C)

Design Ambient Cooling

/ 90 °F
(32 °C) db

Design Return Air Temperature

All systems can be
modified to meet your
specific requirements.

MilAIR's standard product line of Transit Case Systems are specifically designed for cooling electronics packaged in cases and electronic enclosures. The vapor compression systems are available in split and ducted configurations, both providing a dust and moisture free environment.

Please contact sales@milairinc.com
for additional information and options.

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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

Options

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

Characteristics

Refrigerant	R134a
Compressor	Hermetic Rotary Type
Evaporator Coil	Alum. Fin/Copper Tube
Condenser Coil	Alum. Micro-Channel
Circulating Fan	Motorized Impeller
Condenser Fan	Motorized Impeller
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
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
ECU Weight	79 lbs. (36 kg)

Performance

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

Electrical

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

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