

ENVIRONMENTAL CONTROL SYSTEM

Transit case environmental control system

/ Model
ECS-04TC (337)



/ 4,200 Btu/h
(1.24 kW)

Cooling Capacity (60 Hz)

/ 3,500 Btu/h
(1.03 kW)

Cooling Capacity (50 Hz)

/ 125 °F
(51.7 °C)

Design Ambient Cooling

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

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

Options

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

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) (Rack Mounted 3RU)	29.00" x 17.50" x 4.00" 73.7 cm x 44.5 cm x 10.1 cm
System Weight	79 lbs. (36 kg)

Performance

Cooling Capacity (60 Hz)	4,200 Btu/h (1.24 kW)
Cooling Capacity (50 Hz)	3,500 Btu/h (1.03 kW)
Design Ambient Cooling	125 °F (51.7 °C)
Design Return Air Temperature	90 °F (32 °C) db
Total Heating Capacity	1,705 Btu/h (.5 kW)
Supply Air Flow Rate	200 CFM (5.7 CMM)
Evaporator Static Pressure	Free Air Discharge
Noise Level (Condenser)	68 dB (A) @ 5 ft.

Electrical

Input Voltage	230 VAC
Number of Phases	1Φ
Frequency	50/60 Hz
Max Power Draw	630 Watts
Wires	2-Wire + GND

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