

ENVIRONMENTAL CONTROL SYSTEM

Top-mounted environmental control system

/ Model
ECS-04H (1930)

MilAIR



/ 4,305 Btu/h
(1.3 kW)

Cooling Capacity (60 Hz)

/ 120 °F
(48.9 °C)

Design Ambient Cooling

/ 35 °F
(1.7 °C)

Minimum Ambient Cooling

These units have been designed and tested for use on shelters, vans, and trailers that are subject to demanding transport and environmental conditions. All systems can be modified to meet your specific requirements.

MilAIR's standard product line of unitary externally mounted horizontal systems provide complete environmental control including cooling, heating, ventilation, dehumidification, and filtering.

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

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/ Model

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Standard Features

- Color Touch Screen HMI
- Fault Monitoring and Alarms
- Operating/Alarm Indicator lights
- Remote Control/Monitoring by Ethernet
- Low Ambient Capacity Control
- Push Button Mode Control
- Coil Corrosion Protection
- Bottom Supply/Return Air Openings
- Condensate Level Alarm

- Supply/Return and Evaporator Coil Temp. Monitoring
- Internal 24V/48V DC Power Supply
- Low/High Pressure Transducers
- Front Mounted Disconnect Circuit Breaker
- Main Power Receptacle, D38999/42FD05PN
- Ethernet Receptacle (based on MIL-DTL-26482)
- Interface Environmental Gasket

Options

- Finish to Specification
- Transport Cover

Characteristics

Refrigerant	R134a
Compressor	Brushless DC, Variable Speed
Evaporator Coil	Alum. Fin/Copper Tube
Condenser Coil	Alum. Fin/Copper Tube
Circulating Fan	Motorized Impeller
Condenser Fan	Axial Fan, Variable Speed
Size (L x W x H)	40.0" x 28.8" x 15.3" 101.6 cm x 73.2 cm x 38.9 cm
Frame & Panels	Aluminum
Weight	115 lbs. (52.2 kg)
Control Panel	Touchscreen Interface with Logic Controller
Operating Ambient	35 °F (1.7 °C) to 120 °F (48.9 °C)
Storage	-4 °F (-20 °C) to 131 °F (55 °C)
Altitude	11,750 ft. (3.6 km)
Orientation	±20° (any axis from vertical)

Performance

Cooling Capacity (60 Hz)	4,305 Btu/h (1.3 kW)
Design Ambient Cooling	120 °F (48.9 °C)
Minimum Ambient Cooling	35 °F (1.7 °C)
Design Return Air Temperature	80 °F (26.7 °C) db
Supply Air Flow Rate	200 CFM (5.7 CMM)
Evaporator Static Pressure	.157 Inch Water

Electrical

Input Voltage	120/208 VAC
Number of Phases	3Φ
Frequency	60 Hz
Max Power Draw	1.3 kW
Wires	4-Wire + GND
Control Power	24 VDC

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Horstman United States

44215 Phoenix Drive,
Sterling Heights, MI 48314

P +1 (586) 737-2100
E sales@milairinc.com

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