

ENVIRONMENTAL CONTROL SYSTEM

Vertical environmental control system

/ Model
ECS-36V (2200)

MilAIR



/ 30,600 Btu/h
(9.0 kW)

Cooling Capacity

/ 120 °F
(48.9 °C)

Design Ambient Cooling

/ 140 °F
(60 °C)

Maximum Operating Ambient

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 vertical systems provide complete environmental control including cooling, heating, ventilation, dehumidification, and filtering.

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

Vertical environmental control system

/ Model

ECS-36V (2200)



Standard Features

- Sealed Motors
- Washable MERV 8 Return Air Filter
- Interface Touch Screen PLC Remote Control
- Fault Monitoring and Alarms
- Insulated Evaporator Cabinet
- Dehumidification
- Supply/Return Air Duct Adapters (Optional)
- Integrated Single Point Top Lift Bar
- External Refrigerant Access Valves
- External Refrigerant Sight Glass
- Hot Gas Bypass (HGB)
- All Aluminum Construction
- Coil Corrosion Protection

Options

- Finish to Specification
- Analog Control Panel with Adjustable Thermostat
- Flush Mount Supply/Return Air Interface

Characteristics

Refrigerant	R407c
Compressor	Hermetic Scroll Type
Evaporator Coil	Alum. Fin/Copper Tube
Condenser Coil	Alum. Micro-Channel
Circulating Fan	Centrifugal
Condenser Fan	Propeller
Size (H x W x D)	79.0" x 40.0" x 37.0" 200.7 cm x 101.6 cm x 94.0 cm
Frame & Panels	Aluminum
Weight	475 lbs. (215 kg)
Control Panel	Remote HMI/PLC Logic Controller

Performance

Cooling Capacity	30,600 Btu/h (9.0 kW)
Design Ambient Cooling	120 °F (48.9 °C)
Maximum Operating Ambient	140 °F (60 °C)
Minimum Ambient Cooling	40 °F (4.4 °C)
Design Return Air Temperature	85 °F (29.4 °C) db 68 °F (20 °C) wb
Stage 1 Heating Capacity	17,061 Btu/h (5.0 kW)
Stage 2 Heating Capacity	51,182 Btu/h (15.0 kW)
Minimum Ambient Heating	-22 °F (-30 °C)
Supply Air Flow Rate	1400 CFM (39.6 CMM)
Evaporator Static Pressure	.25 Inch Water

Electrical

Input Voltage	208 VAC
Number of Phases	3Φ
Frequency	50/60 Hz
Max Power Draw	16 kW (Heating)
Wires	3-Wire + GND
Control Power	24 VDC

Trusted Partner.

Horstman United States

44215 Phoenix Drive,
Sterling Heights, MI 48314

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

Details provided about the properties and usability of the products are purely for information purposes and do not constitute a guarantee of these characteristics. The extent of goods delivered is determined by the subject matter of the specific contract. No liability accepted for errors or omissions. Subject to technical alterations. © HORSTMAN 2023