



44215 Phoenix Drive
Sterling Heights, Michigan 48314
Phone: (586) 737-2100
www.milairinc.com

Vertical Environmental Control System

Model ECS-36V (2200)

Performance

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

Characteristics

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

Electrical

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

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
- Electrofin® Coil Corrosion Protection

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-STD-130K Identification Marking of Military Prop.
- MIL-HDBK-1791 Design for Internal Aerial Delivery
- MIL-STD-810F (Air, Land, Rail and Sea Transportation)
- NFPA 70 National Electric Code

Options

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

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