

## ENVIRONMENTAL CONTROL SYSTEM

# Horizontal environmental control system

/ Model  
ECS-18H (124)

**MilAIR**



/ 18,000 Btu/hr  
(5.3 kW)

Cooling Capacity

/ 125 °F  
(52 °C)

Design Ambient Cooling

/ 0 °F  
(-18 °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](mailto:sales@milairinc.com)  
for additional information and options.

## Horizontal environmental control system

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### Standard Features

- Sealed Motors
- Washable Return Air Filter
- Refrigerant Access Valves
- External Circuit Breaker
- Refrigerant Sight Glass
- Local/Remote Control
- Dual Input Power Receptacles
- All Aluminum Construction
- Transit Cover
- Lifting Handles

### Options

- Finish to Specification
- Hour Meter
- Coil Corrosion Protection

### Characteristics

Refrigerant	R410a
Compressor	Hermetic Scroll Type
Evaporator Coil	Alum. Fin/Copper Tube
Condenser Coil	Alum. Micro-Channel
Circulating Fan	Motorized Impeller
Condenser Fan	Propeller
Size (L x W x H)	30.0" x 28.0" x 20.0" 76.2 cm x 71.1 cm x 50.8 cm
Weight	275 lbs. (124.7 kg)
Local Control Panel	Cool/Vent/Off/Heat Thermostat Temp Control

### Performance

Cooling Capacity	18,000 Btu/hr (5.3 kW)
Design Ambient Cooling	125 °F (52 °C)
Minimum Ambient Cooling	0 °F (-18 °C)
Design Return Air Temperature	90 °F (32 °C) db 69.5 °F (20.8 °C) wb
Heating Capacity	13,185 Btu/hr (3.9 kW)
Minimum Ambient Heating	-40 °F (-40 °C)
Supply Air Flow Rate	590 CFM (16.7 CMM)
Evaporator Static Pressure	.25 Inch Water
Fresh Air Flow Rate	45 CFM (1.3 CMM)

### Electrical

Input Voltage	208 VAC
Number of Phases	3Φ
Frequency	60 Hz
Max Power Draw	4.2 kW (Heating)
Wires	3-Wire + GND
Control Power	24 VAC – 1Φ – 60 Hz

### Trusted Partner.

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