

ENVIRONMENTAL CONTROL SYSTEM

Cart mounted environmental control system

/ Model
ECS-20T (2330)

MilAIR



/ 20,000 Btu/h
(5.9 kW)

Cooling Capacity

/ 122 °F
(50 °C)

Design Ambient Cooling

/ 50 °F
(10 °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 ducted 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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Standard Features

- Sealed Motors
- Refrigerant Access Valves
- 8" Dia. Pneumatic Wheels
- Retractable Lift Handles (4)
- 10" Dia. Supply/Return Air Duct Interface
- Washable Metal Return Air Filter
- Refrigerant Sight Glass
- Refrigerant Access Valves
- Lift Rings (4)
- All Aluminum Construction

Options

- Finish to Specification
- Remote Backdraft Damper for Dual Systems
- Power Cable
- 10" Dia. Insulated Flexible Ducts
- Coil Corrosion Protection
- Two Stage Remote Controller for Dual Systems
- Remote Control Cable
- Fixed Base Mount

Characteristics

Refrigerant	R407c
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)	41.6" x 36.1" x 36.5" 105.7 cm x 91.7 cm x 92.7 cm
Frame & Panels	Aluminum
Weight	270 lbs. (122.5 kg)
Remote Control Panel	Cool/Vent/Off/Heat Thermostat Temp Control

Performance

Cooling Capacity	20,000 Btu/h (5.9 kW)
Design Ambient Cooling	122 °F (50 °C)
Minimum Ambient Cooling	50 °F (10 °C)
Design Return Air Temperature	90 °F (32.2 °C) db
Total Heating Capacity	20,478 Btu/hr (6.0 kW)
Minimum Ambient Heating	-40 °F (-40 °C)
Supply Air Flow Rate	800 CFM (22.7 CMM)
Evaporator Static Pressure	.25 Inch Water

Electrical

Input Voltage	120/240 VAC
Number of Phases	1Φ
Frequency	60 Hz
Max Power Consumption	6.5 kW (Heat)
Wires	3-Wire + GND
Control Power	120 VAC – 1Φ – 60 Hz

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