

ENVIRONMENTAL CONTROL SYSTEM

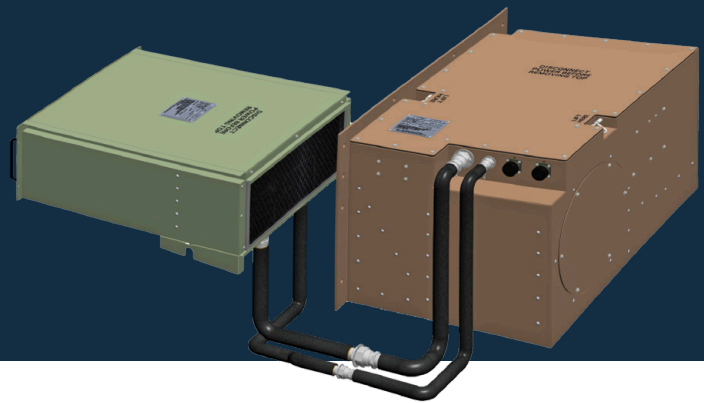
Split environmental control system

/ Model

ECS-18S (1900)

NSN 4120-01-521-2697

MilAIR



/ 18,500 Btu/h
(5.4 kW)

Cooling Capacity (60 Hz)

/ 120 °F
(48.9 °C)

Design Ambient Cooling

/ 32 °F
(0 °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 Split Systems are specifically designed for use in Nuclear, Biological and Chemical (NBC) protected enclosures. These systems provide a hermetic environment by means of an externally mounted condenser assembly and a separate internally mounted evaporator assembly. Refrigerant lines and electrical connections are passed through the structure wall using sealed bulkhead connectors.

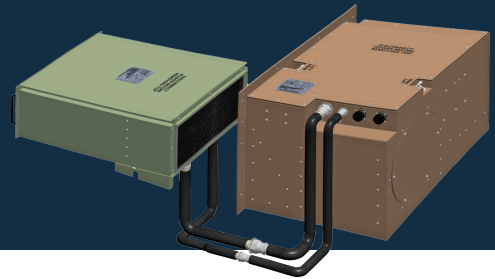
Please contact sales@milairinc.com
for additional information and options.

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Standard Features

- Sealed Motors
- Washable Metal Return Air Filter
- Coil Corrosion Protection
- Pre-charged Interconnect Fluid Lines
- Refrigerant Access Valves
- Refrigerant Sight Glass
- Soft Start
- All Aluminum Construction

Options

- Shelter Interface Mounting Adapter
- Finish to Specification
- Evaporator/Condenser Interconnect Power Cable

Characteristics

Refrigerant	R407C
Compressor	Hermetic Scroll Type
Evaporator Coil	Alum. Fin/Copper Tube
Condenser Coil	Alum. Fin/Copper Tube
Circulating Fan	Centrifugal
Condenser Fan	Centrifugal
Size (L x W x H)	30.0" x 24.0" x 20.0"D 76.2 cm x 60.9 cm x 50.8 cm
Evap. Size (L x W x H)	22.0" x 22.5" x 10.0" 55.9 cm x 57.2 cm x 25.4 cm
Condenser Weight	150 lbs. (68 kg)
Evaporator Weight	65 lbs. (29.5 kg)

Performance

Cooling Capacity (60 Hz)	18,500 Btu/h (5.4 kW)
Design Ambient Cooling	120 °F (48.9 °C)
Minimum Ambient Cooling	32 °F (0 °C)
Design Return Air Temperature	90 °F (32 °C) db
Total Heating Capacity	11,950 Btu/hr (3.5 kW)
Minimum Ambient Heating	-65 °F (-54 °C)
Supply Air Flow Rate	550 CFM (15.6 CMM)
Evaporator Static Pressure	Free Air Discharge

Electrical

Input Voltage	230 VAC
Number of Phases	1Φ
Frequency	50/60 Hz
Max Power Draw	4.2 kW
Wires	2-Wire + GND
Control Power	230 VAC

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