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## Environmental Control System Model ECS-18S (1900)

### Performance

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

### Characteristics

Refrigerant: R407C	Cond. Size (L x W x H): 30”H x 24”W x 20”D
Compressor: Hermetic Scroll Type	76.2 cm x 60.9 cm x 50.8 cm
Evaporator Coil: Alum. Fin/Copper Tube	Evap. Size (L x W x H): 22” x 22.5” x 10”
Condenser Coil: Alum. Fin/Copper Tube	55.9 cm x 57.2 cm x 25.4 cm
Circulating Fan: Centrifugal	Condenser Weight: 150 lbs. (68 kg)
Condenser Fan: Centrifugal	Evaporator Weight: 65 lbs. (29.5 kg)

### Electrical

Input Voltage: 230	Max Power Draw: 4.2 kW
Number of Phases: 1Φ	Wires: 3-Wire
Frequency: 50/60 Hz	Control Power: 230 VAC

### Standard Features

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| <ul style="list-style-type: none"> <li>• Sealed Motors</li> <li>• Washable Metal Return Air Filter</li> <li>• Electrofin Coil Corrosion Protection</li> <li>• Pre-charged Interconnect fluid lines</li> </ul> | <ul style="list-style-type: none"> <li>• Refrigerant Access Valves</li> <li>• Refrigerant Sight Glass</li> <li>• Soft Start</li> <li>• All Aluminum Construction</li> </ul> |
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### Specification Compliance

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| <ul style="list-style-type: none"> <li>• ASHRAE 34 Designation and Classification of Refrigerant</li> <li>• ASHRAE 37 Testing for Rating Unitary Air Conditioning</li> <li>• MIL-DTL-53072 Chemical Agent Resistant Coating System</li> <li>• MIL-F-14072 Finishes for Ground Based Electronic Equip.</li> <li>• MIL-HDBK-1791 Design for Internal Aerial Delivery</li> </ul> | <ul style="list-style-type: none"> <li>• MIL-STD-130K Identification Marking of Military Prop.</li> <li>• MIL-STD-461E Control of Electromagnetic Interference</li> <li>• MIL-STD-810F (Air, Land, Rail and Sea Transportation)</li> <li>• NFPA 70 National Electric Code</li> </ul> |
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### Options

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| <ul style="list-style-type: none"> <li>• Shelter Interface Mounting Adapter</li> <li>• Finish to Specification</li> </ul> | <ul style="list-style-type: none"> <li>• Evaporator/Condenser Interconnect Power Cable</li> </ul> |
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Please contact [sales@milairinc.com](mailto:sales@milairinc.com) for additional options and interface control drawing