



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

Underslung Environmental Control System Model ECS-13H (2520)

Performance

Cooling Capacity:	13,000 Btu/h (3.81 kW)	Heating Capacity:	25,932 Btu/h (7.6 kW)
Design Ambient Cooling:	140°F (60°C)	Minimum Ambient Heating:	-40°F (-40°C)
Maximum Operating Ambient:	140° F (60°C)	Supply Air Flow Rate:	550 CFM (39.6 CMM)
Minimum Ambient Cooling:	40° F (4.4°C)	Evaporator Static Pressure:	.50 Inch Water
Design Return Air Temperature:	80°F (26.7°C) db		

Characteristics

Refrigerant	R134a	Size (H x W x D):	24.0" x 40.0" x 38.0"
Compressor	Hermetic Scroll Type		61.0 cm x 101.6 cm x 96.5 cm
Evaporator Coil:	Alum. Fin/Copper Tube	Frame & Panels:	Aluminum
Condenser Coil:	Alum. Micro-Channel	Weight:	350 lbs. (125.8 kg)
Circulating Fan:	Motorized Impeller	Control Panel:	Local (Off/Auto/Heat/Cool)
Condenser Fan:	Propeller		Thermostat Temp Control

Electrical

Input Voltage:	120/208 VAC	Max Power Draw:	7.6 kW (Heating)
Number of Phases:	3Φ	Wires:	4-Wire + GND
Frequency:	50/60 Hz	Control Power:	120 VAC

Standard Features

- Sealed Motors
- Washable Return Air Filter
- Remote Power Monitor
- Local Control Panel
- Dehumidification
- External Refrigerant Access Valves
- External Refrigerant Sight Glass
- Hot Gas Bypass (HGB)
- All Aluminum Construction
- 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
- PLC Touch Screen Remote Control Panel
- Fault Monitoring and Alarms (w/PLC)
- Manual Remote Control Panel
- Hour Meter
- Remote Control/Monitoring by Ethernet (w/PLC)

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