



Ceiling Mount systems

*Self Contained*

*1.5-2 Tons*

Precision cooling & humidity control for small areas.

# Mini-Temp



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Cooling

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**72°**

Humidity 34%

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**M**ini-Temp is a line of ceiling mounted spot cooler, precision engineered, which provides the regulated environment the minicomputer needs without taking up valuable floor space.

Mini-Temp units are self contained modular systems which can be used single, or in multiples to build the high sensible cooling capacity required, utilizing the space provided by a standard 2 x 4 feet ceiling tile.

Mini-Temp cooling (blow thru) system establishes and maintains dedicated control of all fundamental environmental conditions, continuously, and reliably.

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*Self contained package ceiling / roof mounted closed loop system available in Air, Water, Glycol, or Chilled Water configuration.*

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## Standard Features

Self contained package ceiling / roof mounted closed loop system available in Air, Water, Glycol, or Chilled Water configuration.

High efficiency coil provided with blow-through air configuration to meet space capacity. Designed for high sensible cooling capacity.

Thermally insulated galvanized steel pan is provided for the evaporator coil in order to prevent any water from reaching the floor.

Rugged cabinet construction, thermally and acoustically insulated cabinet.

Entire cabinet is suspended on rubber isolators to minimize the sound level, as well as vibration transmission, providing quiet, vibration free operation.

Side access is made easy for servicing via well insulated access panels.

Single point electrical connection for year-round operation, ceiling plenum air can be used for condenser air supply. Discharge air can be ducted away.

Air cooled models have a copper-tube, aluminum fin type condenser coil.

## T-Stat

Thermostat continually samples temperature to regulate the individual system and automatically turns on cooling as needed. If optional humidifier is required, a humidistat shall be shipped for field installation.

- Programmable and or non-Programmable
- Wall mounted
- Back lit LCD



## Direct Drive Fan

Two (2) speed direct drive centrifugal type, dynamically balanced prior to shipment for further vibration free performance.

## Scroll Compressor

High efficiency Scroll compressor with internal muffler and spring for quiet, vibrationless performance. Compressor rests on rubber isolators in an acoustically enclosed cabinet out of air stream.



## Operating Reliability

Operating Reliability  
Compressorized models have an internal pressure relief system and an electrical overload service for maximum reliable performance. The system has high and low pressure switches, and an external crankcase heater. The refrigerant piping is equipped with service pressure fittings.



## Condenser Fan Package

(applicable air cooled units only)

Direct-drive centrifugal fan with a low ambient pressure control for operation down to 35°F when outside air is utilized. Shipped loose for field mounting.

## Coaxial Condenser

Water cooled condenser (applicable to water/glycol cooled units only)

Heavy duty counter flow co-axial condenser.



## Water Regulating Valve

(water/glycol cooled units only)

Two (2) way, 150 psig head adjustable pressure actuated valve. Higher psig rated valves available as options - consult factory.

## Chilled Water Valve

(chilled water units only)

Two (2) way, two (2) position chilled water valve.

## Supply/Return Grille

Supply/ Return Grille Frame assembly

Hinged supply/return air grille provided to mount below unit for air discharge and return. 1" filter provided for air filtration



## Options

### Side Discharge, Rear Return

The unit shall be provided with the Supply (side) and Return (rear) air duct connection

### Condensate Pump

A condensate pump 35gph capacity with 20 ft. head shall be provided for field installation specially adapted to the unit. Power shall be 115 or 230V/1/60 and shall be for field installation.

### Electric Reheat

A nichrome, open wire, electric reheat coil including contractor and limit control is available.

### SCR Electric Reheat

External mount controller with special enclosure provided to modulate electric reheat capacity.

### Hot Gas Bypass

factory installed in the compressor discharge for precise capacity control in the cooling mode and for protection against coil freeze up during partial or low load conditions.

### Low Ambient Control

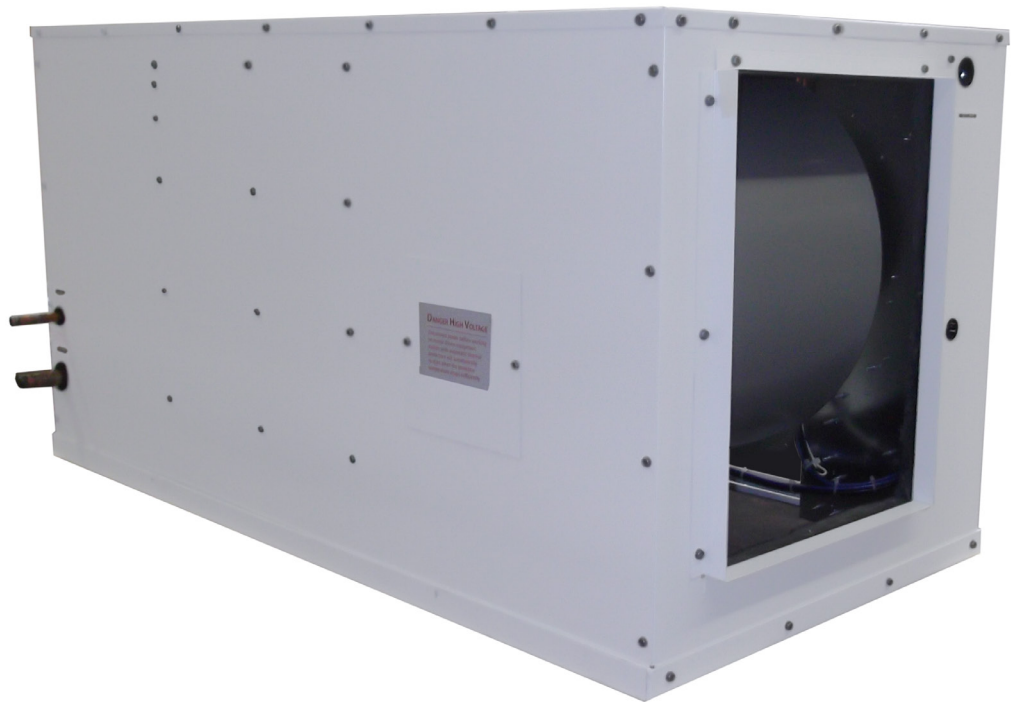
(air cooled units only) Pneumatic Type-Damper good down to 0°F. Damper is available for use with ducted outside air.

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*Off White  
Enamel Finish*

\*optional

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### Steam Humidifier

Pre-wired, pre-piped maintenance free, steam generating humidifier. Humidifier is equipped with disposable cylinder and shall be mounted externally to the unit.

### Extended Warranty

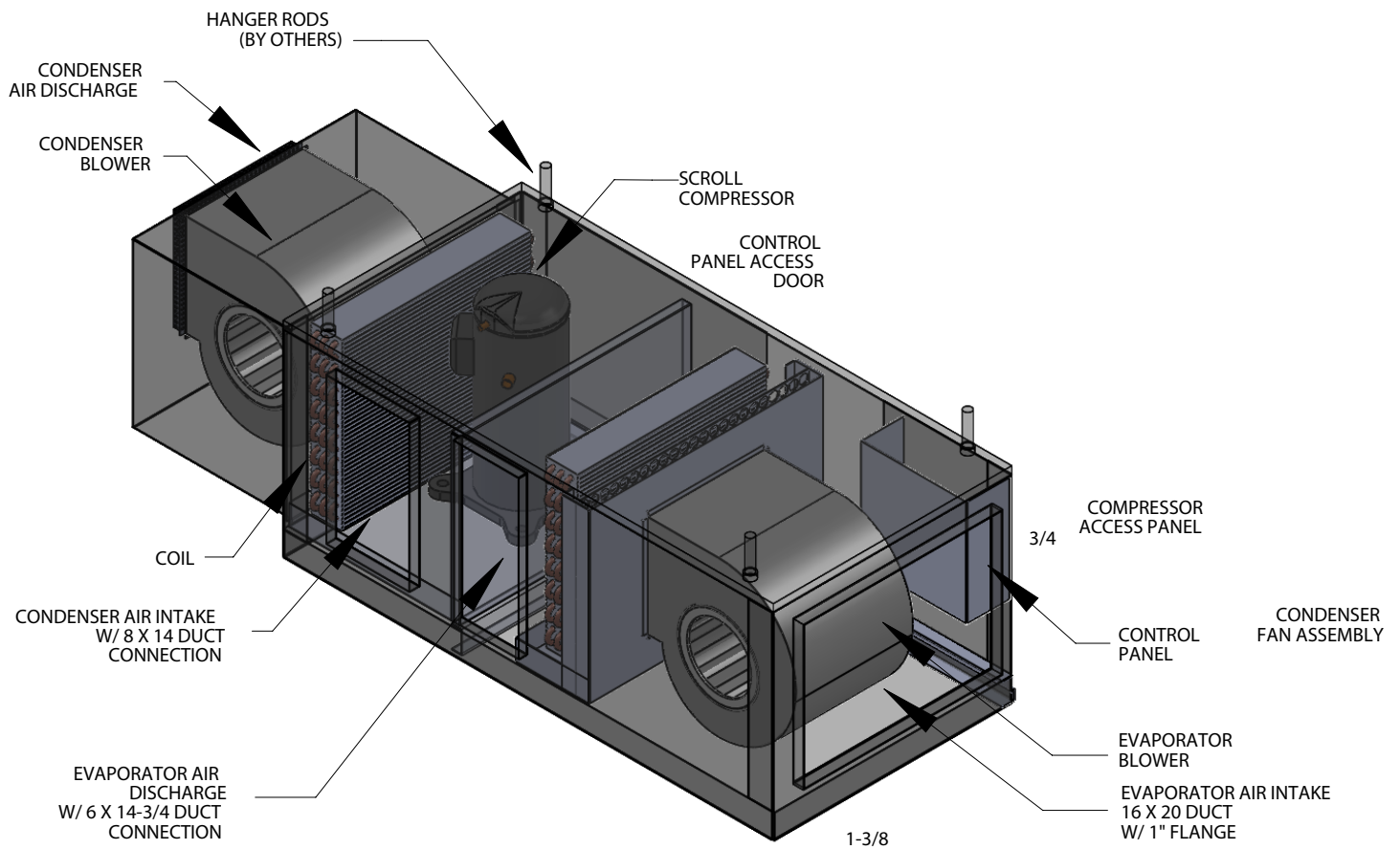
Compressor only. Up to 4 additional years. This additional warranty takes effect after expiration of the 1st year standard warranty. Total coverage is extended to 5 years from the date of star

### Variable Fan Speed

Solid state, pressure sensitive vari-speed fan controller shall modulate condenser fan rpm to maintain operable head pressure down to -20°F.

### Air Cooled Condenser

Remote air cooled condenser is a low profile design constructed of copper tube and high efficiency aluminum fin coil. A factory wired control panel is provided in a weather proof housing on the condenser





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