



**POLYGON
EQUIPMENT
DATASHEET**

AHU-70-Ton

Chilled Water Air Handler



Product Description

This unit provides outstanding humidity control and cooling using chilled water technology. It has the capability to remove large amounts of water from high temperature and humid air. To meet market demand for ease of use and maneuverability, these units come on a unitary skid with a single-point power connection.



AHU-70-Ton Product Information

The unit utilizes a deep chilled water coil in conjunction with direct electric heat. The packaged air conditioning unit operates cost effectively with a high cooling capacity to supply air ratio, allowing the unit to effectively remove moisture from high temperature and humid air.

- 10,000 nominal SCFM
- Independent cooling and heating control
- Efficient moisture removal

Features

- High performance design with 200 SCFM per ton design parameters
- Control circuit with supply air: flow rates of 10,000 SCFM
- Delivered air temperatures of 55°F are attainable
- Configurable air flow: outside air and return air connections
- Weatherproof: corrosion protected coils for demanding environments
- Electrical controls: continuous automatic operation including motor starters, overload protection and independent temperature control
- ETL Listed to UL508A and UL1995

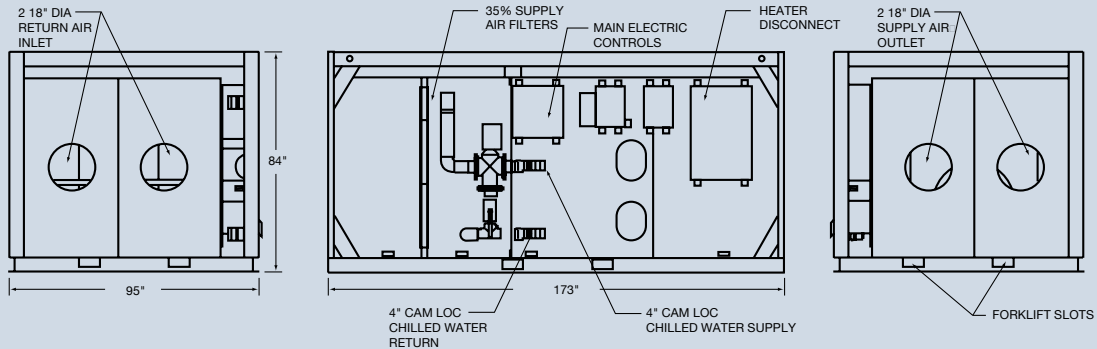
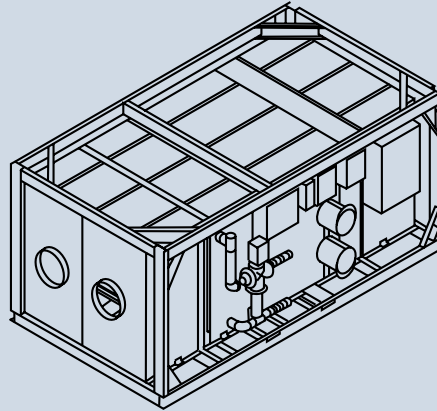
Benefits

- Operational flexibility achieved through integrated cooling and heating
- Fast installation with skid-mounted design and single-point power connection
- Independent control of cooling and heating for deep dehumidification
- Capable of running in stacked configuration, reducing required site footprint





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Equipment Specifications

Length: 173"

Width: 95"

Height: 84"

Weight: 5,000 lb

Full Load Amps (FLA):

20 @ 460 volt three phase-cooling only

225 @ 460 volt three phase-cooling with reheat

SCFM range: 4" ESP @ 10,000-12,500 SCFM

Generator requirements:

20 KW - cooling only

300 KW - cooling with reheat

Generator fuel requirements (estimated):

1-2 g/hr-cooling only

20-25 g/hr-cooling with reheat

Chilled water requirement: 200-350 gpm @ 35 feet head pressure

Insurance value: \$90,050.00

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