



**POLYGON
EQUIPMENT
DATASHEET**

DX-20-Ton

Customized Air Conditioning Unit



Product Description

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



DX-20 Product Information

The unit utilizes a custom refrigeration system in conjunction with packaged 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.

- 6,000 nominal SCFM
- Independent cooling and heating control
- Efficient moisture removal

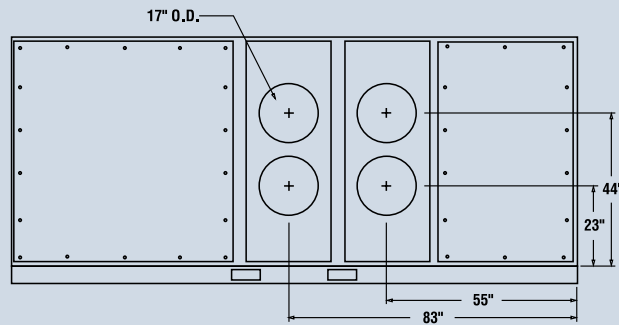
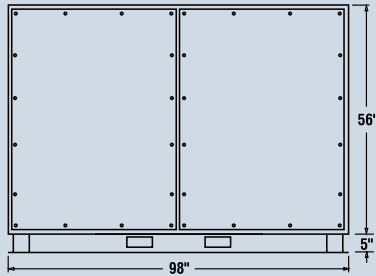
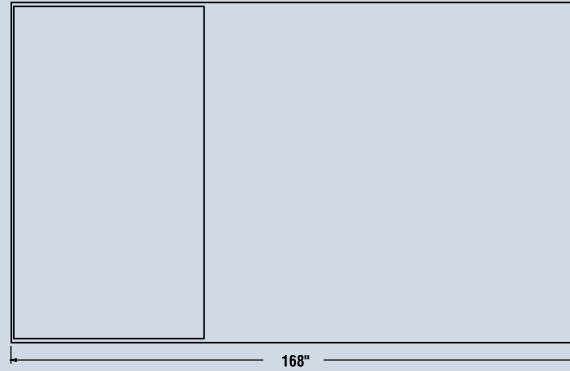
Features

- High performance design with 300 SCFM per ton design parameters
- Control circuit with supply air: flow rates of 6,000 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

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.





DX-20-Ton

Equipment Specifications

Length: 168"

Width: 98"

Height: 61"

Weight: 3,800 lb

Full Load Amps (FLA):

90 @ 460 volt three phase-cooling only

135 @ 460 volt three phase-cooling with reheat

SCFM range: 1.0" ESP @ 4,000-6,000 SCFM

Generator requirements:

100 KW-cooling only

125 KW-cooling with reheat

Generator fuel requirements (estimated):

8 g/hr-cooling only

10-12 g/hr-cooling with reheat

Insurance value: \$40,000.00