

HC-4500

Desiccant Dehumidifier



Product Description

The HC-4500 is a completely self-contained dehumidifier with an active Titanium Silica Gel desiccant wheel. The system is integrally designed and controlled for superior performance in even the highest humidity load conditions.

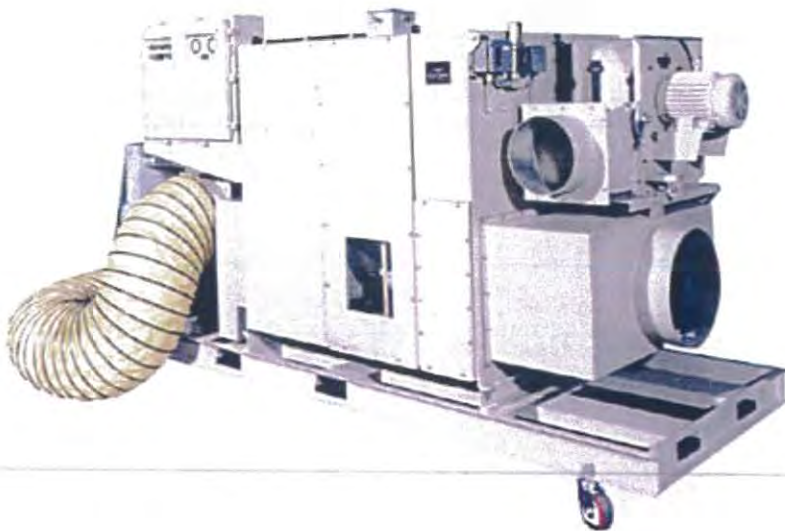
- Reactivation utility: electric with solid-state proportioning control. Optional: Direct fired gas with modulating gas valve for natural or propane gas.
- Dehumidifier housing: process and reactivation air flow insulation. Quiet operation with plenum mounted process fan.

Features

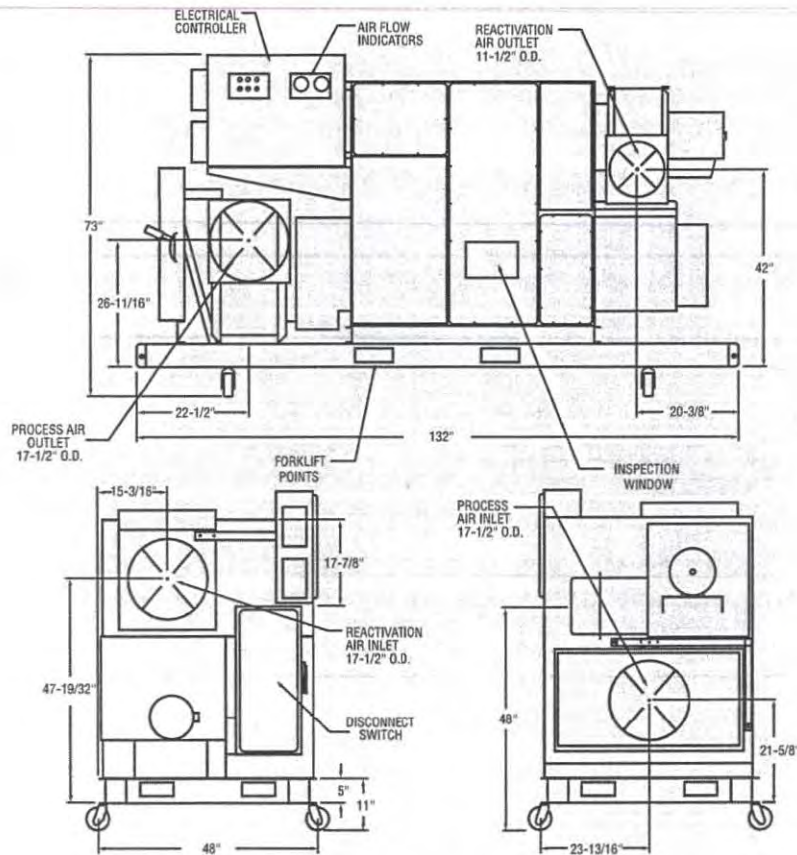
- Process air: flow rates of 4500 SCFM. Nominal moisture removal: 119 lb/hr at 75°F, 50% RH at 4500 SCFM. Delivered air moisture levels of -55°F dew point and lower are attainable
- Contact air seals: separate process and reactivation air pressures up to 8" water gauge with five-year life expectancy
- Process and reactivation fans: centrifugal, direct drive with totally enclosed fan-cooled motors
- Electrical controls: continuous automatic operation including motor starters, overload protective devices and full controls with indicating lights and fault circuits
- Desiccant reactivation via modulating electric, with propane or natural gas optional
- All wiring to NEC codes
- Drive system: simple drive-belt arrangement with few moving parts.

Benefits

- Weather-tight construction for indoor or outdoor use
- Low profile cassette design provides space savings
- Quick access for easy maintenance
- Modulating electric, gas: natural or propane
- Cost savings - 18" deep Titanium Silica Gel desiccant provides optimal drying performance with the least energy consumed
- Lightweight aluminum construction.



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Equipment Specifications

- Length: 132"
- Width: 48"
- Height: 73"
- Weight: 2,200 lb
- Full Load Amps (FLA):
 - 107 @ 460 volt three phase-electric reactivation
 - 22 @ 460 volt three phase-electric reactivation (gas/steam)
- Fuel required:
 - 8 g/hr diesel for electric
 - 2.5 g/hr diesel for gas or steam
 - 2-5 therms natural gas/hr
 - 3-5 gal/hr of propane
- Generator requirements:
 - 100 KW-minimum for electric
 - 40 KW-minimum for gas or steam
- SCFM range: 2.0" ESP @ 2250-5000 SCFM
- NFPA 255-ASTM E84 compliant

HoneyCombe® Wheel Technology

