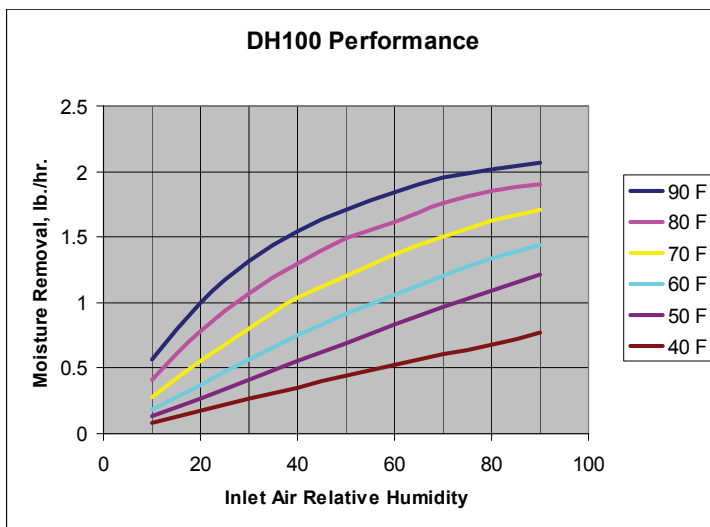


DESICAIR® DH-100

Desiccant Dehumidifiers

100 CFM / 48 lbs of H₂O / 24 hrs
@ 90°F/75% RH Inlet Conditions



Applications

- **Military Equipment Storage**
- **Self-Storage Facilities**
- **Storage Closets**
- **Storage Rooms**
- **Pharmaceutical**
- **Confectionary**
- **and many more**

DESICAIR[®] DH-100

Features

Compact design - 17.07"H x 15.94"W x 25.25"L
and weighs only 42 lbs.

High capacity - Delivers 100 scfm and removes 48
lbs. of H₂O/24 hrs. at 90°F/75% RH.

Solid construction - Built with rugged, black
anodized, aluminum frame and panel construction.

Utilities - 115 V, 60 Hz, 1 Ph, 15 FLA

Control Panel - Simple on-off-auto switch with
integral humidistat control.

Prevent Corrosion, Mold & Mildew

The DH-100 desiccant dehumidifiers were developed specifically for military storage applications and are ideal for a multitude of industrial applications. The units produce dry air to prevent corrosion, increase readiness, reduce maintenance, and improve Mean Time Between Failure (MTBF) for electronic systems.

With the DH-100 dehumidifiers, humidity can be controlled below levels at which moisture condenses on surfaces, thereby preventing corrosion, mold and mildew formation.

The heart of the units is a state of the art, silica gel, desiccant dehumidification wheel. A self regulating, positive temperature coefficient (PTC) electric resistance heater is used for regeneration and low speed, low noise compact blowers are used to move supply and regeneration air throughout the unit. An adjustable humidistat provides relative humidity control and energy savings.



Specifications - DH-100

Process Volume (CFM):	100
Moisture Removal (lbs/hr):	2.0*
Heater Watts:	1350
ESP Process (in wc):	0.3
ESP Regen (in wc):	0.3
Weight (lbs):	42
Dimensions (LxWxH)	25.25" x 15.94" x 17.07"
Utilities:	115V/60Hz, 1ph
Full load amps:	15.0

* @90°F / 75%RH inlet conditions

Principle of Operation

The operation of the DH-100 desiccant system is based on two counter current air streams flowing through a rotating desiccant wheel. Return air from the conditioned space is drawn through the rotating desiccant wheel. The desiccant adsorbs moisture from the air stream and the dry supply air is returned to the conditioned space. The moisture containing portion of the wheel rotates into the regeneration section. The desiccant releases the adsorbed moisture into the heated regeneration air stream which is then exhausted to the outside.

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