



DH-100V

HIGH EFFICIENCY DEHUMIDIFIER

PRODUCT
SPECIFICATIONS
AND ENGINEERING
INFORMATION

SUBMITTAL DATA
969DH100V

The high efficiency DH-100V utilizes refrigeration for cooling the incoming humid air below its dew point as it passes through the dehumidification (*evaporator*) coil. Cooling the air removes moisture (*latent heat*), and reduces the temperature (*sensible heat*). The cooler dry air is used to precool the incoming air stream resulting in up to a 200 percent increase in overall efficiency. The pre-cooled processed air is reheated by passing through the condenser coil. Latent heat is removed by the evaporator coil and returned into the air stream as sensible heat. The total process results in an overall increase of indoor warm dry air from the humid incoming air.



DH-100V capacities and performance:

Blower:	250 cfm (0" w.g.)
Kilowatts:	0.61 kw @ 80° F., 60% RH
Supply Voltage:	115 volt - 1 phase - 60 Hz.
Amps:	6.8

Minimum performance at set conditions:

Intake Air	70°, 60%	80°, 60%
Water removal (24 hrs)	85 lbs.	104 lbs.
Pints/KWH	5.5	6.8

The unit is controlled by a built-in dehumidstat with positive "ON" and "OFF" settings and a variable setting range from "20%" to "80%".

The unit contains a built-in defrost system designed for operation down to 55°F.

The DH-100V has a blower switch allowing continuous blower operation for filtration only, independent of dehumidification.

The DH-100V is portable, having four casters for easy mobility of the unit.

The unit contains a 6 foot vinyl, gravity drain hose.

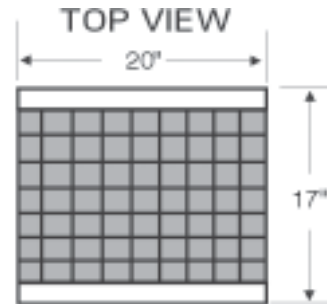
The DH-100V is powered through a factory installed, six foot power cord; 115 volt with ground.

DIMENSIONS

SHIPPING DIMENSIONS:

	UNIT	SHIPPING
Width:	20 inches	25 inches
Height:	36 inches	41 inches
Depth:	17 inches	24 inches
Weight:	110 lbs	125 lbs. *

Finished Cabinet - white painted galvanized steel

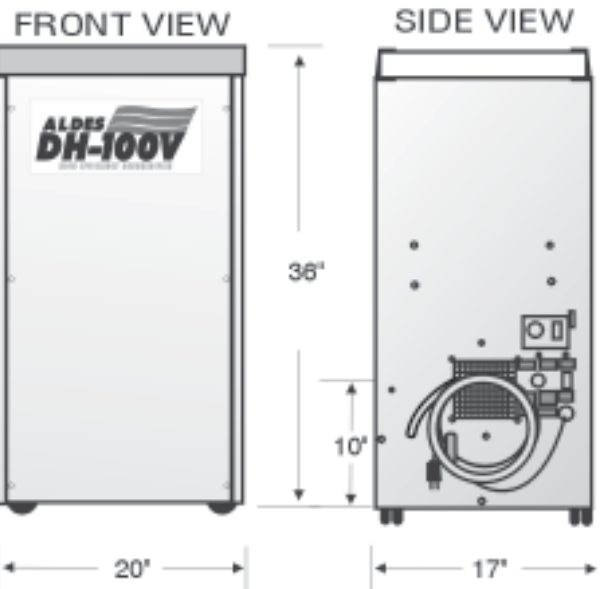


Ordering Information

- 98 984 DH-100V
- 98 993 Duct Kit
- 99 006 Condensate Pump
- 99 005 Filter 16 x 20 x 2"



The DH-100V is manufactured under authority of **American ALDES Ventilation Corp.** Sarasota, FL.



*Specifications subject to change without notice.

APPLICATIONS

- Damp basements
- Enclosed residential swimming pools
- Enhanced humidity control in mild seasons when air conditioning cannot control humidity
- Humidity control for art, musical instruments, collectibles, etc.
- Protection of wood floors against summer humidity and expansion

DH-100V

Free-Standing Installation

Position the DH-100V so the dehumidified air will not be directed toward a wall or other obstruction.

Simply plug the DH-100V into a standard 15 amp, 110 volt grounded outlet.

Direct gravity drain hose to floor drain. Drain hose can be extended using 1/2 inch pvc pipe.

Condensate pump kit is available (PN 99 006) if gravity drain is not possible.



DH-100V

Remote Ducted Installation

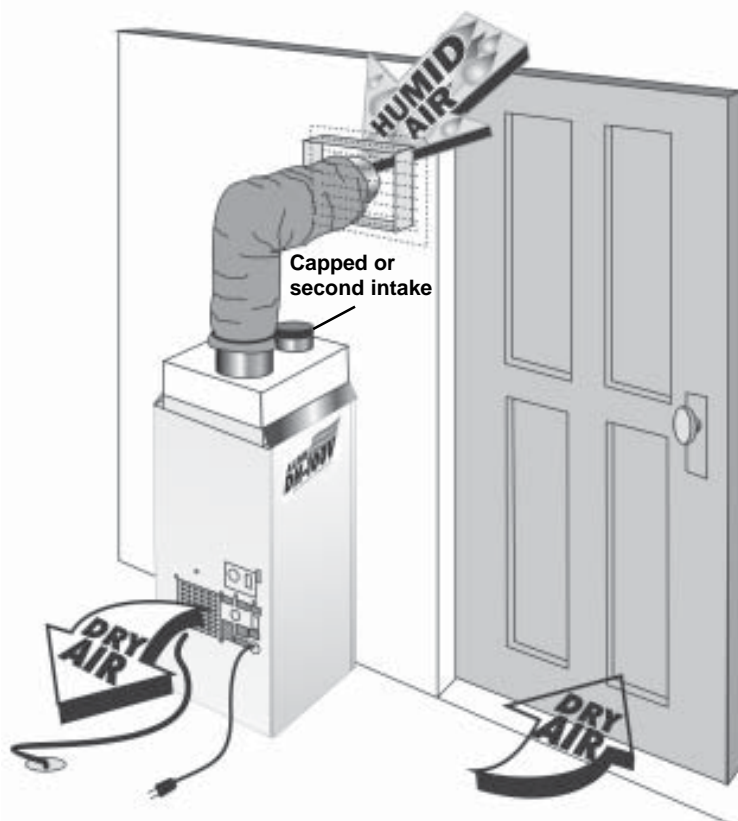
A duct kit (PN 98 993) is available for remote installations when an area requires humidity control and locating the DH-100V in that area is not practical.

One simple ducting strategy is to attach the intake duct hood to the DH-100V and install ducting to draw air to the DH-100V.

Discharge dehumidified air in utility area. Be certain the air is not directed toward a wall or other obstruction.

Humid air is drawn into the dehumidifier from an adjacent room. This air will be replaced by dehumidified air drawn into this room through wall and ceiling cavities and the undercut of doors. Since the dehumidified air is slightly warmer, discharging this air into the utility area allows some of the heat to be absorbed before it is drawn into the finished area.

A remote dehumidistat may be desired in some installations.



BY MATHEWS GRAPHIC DESIGN



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