

# FDH FILTERING DEHUMIDIFIER

PRODUCT  
SPECIFICATIONS  
AND ENGINEERING  
INFORMATION  
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SUBMITTAL DATA  
756-8-00

## Create An Allergen-Free Environment

### Humidity Control

- Maintains indoor relative humidity below 50%.
- Eliminates growth of mold and dust mites.

### Air Filtration

- Removes dust and airborne allergens
- Optional HEPA or Activated Carbon filtration available

### High Capacity

- Removes over 100 pints of water per day
- Up to 10 times more than residential dehumidifiers

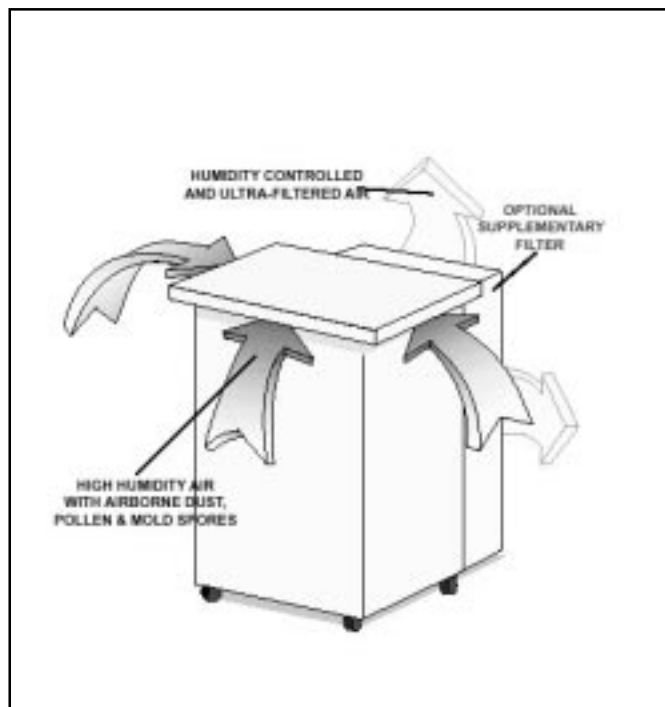
### High Efficiency

- More pints of water per kilowatt of electricity
- Up to 80% more efficient than other dehumidifiers

**Specially designed to provide quieter operation and a finished appearance. Suitable for use in offices, residences, libraries and schools.**



## FDH FILTERING DEHUMIDIFIER



**Internal condensate pump and 20 feet of drain hose allows you to direct water outside or to a suitable sink or drain.  
No bucket to constantly empty.**

### Decorating Ideas and Options

The ALDES FDH comes with a frosty white laminate top and a white smooth cabinet design. Many decorating options can be used on the ALDES FDH cabi-

net including, painting, paneling or wallpapering. Your local kitchen or cabinet shop may be able to provide additional decorating options including wood veneer panels for the cabinet, and wood or other laminate choices for the top.



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**1-1B** The standard air filtration provided by a pleated polyester and cotton blend media filter located at the air intake at the top of the unit. The efficiency rating of this filter is 40% in the ASHRAE 52-76 Dust Spot Test.

**1-1C** The optional HEPA filter is a micro-glass paper mini-pleat filter located in a special housing mounted on the back of the ALDES FDH cabinet. The efficiency rating of this filter is 99.97% on the D.O.P. test.

**1-2** The ALDES FDH is controlled by a dehumidistat with positive "ON" and "OFF" settings and a variable setting range from "20%" to "80%".

**1-3** The ALDES FDH has a built-in defrost system that is designed for operation down to 55°F.

**1-4** The unit contains a blower switch that permits continuous blower operation for filtration, independent of dehumidification.

**1-5** The ALDES FDH is portable and provided with four casters.

**1-6** The unit contains a condensate pump and 20 feet of drain hose.

**1-7** The wiring of the unit is through a factory installed six foot power

cord; 115 volt with ground.

## 1-8 ALDES FDH capacities and performance:

<b>Blower:</b>	230 CFM (0" W.G.)	
<b>Kilowatts:</b>	68 (80° F. 60%)	
<b>Supply Voltage:</b>	115 volt -1phase - 60 Hz.	
<b>Amps:</b>	6.3	
<b>Minimum performance at set conditions:</b>		
<b>Intake Air</b>	70°, 60%	80°, 60%
<b>Water removal</b>	(24hrs) 73 lbs	90 lbs
<b>Pints/KWH</b>	5.0	5.3

**1-9** The ALDES FDH is manufactured under authority of American ALDES Ventilation Corporation, Sarasota, FL

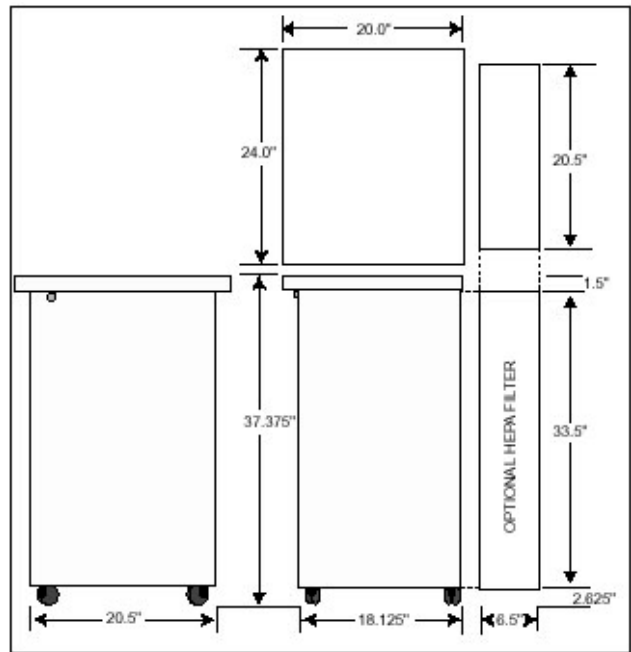
\* Specifications subject to change without notice

## SPECIFICATIONS:

**1-1** The American ALDES FDH is a quiet free-standing high efficiency air cleaner and dehumidifier to control humidity control and air filtration for homes, schools, businesses, in to areas up to 3,000 square feet.

**1-1A** High efficiency dehumidifier that utilizes refrigeration to cool the incoming air stream below its dew point as it passes through the dehumidification (evaporator) coil. This cooling results in the removal of moisture (latent heat) and reduction of the temperature (sensible heat). The cooled and dried air is used to precool the incoming air stream resulting in up to a 300 percent increase in overall efficiency. After the precooling stage the processed air is reheated by passing through the condenser coil. The latent heat removed by the evaporator coil is returned to the air stream at this stage as sensible heat, resulting in an overall increase in temperature from the incoming air.

**DIMENSIONS: w / HEPA FILTER**  
**Width:** 24 inches 20 1/2 inches  
**Height:** 37 3/8 inches 33 1/2 inches  
**Depth:** 18 1/8 inches 25 5/8 inches



BY MATHEWS GRAPHIC DESIGN



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