

Quest Hi-E Dry 120



High-Efficiency Dehumidifier

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Hi-E DRY 120 dehumidifiers are designed and built with emphasis on efficiency and durability. Today's Hi-E DRY 120 dehumidifiers remove up to 7.7 pints of water per kilowatt hour, while the industry average remains at only two to three pints.

The high-efficiency design of Hi-E DRY 120 dehumidifiers offer more than just dramatically reduced utility costs. The larger water removal capacity from a smaller, more efficient refrigeration system eliminates the need for 220 volt circuits in many applications. The smaller refrigeration system allows Hi-E DRY 120 dehumidifiers to cost less than other commercial dehumidifiers of equal capacity.

The Hi-E DRY 120 high efficiency dehumidifier 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 in temperature (sensible heat). The cooled and dried air is used to pre-cool the incoming air stream resulting in up to a 200 percent increase in overall efficiency. After the pre-cooling 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 temperature increase from the incoming air.



Features:

- Controlled by a dehumidistat with settings from 20 to 80 percent relative humidity and a positive "on" and "off" setting.
- Portable and provided with four casters.
- Contains an internal condensate pump capable of lifting condensate 17 feet and 30 feet of condensate hose.
- Wiring is through a factory installed six foot power cord; 115 volt with ground.

Water Removal Rates (Pints/Day)

230 pints	90°F, 90%
158 pints	80°F, 80%
120 pints	80°F, 60% (AHAM)
96 pints	70°F, 60%
76 pints	70°F, 50%
64 pints	60°F, 60%
43 pints	60°F, 50%
33 pints	45°F, 80%



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1.877.420.1330
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ETL Listed



Specifications

Part Number	4036730
Supply Voltage	115 VAC 5.9 amps
Power	680 Watts @ 80°, 60%
Water Removal	120 pints (80°, 60%)
Blower	445 CFM
Operating Range	40°F–110°F
Filters	16"x20"x2" Pleated Media, (P/N 4021475) MERV-11

Warranty

Five years:
1st year 100% of Parts and Labor
2nd-5th year 100% of Parts of sealed
refrigerant system

Dimensions

	Unit	Shipping
Width:	20"	26"
Height:	42"	47"
Depth:	19"	24"
Weight:	121 lbs	145 lbs

Accessories and Replacement Air Filters

4021475	20" x 16" x 2" Pleated Media Filter MERV-11
4039132	Duct Kit, Optional
4039075	Muffler Kit

Minimum Performance at Set Conditions

Intake Air	70° 60%	80° 60%
Water removal/day	96 Lbs	120 Lbs
Pints/KWH	6.62	7.7

