

# Quest Hi-E Dry 195



## High-Efficiency Dehumidifier

info@froztec.com  
www.froztec.com

Hi-E DRY 195 dehumidifiers are designed and built with emphasis on efficiency and durability. Today's Hi-E DRY 195 dehumidifiers remove up to seven 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 195 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 195 dehumidifiers to cost less than other commercial dehumidifiers of equal capacity.

The Hi-E DRY 195 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 with a NEMA 5-20P plug; 115 volt with ground.

### Water Removal Rates (Pints/Day)

370 pints	90°F, 90%
293 pints	80°F, 80%
<b>195 pints</b>	<b>80°F, 60% (AHAM)</b>
160 pints	70°F, 60%
120 pints	70°F, 50%
97 pints	55°F, 75%
63 pints	60°F, 50%
35 pints	45°F, 70%



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1.877.420.1330

www.QuestClimate.com



ETL Listed



### Specifications

Part Number	4036710
Supply Voltage	115 VAC 13.1 amps
Power	1500 Watts @ 80°, 60%
Water Removal	195 pints (80°, 60%)
Blower	610 CFM
Operating Range	40°F–110°F
Filters	16"×20"×2" 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:	130 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

### Capacity; Pints per Day

		Relative Humidity					
		30	40	50	60	70	80
Air temp	50				40	52	63
	60		35	63	88	110	162
	70		81	120	159	180	205
	80		107	155	195	210	250
	85		115	160	198	230	262
	90		127	175	210	252	285

### Minimum Performance at Set Conditions

Intake Air	70° 60%	80° 60%
Water removal/day	167 Lbs	201 Lbs
Pints/KWH	4.9	5.4

