

HI-E DRY 195

High-Efficiency Dehumidifier

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.
- Contains a blower switch that permits continuous blower operation independent of dehumidification.
- Portable and provided with four casters.
- Contains an internal condensate pump capable of lifting condensate 17 feet and 20 feet of condensate hose.
- Wiring is through a factory installed six foot power cord; 115 volt with ground.

Water Removal Rates (Pints/Day)

312 pints	90°F, 90%
239 pints	80°F, 80%
183 pints	80°F, 60% (AHAM)
197 pints	70°F, 80%
105 pints	70°F, 60%
159 pints	60°F, 80%
72 pints	60°F, 60%
81 pints	50°F, 80%
40 pints	50°F, 60%

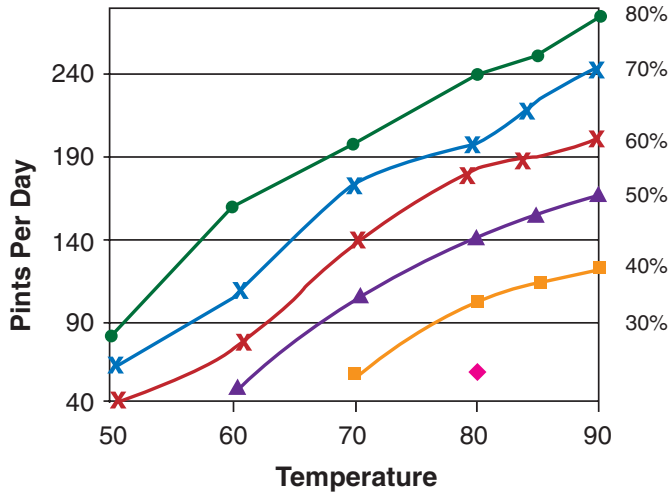


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Capacity; Pints per Day

		Relative Humidity					
		30	40	50	60	70	80
Air temp	50				40*	62*	81*
	60			47*	72*	105*	159
	70		57*	103	137	173	197
	80	59	102	141	183	198	239
	85		112	155	190	225	252
	90		122	168	203	245	275



Minimum Performance at Set Conditions		
Intake Air	70° 60%	80° 60%
Water removal/day	143 Lbs	190 Lbs
Pints/KWH	5.0	5.9

Specifications

Part Number	4023631
Power	115 VAC 12 amps
Kilowatts	1.25 (80° 60%)
Water Removal	183 pints (80°, 60%)
Blower	540 CFM
Operating Range	33°F–110°F
Filters	16"x16"x2" Pleated Media, 30% MERV-6
Warranty	Five years: 1st year 100% of Parts and Labor 2nd-5th year 100% of Parts of sealed refrigerant system

Dimensions

	Unit	Shipping
Width:	36.6"	39.25"
Height:	42"	48.75"
Depth:	19"	30"
Weight:	175 lbs	214 lbs

Accessories and Replacement Air Filters

4021799	16" x 16" x 2" Pleated Media Filter 30% MERV-6
4023603	Duct Collar Kit, Optional



HI-E DRY
HIGH EFFICIENCY DEHUMIDIFICATION



Therma-Stor LLC

Driven by performance. Powered by design.™

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