HI-E DRY

THE HIGH-EFFICIENCY DEHUMIDIFIER

Model 195

HI-E DRY dehumidifiers are designed and built with emphasis on efficiency and durability. Today's HI-E Dry 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 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 dehumidifiers to cost less than other commercial dehumidifiers of equal capacity.

The **HI-E DRY Model 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)

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

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

Power	115 VAC 12 amps
Kilowatts	1.25 (80° 60%)
Blower	540 CFM
Capacity (24 hrs.)	183 pints (80°, 60%)
Temp. Range	33°F–110°F
Warranty	5 Year Limited

Dimensions

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

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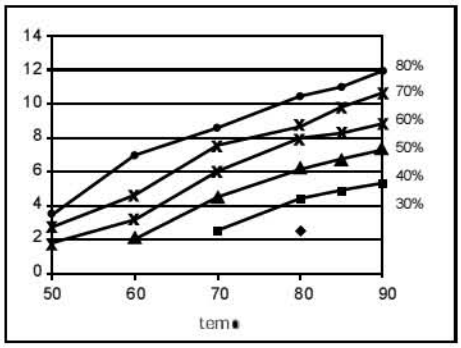
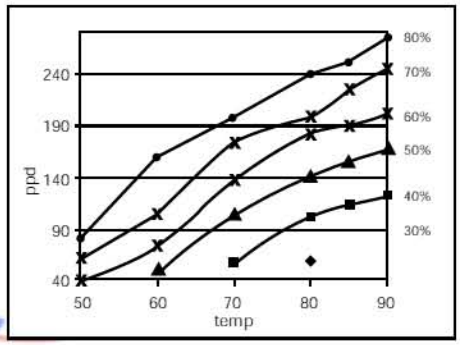
Lbs per Hour

Air temp \ Relative Humidity	30	40	50	60	70	80
50				1.73*	2.68*	3.51*
60			2.04*	3.12*	4.55*	6.89
70		2.47*	4.46	5.94	7.50	8.54
80	2.56	4.42	6.11	7.93	8.58	10.36
85		4.85	6.72	8.23	9.75	10.92
90		5.29	7.28	8.80	10.62	11.92



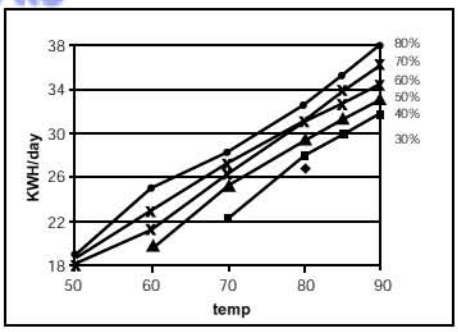
Capacity; Pints per Day

Air temp \ Relative Humidity	30	40	50	60	70	80
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



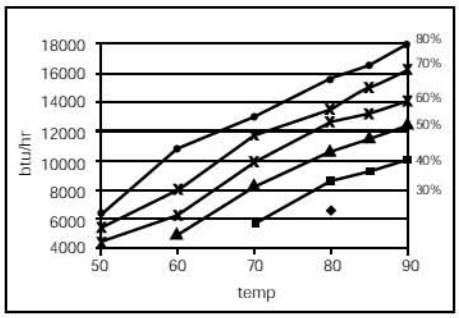
KWH per Day

Air temp \ Relative Humidity	30	40	50	60	70	80
50				18.2*	18.5*	18.8*
60			19.7*	21.3*	22.8*	25.0
70		22.4*	25.5	27.2	27.2	28.1
80	26.9	28.0	29.2	31.2	31.2	32.5
85		29.9	31.3	33.7	33.7	35.2
90		31.7	33.3	34.5	36.2	37.9



BTUs per Hour

Air temp \ Relative Humidity	30	40	50	60	70	80
50				4403*	5444*	6349*
60			4934*	6296*	8007*	10771
70		5772*	8300	9971	11719	12936
80	6502	8610	10551	12684	13422	15468
85		9334	11485	13272	15003	16442
90		10044	12359	14118	16266	17869



*Specifications subject to change without notice

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