

HI-E DRY

THE HIGH-EFFICIENCY DEHUMIDIFIER

HI-E DRY MODEL 195

SPECIFICATION

1-1 High efficiency dehumidifier that utilizes refrigeration to cool the incoming air stream below its dewpoint 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.

1-2 The unit is controlled by a dehumidistat with settings from 20 to 80 percent relative humidity and a positive "on" and "off" setting.

1-3 The unit contains a blower switch that permits continuous blower operation independent of dehumidification.

1-4 The unit is portable and provided with four casters.

1-5 The unit contains an internal condensate pump capable of lifting condensate 12 feet, and 20 feet of condensate hose.

1-6 The wiring of the unit is through a factory installed six foot power cord; 115 volt with ground.

1-7 Capacities and Performance

Blower	540 CFM
Kilowatts (80° 60%)	1.25
Supply Voltage	115-1-60
Running Amps	12.0 (Std.)

**Specifications subject to change without notice.*

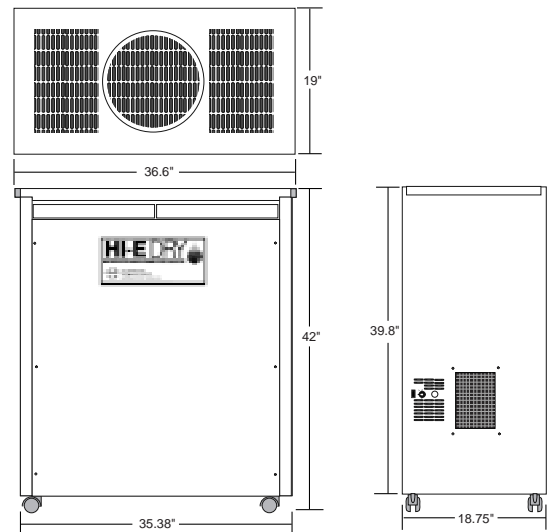
Minimum Performance at Set Conditions

Intake Air	70° 60%	80° 60%
Water removal (per day)	143 LBS	190 LBS
Pints/KWH	5.0	5.9

1-8 The HI-E DRY Model 100 is only manufactured by Therma-Stor Products, div. of DEC International, Inc. Madison, Wisconsin.

Model Dimensions

	<u>Unit</u>	<u>Shipping</u>
Width:	36.6"	39.25"
Height:	42"	48.75"
Depth:	19"	30"
Weight:	175 lb	214 lb



Therma-Stor Products

a division of DEC International, Inc.

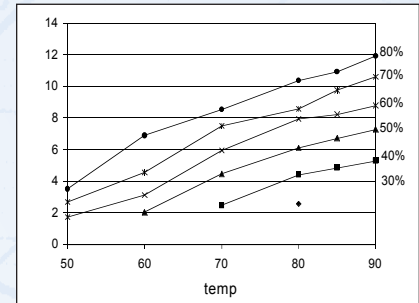
HI-EDRY

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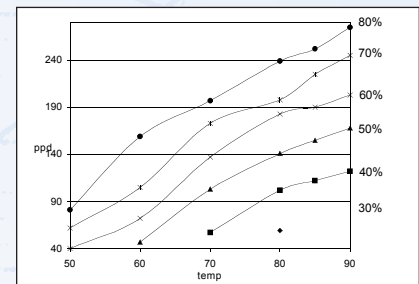
Lbs per Hour

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



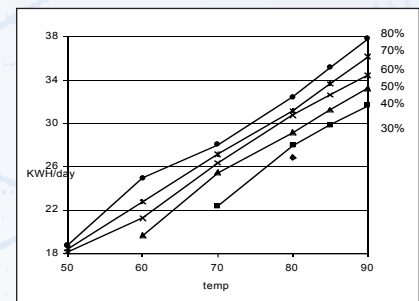
Capacity; Pints per Day

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



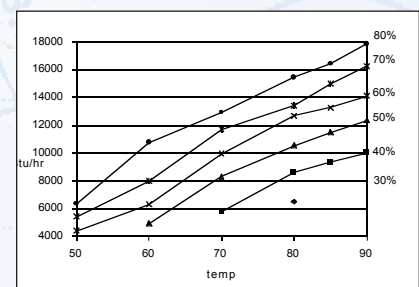
KWH per Day

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



* Defrost conditions

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