

HI-E DRY

THE HIGH-EFFICIENCY DEHUMIDIFIER

Model 100

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 100** 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%	172 pints
80°F, 80%	129 pints
80°F, 60%	106 pints
70°F, 80%	113 pints
70°F, 60%	83 pints
60°F, 80%	94 pints
60°F, 60%	64 pints
50°F, 80%	67 pints
50°F, 60%	25 pints

Minimum Performance at Set Conditions

Intake Air	70° 60%	80° 60%
Water removal/day	86 Lbs	110 Lbs
Pints/KWH	6.0	6.8

Specifications

Power	115 VAC 7 amps
Kilowatts	0.61 (80° 60%)
Blower	255 CFM
Capacity (24 hrs.)	106 pints (80°, 60%)
Temp. Range	33°F–110°F
Warranty	5 Year Limited

Dimensions

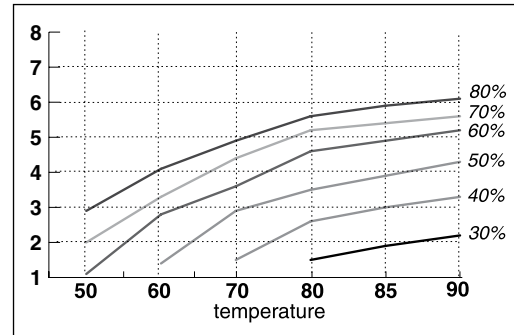
	Unit	Shipping
Width:	20"	25"
Height:	36"	41"
Depth:	17"	24"
Weight:	110 lbs	125 lbs

Call 1-800-533-7533 for a free, no obligation consultation and equipment estimate.

MODEL 100

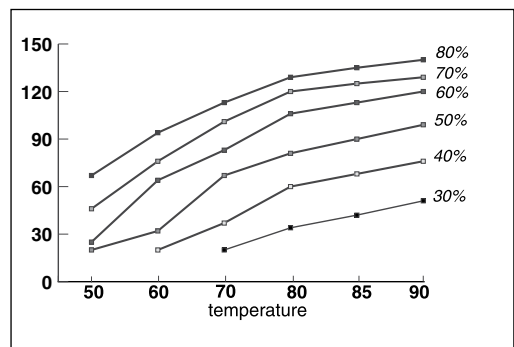
Lbs per Hour

		Relative Humidity					
		30	40	50	60	70	80
Air temp	50				1.1	2.0	2.9
	60			1.4	2.8	3.3	4.1
	70		1.5	2.9	3.6	4.4	4.9
	80	1.5	2.6	3.5	4.6	5.2	5.6
	85	1.9	3.0	3.9	4.9	5.4	5.9
	90	2.2	3.3	4.3	5.2	5.6	6.1



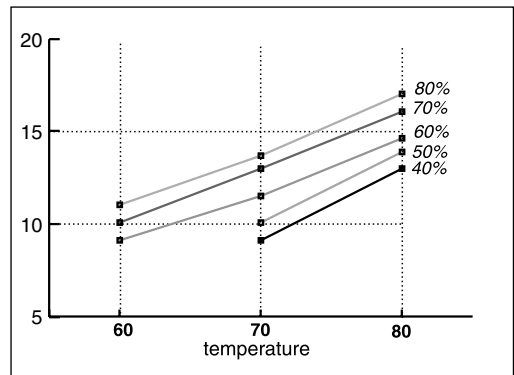
Capacity; Pints per Day

		Relative Humidity					
		30	40	50	60	70	80
Air temp	50				25	46	67
	60			32	64	76	94
	70		37	67	82.9	101	113
	80	34	60	81	106	120	129
	85	42	68	90	113	125	135
	90	51	76	99	120	129	140



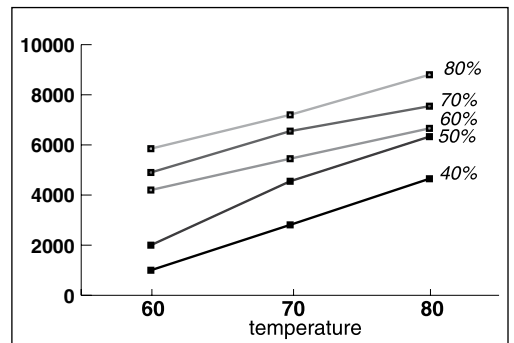
KWH per Day

		Relative Humidity				
		40	50	60	70	80
Air temp	60			0.91	10.1	11.0
	70	9.1	10.1	11.5	13.0	13.7
	80	13.0	13.9	14.7	16.1	17.0



BTUs per Hour

		Relative Humidity				
		40	50	60	70	80
Air temp	60			4200	4900	5850
	70	2810	4550	5450	6550	7200
	80	4650	6330	6660	7545	8800



*Specifications subject to change without notice