

# 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)

|                  |                         |
|------------------|-------------------------|
| 320 pints        | 90°F, 90%               |
| 245 pints        | 80°F, 80%               |
| <b>192 pints</b> | <b>80°F, 60% (AHAM)</b> |
| 205 pints        | 70°F, 80%               |
| 150 pints        | 70°F, 60%               |
| 162 pints        | 60°F, 80%               |
| 91 pints         | 60°F, 60%               |
| 81 pints         | 50°F, 80%               |
| 40 pints         | 50°F, 60%               |

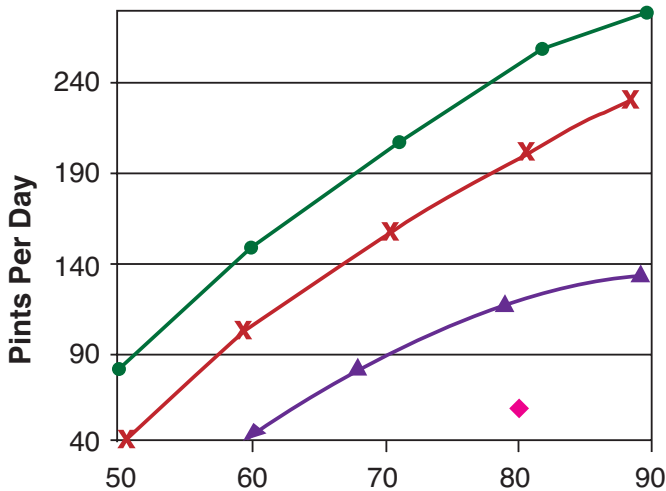


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### Capacity; Pints per Day

|          |    | Relative Humidity |     |     |     |     |     |
|----------|----|-------------------|-----|-----|-----|-----|-----|
|          |    | 30                | 40  | 50  | 60  | 70  | 80  |
| Air temp | 50 |                   |     |     | 40  | 65  | 81  |
|          | 60 |                   | 30  | 60  | 95  | 110 | 162 |
|          | 70 |                   | 65  | 120 | 150 | 180 | 205 |
|          | 80 |                   | 110 | 150 | 192 | 205 | 245 |
|          | 85 |                   | 115 | 160 | 198 | 230 | 262 |
|          | 90 |                   | 127 | 175 | 210 | 252 | 285 |



### Minimum Performance at Set Conditions

|                   | 70° 60% | 80° 60% |
|-------------------|---------|---------|
| Intake Air        | 70° 60% | 80° 60% |
| Water removal/day | 156 Lbs | 200 Lbs |
| Pints/KWH         | 5.4     | 5.9     |

ETL Listed



### Specifications

|                 |   |
|-----------------|---|
| Part Number     | 4030060   |
| Power           | 115 VAC 12 amps                                       |
| Kilowatts       | 1.25 (80° 60%)  |
| Water Removal   | 192 pints (80°, 60%)                                  |
| Blower          | 540 CFM   |
| Operating Range | 33°F–110°F  |
| Filters         | 16"x16"x2" Pleated Media, (P/N 4021799)<br>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: | 40"     | 48.75"   |
| Depth:  | 19"     | 30"      |
| Weight: | 180 lbs | 214 lbs  |

### Accessories and Replacement Air Filters

|         |  |
|---------|--|
| 4021799 | 16" x 16" x 2" Pleated Media Filter 30% MERV-6 |
| 4023684 | Duct Kit, Optional                             |
| 4020175 | 115V Remote Dehumidistat, Optional             |



**HI-E DRY**  
HIGH EFFICIENCY DEHUMIDIFICATION



**Therma-Stor** LLC

Driven by performance. Powered by design.™

4201 Lien Rd  
Madison, WI 53704  
www.QuestProtect.com

608-237-8400  
1-800-533-7533  
sales@QuestProtect.com