

## Phoenix: Thermastor 200 HT Dehumidifier (Free Shipping!)



Model : 4025900

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Manufacturer : Therna-Stor

Phoenix 200 HT LGR Dehumidifier

The Phoenix 200 HT is the ultimate in low grain refrigerant dehumidification and high temperature performance. The 200 HT is the first LGR dehumidifier designed to maintain maximum water removal capacity through ambient conditions up to 120&deg;F.

The Phoenix 200 HT, featuring its patent-pending technology, not only allows superior performance and greater CFMs in high ambient temperatures, but also exceeds the performance and efficiency of the original Phoenix 200 MAX under all conditions.

### Faster Drying Means Happier Customers

The Phoenix 200 HT's ability to perform in temperatures above 90&deg;F offers two major advantages over other standard LGR's. First, drying at higher temperatures speeds the evaporation of moisture in the structure when compared to cooler temperatures. Second, the Phoenix 200 HT reduces the need to remove drying equipment to control temperature inside the affected area.

The downward-focused exhaust airflow directs dehumidified low-grain air toward the floor, while a raised base improves drying directly under the dehumidifier. The Phoenix 200 HT also features a recessed condensate outlet, inboard wheels, increased airflow with higher static pressure and an improved skid plate design.

As always, Phoenix dehumidifiers feature significant air filtration. The standard 65% MERV-11 filter removes over 90% of seven-micron particles (the size of a human red blood cell). This filtration improves the air quality in the areas being dried and assures the continued optimal performance of the refrigeration system.

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The multiple ducting options on the Phoenix 200 HT allow for ducting both the intake air and the filtered, dehumidified exhaust air.

### High Temperature Performance

The Phoenix 200 HT is designed to maintain water removal capacity up through 120&deg;F. In order to accomplish this, Phoenix engineers created a highly effective method of bypassing ambient air over the condenser when ambient temperatures are above 80&deg;F.

Above 80&deg;F - When used in high temperature conditions (above 80&deg;F), the refrigerant pressure inside the condenser rises. By removing the grain control magnet from the by-pass openings, additional airflow is directed over the condenser and less airflow is directed across the evaporator. This airflow lowers the refrigerant pressure in the condenser while also slowing down the air across the evaporator, which allows the air to reach its dew point.

Between 50&deg;F and 80&deg;F - When used in normal dehumidifier operating temperatures (50&deg;F to 80&deg;F), the grain control magnet should cover the bypass openings. This allows increased airflow across the evaporator and increases performance by increasing the amount of air that is dehumidified.

Below 50&deg;F - When the Phoenix 200 HT is used in very cool operating temperatures (below 50&deg;F), frost will form on the evaporator coil as it dehumidifies. When enough frost forms, the defrost thermostat will initiate the timed defrost cycle. The cycle periodically turns off the compressor while allowing the blower to run. The grain control magnet should cover the bypass openings in this operating range because the increased airflow and static pressure will help defrost the evaporator more quickly and efficiently.

### Phoenix 200 HT Specifications

Part No.:  
4025900

Power:  
7.5 amps, 110-120 VAC, Grounded

Water Removal:  
140 pints/day @ AHAM (80&deg;F, 60%) Removal  
26 gal/day @ saturation

Equipment: Restoration > Dehumidifier > Phoenix: Thermastor 200 HT Dehumidifier (Free Shipping!)

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32 gal/day maximum @ saturation

Blower:  
335 CFM

Operating Range:  
33&deg;F to 125&deg;F

Filters:  
16" x 20" x 2" Pleated Media  
MERV-11

Duct Options:  
Intake - 12" Flex-Duct  
Supply - 10" Lay-Flat

Warranty:  
Five years  
1st year 100% of Parts and Labor  
2nd-5th year 100% of Parts of sealed  
refrigeration system.

### Dimensions

Machine  
Shipping

Width:  
20.25"  
24"

Height:  
40"  
45.25"

Depth:  
21.375"  
25.5"

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Weight:

138 lbs

164 lbs

### Popular Accessories And Replacement Filters

4024750

12" x 25' Intake Flex Duct

4024935

10" x 250' Lay-flat Duct

40224969

16" x 20" x 2" Pleated Media

MERV-6

4021475

Standard 16" x 20" x 2" Pleated  
Media MERV-11

4024440

Kestrel 3000 Multi-Meter

4026600

Phoenix Solution LGR Performance Amplifier

### Literature (PDF Documents)

- Spec Sheet
- Manual

~~Price : \$2,485.00~~

**Special price : \$2,144.00**

*Equipment: Restoration > Dehumidifier > Phoenix: Thermastor 200 HT Dehumidifier (Free Shipping!)*

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*Availability: This product was added to our catalog on Tuesday 24 May, 2005*

Steambrite Supply