

PHOENIX 200 HT LGR DEHUMIDIFIER

High Temperature Performance

The Phoenix 200 HT is the first LGR dehumidifier designed to maintain water removal capacity through ambient conditions up to 120°F. The Phoenix 200 HT features patent-pending technology that results in superior high ambient temperature performance and greater CFM. In addition to the high temperature improvements, the Phoenix 200 HT exceeds the performance and efficiency of the original Phoenix 200 MAX under all conditions.

The Phoenix 200 HT's ability to perform in temperatures above 90°F offers two major advantages over other standard LGR's. First, drying at higher temperatures speed 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. Both advantages lead to faster drying and happier customers.



Improved drain connection, air exhaust and cord relief.

The Phoenix 200 HT features include a downward focused exhaust airflow which directs dehumidified

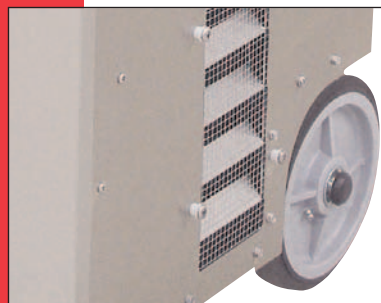
low grain air toward the floor, a raised base that improves drying directly under the dehumidifier, a recessed condensate outlet, in-board wheels, increased airflow with higher static pressure and an improved skid plate design.

Phoenix dehumidifiers have always featured significant air filtration. The standard MERV-11 filter removes over 90% of 7 micron particles (the size of a human red blood cell). This filtration improves the air quality in the areas being dried and assures continued optimal performance of the refrigeration system.

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



- 7.5 Amps
- 140 Pints/Day at AHAM
- Multiple Ducting Options
- Most Performance/All of the Features



Inboard wheels allow for tighter storage and improve maneuverability.



A skidplate protects the Phoenix 200 HT from damage while loading, unloading and in transport.

The **Only Choice** for
Restoration Professionals

 **PHOENIX**
RESTORATION EQUIPMENT™

High Temperature Performance

The Phoenix 200 HT is designed to maintain water removal capacity up through 120°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 90°F.

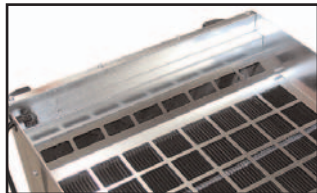
Above 90°F - When used in high temperature conditions (above 90°F), the refrigerant pressure inside the condenser rises. By removing the grain control magnet from the bypass openings, additional airflow is directed over the condenser and less airflow is directed across the evaporator. This airflow lowers 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°F and 90°F - When used in normal dehumidifier operating temperatures (50°F to 90°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°F - When the Phoenix 200 HT is used in very cool operating temperatures (below 50°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.



Bypass closed (normal temp operation).



Bypass open (high temp operation).

Multiple Ducting Options



Phoenix 200 HT Specifications

Part No.	4025900	
Power	7.5 amps, 110-120 VAC, Grounded	
Water Removal	140 pints/day @ AHAM (80°F, 60%) 30 gal/day maximum @ saturation	
Blower	325 CFM	
Operating Temp. Range	33°F to 125°F	
Filters	16" x 20" x 2" Pleated Media MERV-11	
Duct Options	Intake	12" Flex-Duct
	Exhaust	10" Lay-Flat
Warranty	5 years; 1st year 100% 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"
Weight	138 lb	164 lb

Popular Accessories And Replacement Filters

4024750	12" x 25' Intake Flex Duct
4024935	10" x 250' Lay-flat Duct
4021475	16" x 20" x 2" Pleated Media MERV-11
4024440	Kestrel 3000 Multi-Meter

ETL Listed



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