

Phoenix 200 HT

High-Temperature Performance

Hi-Temp Performance, Bypass Technology

The Phoenix 200 HT is the ultimate XL size low grain refrigerant dehumidifier with high temperature performance. The 200 HT is designed to achieve maximum water removal capacity through ambient conditions up to 125°F.

The Phoenix 200 HT, featuring its patented Bypass Technology and innovative engineering design, allows superior performance in high ambient temperatures.

Faster Drying Means Happier Customers

The Phoenix 200 HT's performance in temperatures above 90°F offers two major advantages over 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



Downward-focused air exhaust directs low-grain air toward the floor.



Hinged lid for quicker, easier access to filter, cord, and hose.



Solid state controls - easy to read and operate.

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.

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



LGR Size
XL

Patented
BYPASS
TECHNOLOGY

Features

- **Improved water removal**
135 pints/day at AHAM, 31 gals/day maximum
- **Improved grain depression**
The driest air from an LGR
- **Multiple air filter options**
Standard 65% MERV-11
- **Multiple ducting options**
12" intake, 10" layflat supply
- **7.2 amps**
Removes over 6.5 pints/kWh
- **R410a Refrigerant**
- **Stainless steel cabinet**
- **Internal pump with 30 feet of hose**
- **Five-year warranty on the sealed refrigeration system**



Inboard wheels allow for tighter storage and improve maneuverability.



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

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Specifications

Part No.	4029970
Power	7.2 amps, 110-120 VAC, Grounded
Water Removal	135 pints/day @ AHAM (80°F, 60%) 250 pints/day @ saturation 31 gal/day maximum @ saturation
Blower	380 CFM
Operating Range	33°F to 125°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

	Unit	Shipping
Width	20"	24"
Height	40"	47"
Depth	23"	26"
Weight	130 lbs	148 lbs

Popular Accessories And Replacement Filters

4024750	12" x 25' Intake Flex Duct
4024935	10" x 250' Lay-flat Duct
4024969	16" x 20" x 2" Pleated Media MERV-8
4021475	16" x 20" x 2" Pleated Media MERV-11 (Standard)
4022489	4" Mini-Pleat Media 95% MERV-14 (Optional)
4030115	Reed LM-8000 Meter
4026600	Phoenix Solution LGR Performance Amplifier

ETL Listed



Patent 7,246,503
7,281,389

The Phoenix 200 HT is designed to maintain water removal capacity up through 125°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. Removing the bypass magnet from the by-pass openings recommended. Additional airflow is directed over the condenser and less airflow is directed across the evaporator. The additional airflow lowers the refrigerant pressure and temperature in the condenser while slowing down the air across the evaporator. The combination of colder evaporator and slow airflow allow for additional water to be removed from the air.

Below 90°F - When the Phoenix 200 HT is used in normal or cool operating conditions (below 90°F), additional airflow across the evaporator increases performance by increasing the amount of air that is dehumidified. Covering the bypass openings with the magnet is recommended.



Bypass closed (normal temperature operation).



Bypass open (high temperature operation).

Multiple Ducting Options

