

Sentinel HD55P Dehumidifier

FEATURES	Sentinel HD55P
cETL	✓
Rotary Compressor Type	Rotary
More Thorough, and More Quick	✓
Auto Defrosting	✓
Easy Handling	✓
Water Full Protection	✓
Environmental R32 Refrigerant	✓
Automatic Humidistat Control	✓
Memory Starting	✓
Rare Earth Alloy Tube Evaporator	✓
Continuous Model	✓
HVAC Remote System	✓
Low Temperature	✓
Bypass Air Sensor	✓

SPECIFICATIONS	Sentinel HD55P
Power	115 V / 60 Hz
Current	3.51 A
COP	2.3 L/kWh
Size for	Up to 1,500 sq.ft.
Filter	MERV-1 Filter
Airflow	153 CFM, 260 CMH
Sound Pressure Level	< 57 dBA
Feet	Adjustable Feet
Refrigerant	R32
Draining	Gravity Draining / Pump Draining
Defrosting Control System	Auto Defrosting
Functioning Temperature Range	33 - 105 °F
Functioning Humidity Range	25 - 80%
Capacity (80°F, 60% RH)	55 PPD
Weight	44.4 lbs
Dim (L x W x H)	17.64 x 11.69 x 11.85 in

FUNCTION AND APPLICATION

AlorAir **Sentinel HD55P** dehumidifier quickly and effectively removes moisture with less energy than conventional dehumidifiers.

The multifunction dehumidifier can remove 120 PPD at saturation, 55 pints per day at AHAM, up to 1,500 sq. ft, lowering the humidity to comfortable levels in a short period of time. This ETL-listed dehumidifier is made of a metal outer casing that withstands more rugged conditions, ensuring long-term use and easy maintenance. It can also help to resolve damage to inventory and building maintenance due to dampness. Sentinel HD55P was introduced to provide a one-stop service for your humidity problem, the preassembly, external condensate connection point, and side sliding filter, make the installation process simple.

We designed this professional dehumidifier with the modern consumer in mind, smaller size, compact design, rugged handle, easy and safe to transport from job to job, and even from downstairs to upstairs. All special features make it fit for home & commercial applications, widely used in crawl spaces, basements, warehouses, offices and factories where occur corrosion mold growth. Or bedrooms, bathrooms, kitchens, and RVs, help to get the excess moisture out of the air. Auto defrosting system, optional remote control system, strong as the tank, low-temperature operation.

Key Design Features

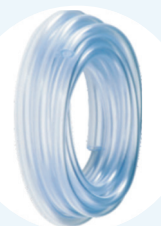
- GLGR Technology
- Supper COP 2.3 L/kWh
- Rare Earth Alloy Tube Evaporator
- Quick Access for Service
- Smallest Size
- HVAC Remote System

Additional Features

- Engineered for low-temperature operation and the airflow issues that crawlspace present
- Optional Remote Control
- Optional Hanging Kits



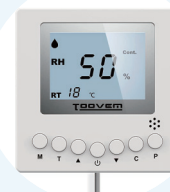
MERV-1 Filter



Wrinkle Free Tube



Cable



Optional Remote Control

EFFICIENT · INTELLIGENT · COMPACT
HOMES · STORES · STORAGE AREAS

Crawl space & Basement Dehumidifier >>

Sentinel HD55P Dehumidifier

APPLICATION	Sentinel HD55P
Crawlspaces	✓
Shops / Bars	✓
Museums / Sports	✓
Water Damage Restoration	✓
Computer Rooms	✓
Basements	✓
Bathrooms	✓
RVs	✓



GLGR Technology

AlorAir exclusive humidity detection and control strategy.

Sentinel HD55P dehumidifier embedded with GLGR technology that automatically adjusts the absolute humidity of the environment, achieves precise humidity matching and ensures that the ambient humidity meets the standard of human physiological needs.

In addition, the Sentinel HD55P dehumidifier improves the energy efficiency and value of the device itself, ensuring energy and money savings while bringing you a great living experience.

AlorAir Hanging Kits For Crawl Space / Basement Dehumidifiers



1. This hanging kit works for the AlorAir Sentinel HD35P, Sentinel HS35, Sentinel HD55P dehumidifier from the floor joists in your crawl space.
2. This pack comes with 4 Ratchet Straps. Use the easy pulley mechanism and adjust the rope as per your desired height. Suspend the dehumidifier in a crawl space, basement or attic setting.
3. It helps to reduce noise and vibration while the dehumidifier is operating when properly installed. No transfer of noise or vibration to the floor above and getting lower space back is comfortable. Also, it provides additional height for proper condensate drainage / removal.
4. Easy to install. Adjustable straps allow the user to easily lower or remove the dehumidifier for cleaning or service when needed.
5. The rope is made from braided polypropylene; this strong and durable material will not fray or rip. It can also hold up to 300 pounds of weight! The hooks are made of zinc-plated stainless.

The components need to be purchased separately!

Humidity Display Screen

The display screen has two functions:

1. When the unit is powered on, it shows the humidity of the space.
2. While setting the desired humidity level, the screen will show the set humidity. After a brief delay, the display will revert to current humidity level.



• Power Indicator Light

This indicator indicates that the device is powered on and ready for operation.

• Continuous Mode

When this light illuminates green, it indicates that the dehumidifier is set to continuous operation mode.

• Pump Pattern Light

Water pump mode, this light is on; Gravity drain mode, this light is off. The default mode of the device is gravity drainage.

• GPP Mode Light

When the compressor is in GPP mode, the light is on. In normal mode, this light is off.

• Two Ways of Drainage

The Sentinel HD55P dehumidifier can either gravity drain or use a pump to drain.

Proven Performance

The Sentinel HD55P dehumidifier is an effective solution to environmental control problems. This unit is of high capacity which can operate at high efficiency to remove moisture from the air through the refrigeration process. The high-efficiency rotary compressor ensures the maximum extraction with the lowest running costs. Tight spaces are no problem for the Sentinel HD55P dehumidifier. Its compact size works perfectly in low crawlspace and small basements without sacrificing power or performance. Designed to fit in a variety of small spaces, the Sentinel HD55P provides multiple installation options with great flexibility.

Sentinel HD55P has the humidity sensor in bypass air design which makes the short-cycling go away and has quick access to internal service. Customers can do it by themselves and service become easy. With excellent airflow, aside sliding filter and some amazing engineering. The unit removes the maximum 55 pints of water per day (AHAM) while with current draw 3.1 Amps.

It is one of the smallest and lightest dehumidifier on the market. This unit is equipped with an auto defrosting system which ensures a quick and efficient clearing of ice from the coil at the minimum operating temperature of 33 °F.

The small compact size makes the unit an ideal choice for installations where space is limited in crawlspaces, basements, living rooms and bathrooms etc.