



# Sentinel HD35P Dehumidifier

## Specifications

| Features                         | Sentinel HD35P |
|----------------------------------|----------------|
| cETL/Energy Star                 | ✓              |
| 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               | ✓              |
| Optional Remote Controller       | ✓              |
| Low Temperature                  | ✓              |
| Bypass Air Sensor                | ✓              |

| Specifications                | Sentinel HD35P         |
|-------------------------------|------------------------|
| Power                         | 115 V / 60 Hz          |
| Current                       | 2.9 A                  |
| COP                           | 2.0 L/kWh              |
| Size for                      | Up to 1,000 sq.ft.     |
| Filter                        | MERV-1 Filter          |
| Airflow                       | 115 CFM                |
| Sound Pressure Level          | < 55 dBA               |
| Feet                          | Adjustable Feet        |
| Refrigerant                   | R32                    |
| Draining                      | Pump Draining          |
| Defrosting Control System     | Auto Defrosting        |
| Functioning Temperature Range | 33.8-110 °F            |
| Functioning Humidity Range    | 25 ~ 80%               |
| Capacity (80 °F, 60% RH)      | 35 PPD                 |
| Weight                        | 39.7 lbs               |
| Dim (L × W × H)               | 15.35 × 11.2 × 11.4 in |

## Application

AlorAir **ENERGY STAR** certified **Sentinel HD35P** dehumidifier — quickly and effectively removes moisture with less energy than conventional dehumidifiers.

The multifunction dehumidifier can removal 70 PPD at saturation, 35 pints per day at AHAM, up to 1,000 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 HD35P 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, 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, 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, C-ETL. The remote controller design makes this unit an ideal choice for places where remote sensing and controlling is required.

## Key Design Features

- GLGR Technology
- Supper COP 2.0 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
- Remote control equipped



MERV-1



Wrinkle free tube



Cable



Optional Remote Control

EFFICIENT · INTELLIGENT · COMPACT  
HOMES · STORES · STORAGE AREAS

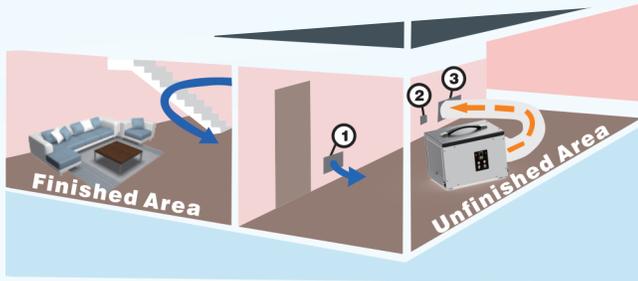
Crawl space & Basement Dehumidifier >>



# Sentinel HD35P Dehumidifier

| Applications             | Sentinel HD35P |
|--------------------------|----------------|
| Crawlspace               | ✓              |
| Shops/Bars               | ✓              |
| Museums/Sports           | ✓              |
| Water Damage Restoration | ✓              |
| Computer Rooms           | ✓              |
| Basements                | ✓              |
| Bathrooms                | ✓              |
| RVs                      | ✓              |

| Applications             | Sentinel HD35P |
|--------------------------|----------------|
| Hotels/Motels/Apartments | ✓              |
| Offices                  | ✓              |
| Laboratories             | ✓              |
| Museums                  | ✓              |
| Storage Areas            | ✓              |
| Restaurants              | ✓              |
| Kitchens                 | ✓              |
| Living Rooms             | ✓              |



## INSTALLATION OF A SENTINEL HD35P WITH A SUPPLY KIT ONLY

1. Passive Return Vent
2. Remote Control (Mounts on opposite Wall in Finished Area, Energize the sensor on Remote Control)
3. Supply Grill

Place the Sentinel HD35P in the unfinished area of the basement near the drain (condensate will be drained out via gravity).

- Place a return grill / passive vent on the other side of the wall that separates the finished and unfinished areas. This will allow circular airflow go through the basement.
- The passive grill will prevent the unfinished room from being placed under a negative pressure and also allow the dehumidifier to focus on keeping the unfinished area dry.
- The Remote Control has the normal remote function, to insulate the noise of unit and also can be used at the Sensor Switch. You can choose the humidity sensor from the unit and Remote Control.
- Be sure to keep all doors open in the basement to help proper air circulation (bedrooms, bathrooms, etc.)



## ALORAIR HANGING KITS FOR CRAWL SPACE AND BASEMENT DEHUMIDIFIERS

1. This hanging kit works for the AlorAir Sentinel HD35P, Sentinel HD55, Sentinel HD90/HDi90 and Storm LGR Extreme 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.

## PROVEN PERFORMANCE

The **Sentinel HD35P** 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 HD35P** 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 HD35P** provides multiple installation options with great flexibility.

**Sentinel HD35P** 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 35 pints of water per day (AHAM) while with current draw 2.9 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 33.8 °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.