

# Sentinel HD55 Dehumidifier

## Specifications

Features	Sentinel HD55
cETL	✓
Compressor Type	Rotary
More Thorough, and More Quick	✓
Ducting options	✓
Auto Defrosting	✓
Easy handling	✓
Water full protection	✓
Environmental R410A 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 HD55
Power	115 V / 60 Hz
Current	4.0 A
COP	2.27 L/kWh
Size For	Up to 1,200 sq.ft.
Filter	MERV-1 Filter
Air flow	120 CFM, 205 CMH
Sound Pressure Level	<52 dBA
Feet	Adjustable Feet
Refrigerant	R410A
Draining	Gravity Draining
Defrosting Control System	Auto Defrosting
Functioning Temperature Range	33.8~104 ° F
Functioning Humidity Range	36~90%
Capacity	53 Pints (80°F, 60%RH)
Weight	44 lbs
Dim (L X W X H)	19.2 x 12.2 x 13.3 in
Loading Quantity	20": 260 Sets; 40": 565 Set; 40" HQ: 678 Sets

## Application

**AlorAir Sentinel HD55** commercial dehumidifier can removal **113 PPD** at saturation, **53 pints per day** at AHAM, up to **1,200 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 **HD55** 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.

**The same fit for crawlspaces & basements** 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 the best for crawlspace, basement, and commercial applications, 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. Optional duct mounting flanges reduce the installation time when connecting to an existing/new ducting system.

## Key Design Features

- Super COP
- Rare earth alloy Tube Evaporator
- Coated Coils with Stainless Side Plate
- Quick Access for Service
- Smallest Size
- HVAC Remote System

## Additional Features

- Engineered for low temperature operation and the air flow issues that crawl spaces present
- Ducting options for divided spaces
- Remote Control equipped



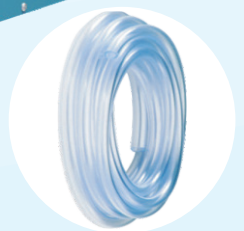
MERV-1  
Filter



Cable



Optional Remote Control



Wrinkle free tube

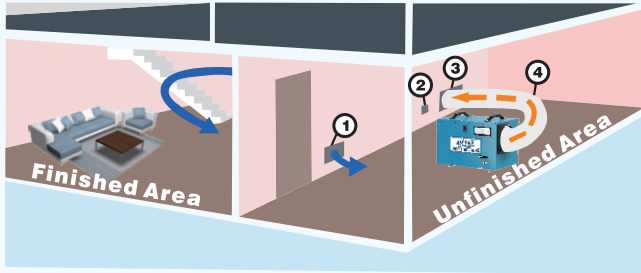
**EFFICIENT • LARGE CAPACITY • COMPACT**  
**INDUSTRY • HOMES • STORES • RESTORATION**

**Commercial & Crawl Space & Basement  
Dehumidifier >>**

# Sentinel HD55 Dehumidifier

Applications	Sentinel HD55
Computer Rooms	✓
Shops/Bars	✓
Museums/Sports	✓
Water Damage Restoration	✓
Crawlspace	✓
Basements	✓

Applications	Sentinel HD55
Hotel/Motel	✓
Offices	✓
Laboratories	✓
Museums	✓
Storage Areas	✓
Restaurants	✓



## INSTALLATION OF A SENTINEL HD55 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
  4. Supply/Discharge Duct Work
- Place the Sentinel HD55 in the unfinished area of the basement near the drain access (condensate will be drained out via gravity).
  - Connecting the Duct Tube on the Collar, supply dry air from the dehumidifier to a large and open area in the finished section of the basement.
  - 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 to go through the basement.
  - The passive grill will prevent the unfinished room from being placed under negative pressure and also allows the dehumidifier to focus on keeping the unfinished area dry.
  - The Remote Control has the normal restore function, to insulate the noise of the 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 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 HD55** commercial 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 HD55** commercial dehumidifier. Its compact size works perfectly in low crawl spaces and small basements without sacrificing power or performance. Designed to fit in a variety of small spaces, the **Sentinel HD55** provides multiple installation options with great flexibility.

**Sentinel HD55** 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, multiple ducting options, and a side sliding filter, and some amazing engineering, the unit removes the maximum 53 pints of water per day (AHAM) while with a current draw of **4.0 Amps**. It is one of the **smallest** and **lightest dehumidifiers** on the market.

This unit is equipped with an Auto defrost 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 crawl spaces and basements etc.