



## Specifications

# Sentinel HD55S Dehumidifier

Features	Sentinel HD55S
cETL/Energy Star	✓
Compressor Type	Rotary
More Thorough, and More Quick	✓
Ducting options	✓
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 HD55S
Power	115 V / 60 Hz
Current	4.1 A
COP	2.4 L/Kwh
Size For	Up to 1,300 sq.ft.
Filter	MERV-1 Filter
Air flow	130 CFM, 230 CMH
Sound Pressure Level	< 52 dBA
Feet	Adjustable Feet
Refrigerant	R32
Draining	Gravity Draining
Defrosting Control System	Auto Defrosting
Functioning Temperature Range	33.8~104 °F
Functioning Humidity Range	36~90%
Capacity (80°F, 60% RH)	55 PPD
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 Sets; 40"HQ :678 Sets

## Application

The **Sentinel HD55S** Dehumidifier has cETL and ENERGY STAR approved. Energy Star Certified Dehumidifier-quickly and effectively removes moisture with less energy than conventional

dehumidifiers without racking up your energy bill, saving you money. With patent for invention protected, the unit is in the top list of energy star products. This unit has a wide range of crawl spaces, basements, warehouses, offices, factories, shops ,apartments, storage areas, restaurants, bars and museums where occur corrosion mold growth. It can also help to resolve damage to inventory and building maintenance due to dampness. **Sentinel HD55S** was introduced to provide one-stop service for your humidity problem.

The preassembly external condensate connection point and side sliding filter make the installation process simple.

The remote control 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 systems.



## Key Design Features

- Supper COP
- 2.4 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 air flow issues that crawl spaces present
- Ducting options for divided spaces
- Remote Control equipped



MERV-1



Wrinkle free tube



Cable



Optional Remote Control

EFFICIENT • LARGE CAPACITY • COMPACT

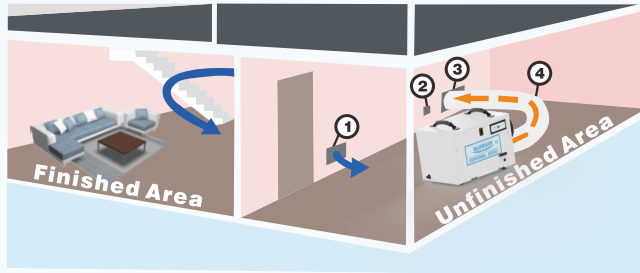
INDUSTRY • HOMES • STORES • RESTORATION

**Crawl space & Basement Dehumidifier>>**



# Sentinel HD55S Dehumidifier

Applications	Sentinel HD55S
Computer Rooms	✓
Shops/Bars	✓
Museums/Sports	✓
Water Damage Restoration	✓
Crawlspace	✓
Basements	✓



## INSTALLATION OF A SENTINEL HD55S 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 HD55S in the unfinished area of the basement near a 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.)

## PROVEN PERFORMANCE

**SAVES YOU MONEY:** Since it is Energy-Star rated, this dehumidifier will quickly remove moisture from the air without running up your utility bill. Energy Star appliances are not just better for the environment, they also cost 30% less to operate compared to non-Energy Star appliances.

The **Sentinel HD55S** 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 HD55S** 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 HD55S** provides multiple installation options with great flexibility.

**Sentinel HD55S** 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 aside sliding filter and some amazing engineering. The unit removes the maximum 55 pints of water per day (AHAM) while with current draw 4.1 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 33.8 °F.

The small compact size makes the unit an ideal choice for installations where space is limited in crawl spaces and basements etc.

Applications	Sentinel HD55S
Hotel/Motel	✓
Offices	✓
Laboratories	✓
Museums	✓
Storage Areas	✓
Restaurants	✓



## ALORAIR HANGING KITS FOR CRAWL SPACE AND BASEMENT DEHUMIDIFIERS

1. This hanging kit works for the AlorAir Sentinel HD55S, 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.