

Sentinel HD55 Dehumidifier

Specifications

Features	Sentinel HD55
Energy Star Listed	✓
Compressor Type	Rotary
More Thorough, And More Quick	✓
Ducting options	✓
Condensate Pump	✗
HGV Defrosting	✓
Easy handling	✓
Water Full protection	✓
Environmental R410A Refrigerant	✓
Automatic humidistat control	✓
Memory Starting	✓
Epoxy Powder Coating	✓
Continuous Model	✓
HVAC Remote System	✓
Remote Control	✓
Low Temperature	✓
Bypass Air sensor	✓

Specifications	Sentinel HD55
Power	115V/60HZ,220V/50HZ
Current(115v/60Hz)	3.9A(115v/60Hz),2.47A(220v/50Hz)
COP(115v/60Hz)	2.4L/Kwh(115v/60Hz),2.95L/Kwh(220v/50Hz)
Size For	Up tp1,300 sq.ft.
Filter	G3
Air flow	240CFM,410CMH
Sound Pressure Level	<45DBA
Refrigerant	R410A
Wheel	Adjustable wheel
Draining	Gravity Draining
Defrosting Control System	HGV Defrosting
Functioning Temperature Range	1~40°C
Functioning Humidity Range	35~95%
Capacity115V(80°F-60%)	55Pints(26L/D)
Capacity220V(30°-80%)	60L(125ppd/D)
Weight	59lbs(27KG)
Dim(W*H*D)	300*450*300mm
Loading quantity	40"HQ :792Sets

Application

The **Sentinel HD55** Dehumidifier has **CE, ETL and is Energy Star** approved. With patent for invention protected, the unit is in the top list of **energy efficient products**. This unit has a wide range of applications including crawlspaces, 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 HD55** 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 humidistat 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

- Hot Gas Valve Defrosting System
- Supper COP Energy Star Listed
- 2.4L/Kwh(115v/60Hz),2.95L/Kwh(220v/50Hz)
- 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



EFFICIENT • LARGE CAPACITY • COMPACT

Cable

Remote Control

INDUSTRY • HOMES • STORES • RESTORATION

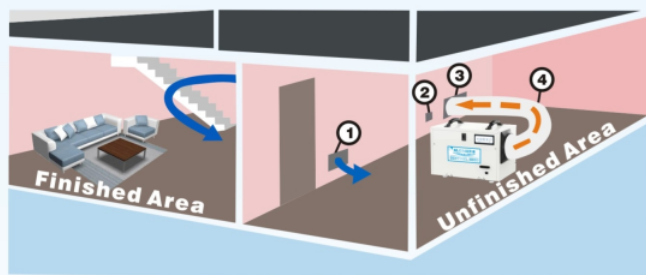
Crawlspace&Basement Dehumidifier >>

HD55 Sentinel Dehumidifier

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

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

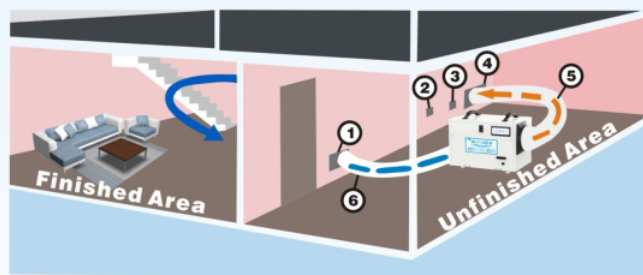
Installation of a Sentinel HD55 with a Supply Kit only



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 a drain access (condensate will be drained out via gravity).
- Connecting the Duct Tube on 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 air flow 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 retome 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.)

Installation of a Sentinel HD55 with a Supply and Return Kit



1. Return Grill
2. Remote Control (Mounts on opposite Wall in Finished Area, Energize the sensor on Remote Control)
3. Optional Wall Mount Dehumidistat (mounts on opposite wall in finished area)
4. Supply Grill
5. Supply/Discharge Duct Work
6. Return/Intake Duct Work

- Place the **Sentinel HD55** in the unfinished area of the basement, near a drain access (condensate will be drained out via Pump).
- Using the supply and return duct kit, supply dry air from dehumidifier to a large and open area of the finished basement. Use the return duct kit to draw air back through the dehumidifier.
- Be sure the return and supply are at least 10 feet away from each other for proper air flow through the basement. Add a passive grill between the finished and unfinished areas (*or have a 2" gap under the door separating the two rooms). This will help to keep the unfinished area dry as well.
- The Remote Control can be used for normal retome 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 the Remote Control.
- Be sure to keep all doors open in the basement to help proper air circulation (bedrooms, bathrooms, etc.)

PROVEN PERFORMANCE

The **Sentinel HD55** dehumidifier is 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** dehumidifier. Its compact size works perfect in low crawlspaces 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 make the short-cycling go away and have 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 55 pints of water per day (AHAM) while with current draw 3.9 amps. It is one of the **smallest and lightest** dehumidifier on the market. This unit is equipped with a "**Hot Gas**" **defrost system** which ensures a quick and efficient clearing of ice from the coil at the minimum operating temperature of 2°C.

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

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