

**WHOLE HOUSE DEHUMIDIFIER FOR CRAWL SPACE & BASEMENT**

# Guardian SN90



Optional Remote Control      Optional MERV-8 Filter      Winkle-Free Tube

## Proven Performance

- **SAVES YOU MONEY:** this dehumidifier will quickly remove moisture from the air without running up your utility bill.
- The Guardian SN90 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 Guardian SN90 dehumidifier. its compact size works perfectly in low crawlspaces and small basements without sacrificing power or performance. Designed to fit in a variety of small spaces, the Guardian SN90 provides multiple installation options with great flexibility.
- Guardian SN90 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 90 pints of water per day (AHAM) while with a current draw of 5.56 amps.
- It is one of the smallest and lightest dehumidifier on the market. This unit is equipped with an auto defrosting system that 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 i.e. crawl spaces and basements.

## Key Design Features

- Super COP
- 2.69 L/kWh
- Through pipe drainage
- 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



## Specifications

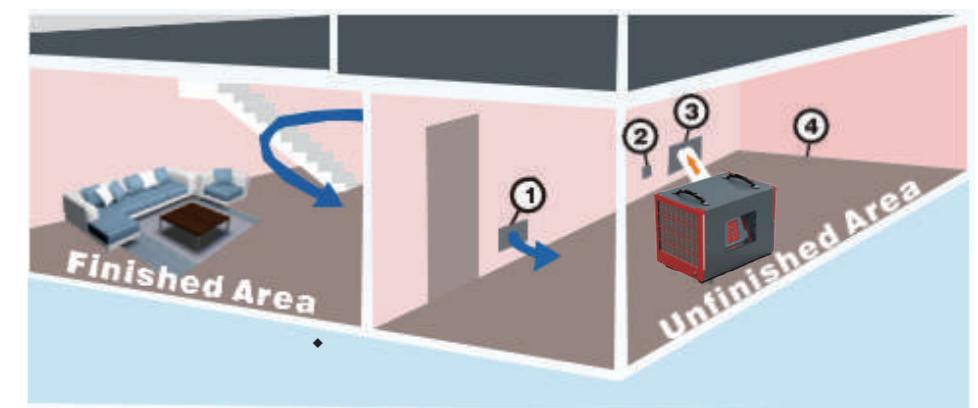
Power	Feet	Refrigerant
5.56 amps, 115 V, 60 Hz, Transpar-ent Indicated Lighting Plug	Adjustable Feet	R32
Cord	Capacity	Static pressure
18 ft Power Cord	47.71 PPD	2.8 in. (H2O)
Airflow	Weight	Dim (W x H x D)
210 CFM, 350 CMH	69 lbs	22 x 14 x 16.4 inch
Sound Pressure Level	Filters	Loading quantity
< 58 dBA	Pre Filter (Optional MERV-8 Filter)	20": 144 Sets; 40": 300 Sets; 40" HQ: 375 Sets



## Application:

- The Guardian SN90 Dehumidifier has cETL approved.
- The Guardian SN90 dehumidifier is designed specifically for crawl spaces and basements. Low noise level, great COP, 2.69 L/kWh (115 V / 60 Hz), and huge capacity 90 PPD at AHAM condition. The Guardian SN90 supplements the air conditioning system in the summertime and maintains humidity levels balanced throughout the year.
- Installation flexibility makes the unit ideal for almost any application. No conventional dehumidifier can perform as efficiently and effectively in basements and crawlspaces as Guardian SN90. It is the best choice for residential work and restoration jobs and is suitable for households, shops, storage areas, industrial institutions, and garage applications, etc... The remote humidistat design makes this unit ideal for places where remote sensing and control are required. Optional duct mounting flanges reduce the installation time when connecting to existing / new ducting systems.

- + Crawlspac
- + Shops / Bars
- + Museums / Sports
- + Water Damage Restoration
- + Computer Rooms
- + Basements
- + Hotel / Motel
- + Offices
- + Laboratories
- + Museums
- + Storage Areas
- + Restaurants



## INSTALLATION OF A Guardian SN90 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 Guardian SN90 in the unfinished area of the basement near drain access (condensate will be drained out via pump).
- 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 air flow to go through the basement.
- The passive grill will prevent the unfinished room from being placed under a negative reaure and also allow the dehumidifier to focus on keeping the unfinished area dry.
- The Remote Control can be used for the normal remote function, to insulate the noise of the unit and also can be used at the Senser 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.)



**The Guardian SN90 has a 5 years warranty.**

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