



Studies have shown that as much as 50% of the air in your home comes up from your basement or crawlspace. This air is often higher in moisture content and carries with it various allergens and musty odors. When conditions linger above 60% relative humidity for extended periods of time, mold, mildew, and bacteria growth is stimulated.

The American Lung Association, American Medical Association, and the EPA recommend maintaining relative humidity levels in the 30% - 50% range. Ventilation and air conditioning alone cannot provide the protection offered by a high capacity dehumidifier like the Santa Fe Advance.™ Protecting your family and your biggest investment is worth the best.

## "Application-Specific" Design

The Santa Fe Advance was specifically designed for crawlspaces. The unit's horizontal configuration and unique air flow performs exceptionally well in crawlspaces. The optional condensate pump and ducting kits can provide the installation flexibility necessary for almost any application. No conventional dehumidifier can perform as efficiently and effectively in crawlspaces as the Santa Fe Advance.

- **High Efficiency** – ENERGY STAR® for maximum efficiency.
- **Large Capacity** – The high capacity Santa Fe Advance provides 90 pints per day of water removal in crawlspaces up to 2200 sq. ft. This single unit can effectively control conditions that multiple conventional units often struggle with.
- **Low Temperature Operation** – Engineered for crawlspaces and the temperature and air flow issues that they present. When many conventional dehumidifiers have stopped removing water, the Santa Fe Advance continues to protect your family and home.
- **Superior Air Filtration** – MERV-11 filtration is standard on the Santa Fe Advance, capturing particles (including mold spores) down to 1 micron in size. This superior level of air filtration also keeps the Santa Fe Advance working at peak efficiency for longer than other conventional dehumidifiers.
- **Auto Restart** – Santa Fe dehumidifiers will automatically restart at the original setting after a power outage.
- **Optional Equipment** – The engineers at Therma-Stor designed ducting and condensate pump kits for use with the Santa Fe Advance. These optional kits provide the ultimate in flexibility for your specific installation requirements.

\*American Home Appliance Manufacturers (AHAM) standard testing conditions are 80°F and 60% RH.

## Consequences of High Humidity

- The ground in a crawlspace or under the basement slab remains at a near constant temperature of 50-60°F year round. These cool surface temperatures create micro-environments where the relative humidity of the air approaches its saturation point (100%RH) and condensation (or sweating) can occur. The conditions that result support mold/microbial growth and cause musty odors.
- Crawlspaces and basements are a major source of air infiltration that permeates up into the living area, transmitting odors, carrying moisture, and creating an environment conducive to molds, pests, and dust mite infestation.
- Wet crawlspaces and basements contribute to the cupping of wood floors and the deterioration of floor joists, beams, sub-flooring, insulation, and electrical-mechanical systems.
- Excess moisture encourages mold growth on wood and on any other organic material in a crawlspace.

## Large Capacity Dehumidification

Capacities for residential dehumidifiers are measured in pints of water removed per day at standard conditions (80°F and 60% RH) determined by the American Home Appliance Manufacturers (AHAM). At these conditions, the capacity of the Santa Fe Advance is 90 pints per day, while most standard residential units range from 20 to 65 pints of water removal per day. However, most basements and crawlspaces are cooler than 80°F and therefore the water removal capacity of the standard residential unit will be diminished significantly.

A large capacity dehumidifier is necessary to ensure that enough moisture is removed at the real-world temperature of your basement or crawlspace to prevent mold, mildew and bacterial growth. The Santa Fe Advance is a large-capacity dehumidifier designed for these cooler applications.

# Performance and Technical Specs

<b>Part Number:</b>	4029800
<b>Blower:</b>	220 CFM @ 0.0" WG
<b>Power:</b>	710 watts @ 80°F and 60% RH
<b>Supply Voltage:</b>	115 volt – 1phase – 60 Hz
<b>Current Draw:</b>	6.7 amps
<b>Operating Temp.:</b>	56°F Min., 95°F Max.
<b>Sized for:</b>	2200 Sq. Ft. - Typical

## Minimum Performance at 80°F and 60% RH

<b>Water Removal:</b>	90 Pints/Day
<b>Efficiency:</b>	5.3 Pints/kWh
<b>Energy Factor:</b>	2.5 L/kWh
<b>Air Filter:</b>	MERV-11
<b>Efficiency:</b>	Standard 65% Efficient, ASHRAE Dust Spot Test
<b>Size:</b>	12" x 12" x 1"
<b>Power Cord:</b>	8', 110-120 VAC, Ground

**Drain Connection:** 3/4" Threaded NPT

**Drain Hose:** 5/8" ID x 8' Direct Gravity Drain Hose

Dimensions	Unit	with Duct Kit:	Shipping
Width:	14.5"	14.5"	17"
Height:	19.5"	23"	20"
Length:	34"	40.5"	36"
Weight:	67 lbs		73 lbs

"The Santa Fe Advance was remarkably easy to install. Simply place it where you want it, plug it in, and turn it on. Our crawlspace is now significantly drier with no evidence of dampness, mold, or any standing water. I would highly recommend this product to anyone who has trouble with dampness in their crawlspace. It has improved the air quality throughout the house."

— William, Richmond, VA

## Optional Accessories

4025831	Pre-Filter
4028523	Pre-Filter 12-pack
4025568	MERV 11 Filter
4027419	MERV 11 Filter 4-Pack + 1 Pre-Filter
4027425	MERV 11 Filter 12-Pack
4025845	Pump Kit
4028616	Caster Kit
4026450	Leveling Foot Kit
4026055	Duct Kit (Includes Supply and Return)
4027415	8" Flex Duct
4020177	8" Insulated Flex Duct
4020175	Dehumidistat – Honeywell (120 volt)

"I had extremely high humidity and mold in my crawlspace. The Santa Fe Advance worked flawlessly along with the optional condensate pump. Within three days the relative humidity dropped to 60% from 86% – taking out 10+ gallons of water in the first 24 hours! After two weeks the relative humidity is down to 50-53%."

— Graddy, Huntsville, AL

### Remote Hygrometer



4029577  
Displays indoor and outdoor temperature, relative humidity, moon phases, time and date.

Wireless sensor with low temperature adaptor included.

### CRAWLSPACE ALERT™



4030280

Works remotely with your Santa Fe Dehumidifier to provide a warning light when humidity levels are too high in the crawlspace and will automatically turn off the dehumidifier if the overflow safety switch is tripped on the condensate pump.



One of the best Limited Warranties in the industry today –

1 YEAR – All Parts and Labor  
5 YEARS – Sealed Refrigeration System



**NAHB**  
NATIONAL ASSOCIATION OF HOME BUILDERS



MEMBER