

# Santa Fe™ CLASSIC



4029700



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 Classic.™ Protecting your family and your biggest investment is worth the best.

## "Application-Specific" Design

The Santa Fe Classic was specifically designed for basements. The high-capacity (275 cfm) blower on the unit moves air in a way that no small conventional unit can. The Santa Fe Classic's vertical configuration and flow-down design perform exceptionally well in basements, and provide options for installation that no other unit can match. The optional condensate pump and ducting kits provide the flexibility necessary for almost any application. No conventional dehumidifier can perform as efficiently and effectively in basements as the Santa Fe Classic.

- **High Efficiency** – Exceeds ENERGY STAR® efficiency requirements.
- **Large Capacity** – The large capacity Santa Fe Classic provides 110 pints per day of water removal at standard rating conditions.\* Large-sized basements (up to 2500 sq. ft.) are no problem for the Santa Fe Classic.
- **Low Temperature Operation** – Engineered for basements and the temperature and air flow issues that they present. When many conventional dehumidifiers have stopped removing water from the air, the Santa Fe Classic continues to protect your family and your home.
- **Superior Air Filtration** – MERV-11 filtration is standard on the Santa Fe Classic, capturing particles (including mold spores) down to 1 micron in size. This superior level of air filtration also keeps the Santa Fe Classic 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 kits and condensate pumps for use with the Santa Fe Classic. These optional kits provide the ultimate in flexibility for your specific installation requirements.

## 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

The cooler temperatures in basements and crawlspaces create unique humidity control challenges for homeowners.

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 Classic is 110 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 Classic is a large-capacity dehumidifier designed for these cooler applications.

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

# Performance and Technical Specs

<b>Part Number:</b>	4029700
<b>Blower:</b>	275 CFM @ 0.0" WG
<b>Power:</b>	700 watts @ 80°F and 60% RH
<b>Supply Voltage:</b>	115 volt – 1 phase - 60 Hz
<b>Current Draw:</b>	6.4 amps
<b>Energy Factor:</b>	3.0 L/kWh
<b>Operating Temp.:</b>	56°F Min., 95°F Max.
<b>Sized for:</b>	2500 Sq. Ft. - Typical



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

Water Removal:	110 Pints/Day
Efficiency:	6.3 Pints/kWh
<b>Air Filter:</b>	MERV-11
Efficiency:	Standard 65% Efficient, ASHRAE Dust Spot Test
Size:	16" x 20" x 2"
<b>Power Cord:</b>	10', – 110-120 VAC, Ground
<b>Drain Hose:</b>	9/16" ID x 8' Direct Gravity Drain Hose

## Santa Fe Dimensions

	Unit	With Duct Kit	Shipping
Width:	20"	23"	24"
Height:	36"	42 1/2"	43"
Length:	17"	17"	20"
Weight:	110 lbs		117 lbs

"The performance of this dehumidifier is incredible compared to any of the three name brand big-box outlet units that I have replaced over the last six years in identical heat and relative humidity conditions. This unit runs about a 1/3 of the time. (Great Investment)!!!\$\$\$\$"

— Peter

## OPTIONAL ACCESSORIES

4021468	Pre-Filter
4028522	MERV 11 12-Pack Pre-Filters
4021475	MERV 11 Filter
4027417	MERV 11 4-Pack + 1 Pre-Filter
4027424	MERV 11 12-Pack
4024528	Bulk Carbon Granules
4022220	Pump Kit
4022561	Muffler Kit
4021453	Duct Kit w/supply collar
4020656	6" Inlet/Exhaust Hood
4026859	6" Flex Duct
4020128	6" Insulated Flex Duct
4020623	8" Supply Collar
4027415	8" Flex Duct
4020177	8" Insulated Flex Duct
4020175	Dehumidistat – Honeywell (120 volt)

"The Santa Fe Classic was the answer to a wet basement problem I have had for about 5 years, and it took less than a week to remedy."

— Kermit

## 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 –

2 YEARS – All Parts and Labor  
5 YEARS – Sealed Refrigeration System



**NAHB**  
NATIONAL ASSOCIATION  
OF HOME BUILDERS

