

# Santa Fe™ ADVANCE<sup>2</sup>



4034180

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<sup>2</sup>. Protecting your family and your biggest investment is worth the best.

## "Application-Specific" Design

The Santa Fe Advance<sup>2</sup> features dual outlets that are specifically designed to provide the optimal amount of airflow in crawlspaces and basements. The optional condensate pump and duct kit can provide the installation flexibility necessary for almost any application.

- **Quiet Operation** – The Santa Fe Advance<sup>2</sup> is engineered for quiet operation.
- **High Efficiency** – Exceeds ENERGY STAR® efficiency requirements.
- **Large Capacity** – The high capacity Santa Fe Advance<sup>2</sup> provides 90 pints per day of water removal in crawlspaces up to 2200 sq. ft. This single unit can handle the challenges several conventional dehumidifiers often struggle to maintain.
- **Low Temperature Operation** – Engineered for crawlspaces, and the temperature and air flow issues that they present. When many conventional dehumidifiers have stopped removing water from the air, the Santa Fe Advance<sup>2</sup> keeps on protecting you and your home.
- **Superior Air Filtration** – MERV-8 filtration is standard on the Santa Fe Advance<sup>2</sup>. This superior level of air filtration also keeps the unit working at peak efficiency, out performing other conventional dehumidifiers.
- **Auto Restart** – Santa Fe dehumidifiers will automatically restart at the original setting after a power outage.
- **Optional Equipment** – A duct kit and condensate pump are available for use with the Santa Fe Advance<sup>2</sup>. 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. These conditions 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 crawlspaces.

## Basement/Crawlspace Dehumidification

The cooler temperatures in crawlspaces and basements 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 Advance<sup>2</sup> 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.

The Santa Fe Advance<sup>2</sup> is necessary to ensure that enough moisture is removed at the real-world temperature of your crawlspace or basement to prevent mold, mildew and bacterial growth. The Santa Fe Advance<sup>2</sup> is designed for these cooler applications.

# Performance and Technical Specs

<b>Part Number:</b>	4034180	
<b>Blower:</b>	309 CFM @ 0.0" WG	
<b>Power:</b>	640 watts @ 80°F and 60% RH	
<b>Supply Voltage:</b>	115 volt – 1phase – 60 Hz	
<b>Current Draw:</b>	5.7 amps	
<b>Operating Temp.:</b>	49°F Min., 95°F Max.	
<b>Sized for:</b>	2,200 Sq. Ft. - Typical	
<b>Minimum Performance at 80°F and 60% RH</b>		
Water Removal:	90 Pints/Day	
Efficiency:	6.1 Pints/kWh	
Energy Factor:	2.88 L/kWh	
<b>Air Filter:</b>	MERV-8, Standard Pleat	
Size:	14" x 17.5" x 2"	
<b>Power Cord:</b>	10', 115 VAC, Ground	
<b>Drain Connection:</b>	3/4" Threaded Femal NPT	
<b>Drain Hose:</b>	5/8" ID x 8' Direct Gravity Drain Hose	
<b>Refrigerant Type:</b>	R410A (Refer to manufacturers label for more information)	
<b>Refrigerant Amount:</b>	1 lb. 5 oz.	
<b>Dimensions:</b>	<b>Unit</b>	<b>Shipping</b>
Width:	14.5"	23"
Height:	19.4"	30"
Length:	26"	40"
Weight:	80 lbs.	95 lbs.



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## Optional Accessories

4031062	MERV 8 Filter (1.75" x 14" x 17.5")
4033036	MERV 8 Filters 4-Pack
4033037	MERV 8 Filters 12-Pack
4035319	MERV 11 Filter (1.75" x 14" x 17.5")
4035131	MERV 11 Filters 4-Pack
4035132	MERV 11 Filters 12-Pack
4033038	Pump Kit
4028616	Caster Kit
4026450	Leveling Foot Kit
4033039	Duct Kit, Supply Only
4026969	10" Flex Duct 25'
4022126	10" Insulated Flex Duct 25'
4020175	Remote Dehumidistat

The Santa Fe Advance<sup>2</sup> can handle the challenges conventional dehumidifiers often struggle to maintain.

### 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.



401-293-0422



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5 YEARS – Sealed Refrigeration System



**NAHB**  
NATIONAL ASSOCIATION OF HOME BUILDERS

