ADVANCE SERIES | ADVANCE 90

SANTA-FE DEHUMIDIFIERS

FEATURES

- Dual exhaust outlets allow for air distribution to multiple locations
- Horizontal cabinet is conveniently sized for installation in crawl space or basement
- Engineered for quiet operation
- Exceeds ENERGY STAR® efficiency requirements
- MERV-13 filter provides superior air filtration
- Engineered for low temperature operation and the air flow issues that crawl spaces present
- Ducting options for divided spaces
- Auto restart allows the dehumidifier to automatically restart after a power outage

ACCESSORIES

4035319	MERV-11 Filter (14" x 17.5" x 1.75")
4035131	MERV-11 Filters 4-Pack
4035132	MERV-11 Filters 12-Pack
4037722	MERV-13 Filter (14" x 17.5" x 1.75")
4037731	MERV-13 Filters 4-Pack
4037732	MERV-13 Filters 12-Pack
4033038	Pump Kit
4028616	Caster Kit
4036695	Hang Kit
4033039	Duct Kit, Supply Only
4035646	Duct Kit, Return Only
4026969	10" Flex Duct 25'
4022126	10" Flex Insulated Duct 25'
4020175	Remote Dehumidistat

PRODUCT SPECIFICATIONS

Part Number	4034180	
Blower	309 CFM @ 0.0" WG	
Power	640 watts @ 80°F and 60% RH	
Supply Voltage	115 volt – 1phase – 60 Hz	
Current Draw	5.7 amps	
Operating Temperature	49°F Min., 95°F Max.	
Crawl Space Sizing		
Very Tightly Sealed	Up to 3,400 Sq. Ft. (17,000 Cu. Ft.)	
Moderately Sealed	Up to 2,600 Sq. Ft. (13,000 Cu. Ft.)	
Some Leaks & Imperfections	Up to 2,200 Sq. Ft. (11,000 Cu. Ft.)	
Basement Sizing		
Very Tightly Sealed	Up to 2,700 Sq. Ft. (23,000 Cu. Ft.)	
Moderately Sealed	Up to 2,400 Sq. Ft. (20,000 Cu. Ft.)	
Some Leaks & Imperfections	Up to 2,200 Sq. Ft. (18,000 Cu. Ft.)	
Minimum Performance at	80°F and 60%RH	70°F and 60%RH
Water Removal	90 Pints/Day	71 Pints/Day
Efficiency	6.1 Pints/kWh	4.9 Pints/kWh
Energy Factor	2.88 L/kWh	2.3 L/kWh
Air Filter Size	MERV-13, Standard Pleat 14" x 17.5" x 1.75"	
Power Cord	9', 115 VAC, Ground	
Drain Connection	3/4" Threaded Female NPT	
Drain Hose	8' Direct Gravity Drain Hose (5/8" ID x 7/8" OD)	
Refrigerant	R410A, 1 lb., 5 oz.	
Unit Dimensions Shipping Dimensions	14.5"W x 19.4"H x 26"D 23"W x 30"H x 40"D	
Unit Weight Shipping Weight	80 lbs. 95 lbs.	

INSTALLATIONS

Supply Duct Kit

Place the Santa Fe Advance90 in the unfinished area of the basement, near a drain access (condensate will drain via gravity or with an optional pump kit).

Using the supply duct collar, supply the dry air from the dehumidifier into a large, 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 for a circular air flow throughout 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 as well.

The onboard dehumidistat control can be used on the unit for this application or a 120 volt dehumidistat can be placed in the finished basement as well (we recommend using an electrician to run the wiring).

Be sure to keep all doors open to any other rooms in the basement to help with proper air circulation (bedrooms, bathrooms, etc.)

Supply and Return Duct Kit

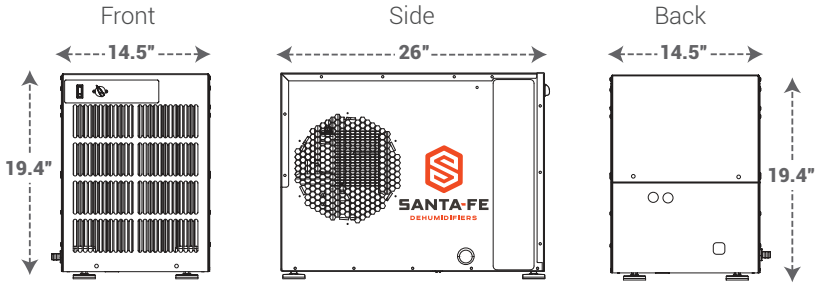
Place the Santa Fe Advance90 in the unfinished area of the basement, near a drain access (condensate will drain via gravity or with an optional pump kit).

Using the supply and return duct kit, supply the dry air from the dehumidifier into a large, 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 throughout 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 keep the unfinished area dry as well.

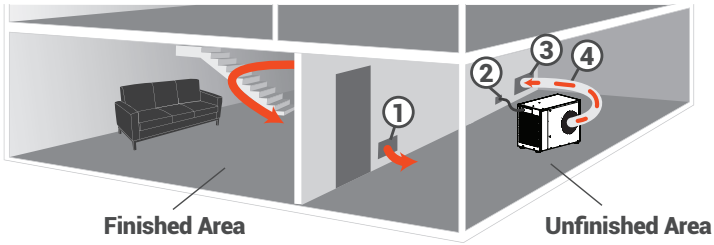
Use the 120 volt, wall mounted dehumidistat for this installation for proper run time on the dehumidifier (we recommend using an electrician to install the separate 120 volt control).

Be sure to keep all doors open to any other rooms in the basement to help with proper air circulation (bedrooms, bathrooms, etc.).



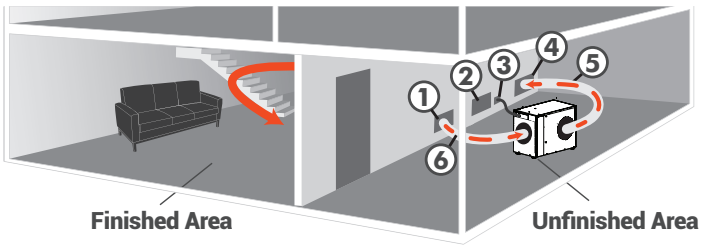
Supply Duct Kit

1. Passive Return Vent
2. Optional Wall Mount Dehumidistat
3. Supply Grill
4. Supply / Discharge Duct Work



Supply and Return Duct Kit

1. Return Grill
2. Passive Return Vent*
3. Optional Wall Mount Dehumidistat
4. Supply Grill
5. Supply / Discharge Duct Work
6. Return / Intake Duct Work



6-YEAR WARRANTY

ENERGY STAR

MADISON, WI