

SANTA-FE ULTRA V100



MODEL 4047100

Water Removal Per Day

80°F / 60% RH @ 0" WC (AHAM)	100 Pints / 12.5 Gallons
73°F / 60% RH @ 0.2" WC (DOE)	82 Pints / 10.25 Gallons
75°F / 55% RH @ 0.2" WC (MANUAL S)	75 Pints / 9.375 Gallons
75°F / 50% RH @ 0.2" WC (MANUAL J)	63 Pints / 7.875 Gallons

Latent Capacity Per Hour

80°F / 60% RH @ 0" WC (AHAM)	4,700 BTUs
73°F / 60% RH @ 0.2" WC (DOE)	3,810 BTUs
75°F / 55% RH @ 0.2" WC (MANUAL S)	3,490 BTUs
75°F / 50% RH @ 0.2" WC (MANUAL J)	2,930 BTUs

Efficiency

80°F / 60% RH @ 0" WC (AHAM)	6.4 Pints/kWh
73°F / 60% RH @ 0.2" WC (DOE)	5.55 Pints/kWh

Energy Factor

80°F / 60% RH @ 0" WC (AHAM)	3.0 L/kWh
73°F / 60% RH @ 0.2" WC (DOE)	2.63 L/kWh

Max. Recommended Ventilation Air 135 CFM

Blower
 385 CFM @ 0.0" WC
 350 CFM @ 0.2" WC
 305 CFM @ 0.4" WC

Fan 107 Watts

Operating Temperature 34°F Min., 105°F Max.

Sizing Up to 2,300 Sq. Ft. / 23,000 Cu. Ft.

Power 620 watts @ 73°F and 60% RH

Supply Voltage 115 volt – 1 phase – 60 Hz

Current Draw 8.0 Amps @ 104°F / 36% RH

Filter MERV-13

Power Cord 10', 115 VAC, Ground

Plug Type B (USA, MEX, CAN, JPN) 

Circuit Requirement 15 Amp Dedicated

Duct Connections 8" Round Inlet, 10" Round Inlet, 10" Round Outlet

Drain Connection 3/4" Threaded Female NPT

Refrigerant R454B, 34 oz.

Unit Dimensions 14.35"W x 24"H x 39.25"D

Unit Weight 101 lbs.

Shipping Dimensions 19.75"W x 28.25"H x 44.2"D

Shipping Weight 113 lbs.

Pallet Quantity 2 per pallet

UPC Number 00810017961917

Shipping Options UPS, LTL, FTL

Project: _____

Date: _____

Location: _____

Contractor: _____

Dealer: _____

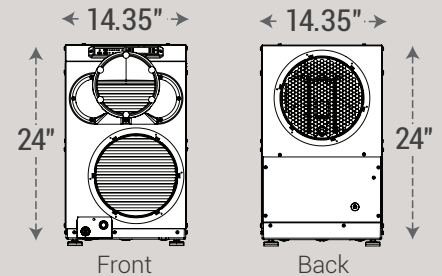
Suppliers: _____

Architect: _____

Engineer: _____



Side



Front

Back



SANTA-FE™
6-YEAR TOTAL PEACE OF MIND WARRANTY
 5-YEAR FULL REPLACEMENT + 1-YEAR PARTS



ENGINEERED & ASSEMBLED
 MADISON, WI

Specifications are subject to change without notice. Performance is based on pints / gallons per day. Sizing is based on 10 foot ceiling height. Unit dimensions and weight are with collars on.

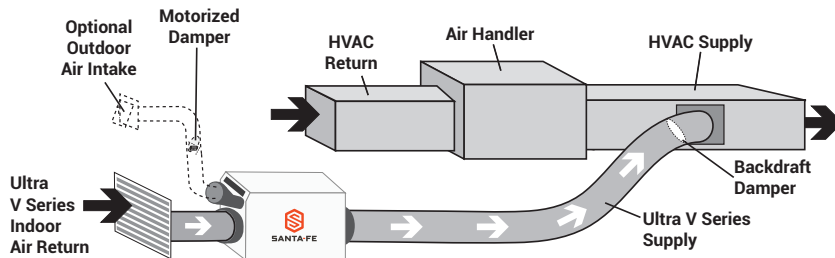
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RECOMMENDED INSTALLATIONS

Dedicated Santa-Fe Return to HVAC Supply - Attic

The recommended installation draws air from a central location through a dedicated return to the dehumidifier and ducts the supply of the dehumidifier to the air supply of the HVAC system. Utilize the optional outdoor air ventilation duct to provide outdoor air.

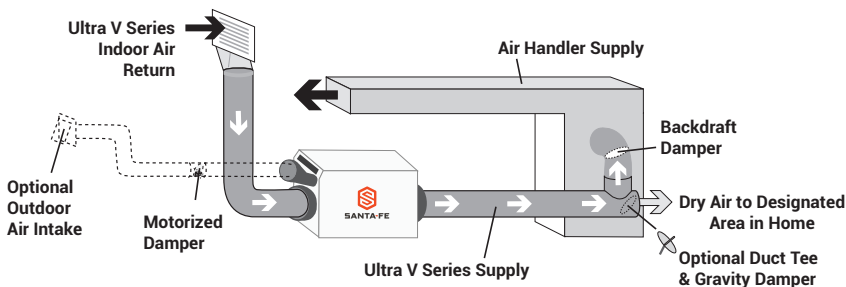
- ✦ Install a dedicated 10" air return for the dehumidifier from a central area of the structure.
- ✦ Duct the supply of the dehumidifier to the supply of the HVAC system with a backdraft damper.
- ✦ If the existing system has multiple returns, instead of installing a dedicated return to the dehumidifier, it is possible to select one to disconnect from the existing HVAC system and use it for the dedicated dehumidifier return. Select a return from a central location in the house that is always open to the rest of the structure. DO NOT use a return from a room where doors are kept closed.
- ✦ DO NOT locate return in a bathroom or kitchen.
- ✦ Control should be located remotely from the dehumidifier and placed in a central location. The Santa-Fe SmartAire™ Remote Sensor is sold separately.



Dedicated Santa-Fe Return to HVAC Supply - Basement or Crawl Space

Install a separate 10" return for the dehumidifier in a central area of the structure. Duct the supply of the dehumidifier to the air supply of the HVAC system with a backdraft damper.

Optional: Duct the supply of the dehumidifier to a 10" x 10" x 10" tee/damper with a gravity draft damper, adjusted to 20% open to the basement. CAUTION: Air takes the path of least resistance. If the upper levels of the living space are not receiving the appropriate amount of dry air, this damper may need to be adjusted. When the dehumidifier is not running, there is a chance that air from the basement or crawlspace will make its way back through the gravity damper and into the living space.



ACCESSORIES



MERV-13 FILTER
PART NUMBER:
4037722-01



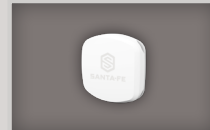
DEH 3000 / DEH 3000R CONTROL
DEH 3000 PART NUMBER: 4028539
DEH 3000R PART NUMBER: 4028407



DEHUMIDIFIER RISERS
PART NUMBER: 4042109
1-Pack (4 Risers/Pack)
PART NUMBER: 4041602
10-Pack (4 Risers/Pack)



SMARTAIRE™ POWER DAMPER
PART NUMBER: 4042960



SMARTAIRE™ REMOTE SENSOR
PART NUMBER: 4044000



HANG KIT
PART NUMBER: 4044745



CONDENSATE PUMP
PART NUMBER: 4022220



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6-YEAR TOTAL PEACE OF MIND WARRANTY
5-YEAR FULL REPLACEMENT + 1-YEAR PARTS



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