

SANTA-FE ULTRA70



SANTA-FE™
DEHUMIDIFIERS

MODEL 4044100

Water Removal Per Day

80°F / 60% RH @ 0" WC (AHAM)	70 Pints / 8.75 Gallons
73°F / 60% RH @ 0.2" WC (DOE)	52.5 Pints / 6.55 Gallons
75°F / 55% RH @ 0.2" WC (MANUAL S)	55 Pints / 6.875 Gallons
75°F / 50% RH @ 0.2" WC (MANUAL J)	44 Pints / 5.5 Gallons

Latent Capacity Per Hour

80°F / 60% RH @ 0" WC (AHAM)	3,215 BTUs
73°F / 60% RH @ 0.2" WC (DOE)	2,412 BTUs
75°F / 55% RH @ 0.2" WC (MANUAL S)	2,526 BTUs
75°F / 50% RH @ 0.2" WC (MANUAL J)	2,050 BTUs

Efficiency

80°F / 60% RH @ 0" WC (AHAM)	5.5 Pints/kWh
73°F / 60% RH @ 0.2" WC (DOE)	4.31 Pints/kWh

Energy Factor

80°F / 60% RH @ 0" WC (AHAM)	2.6 L/kWh
73°F / 60% RH @ 0.2" WC (DOE)	2.04 L/kWh

Max. Recommended Ventilation Air

Blower	150 CFM @ 0.0" WC
	140 CFM @ 0.2" WC
	130 CFM @ 0.4" WC

Fan

Fan	70 Watts
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Operating Temperature

Operating Temperature	49°F Min., 95°F Max.
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Sizing

Sizing	Up to 1,800 Sq. Ft. / 18,000 Cu. Ft.
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Power

Power	492 watts @ 73°F and 60% RH
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Supply Voltage

Supply Voltage	115 volt – 1 phase – 60 Hz
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Current Draw

Current Draw	5.4 Amps @ 104°F / 36% RH
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Filter

Filter	MERV-13
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Power Cord

Power Cord	9', 115 VAC, Ground
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Plug

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

Circuit Requirement	15 Amps
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Duct Connections

Duct Connections	8" Round Inlet, 8" Round Outlet
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Drain Connection

Drain Connection	3/4" Threaded Female NPT
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Refrigerant

Refrigerant	R454B, 13 oz.
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Unit Dimensions

Unit Dimensions	12"W x 12"H x 28"D
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Unit Weight

Unit Weight	55 lbs.
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Shipping Dimensions

Shipping Dimensions	15"W x 16"H x 31"D
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Shipping Weight

Shipping Weight	65 lbs.
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Pallet Quantity

Pallet Quantity	6 per pallet
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UPC Number

UPC Number	810017961634
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Shipping Options

Shipping Options	UPS and LTL
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Project: _____

Date: _____

Location: _____

Contractor: _____

Dealer: _____

Suppliers: _____

Architect: _____

Engineer: _____



28"
22"

12" 12"

Side

12" 12"

12" 12"

Front

Back



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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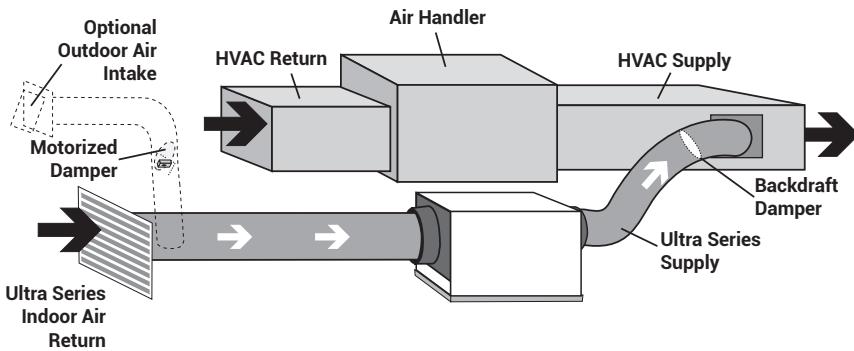


RECOMMENDED INSTALLATIONS

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.

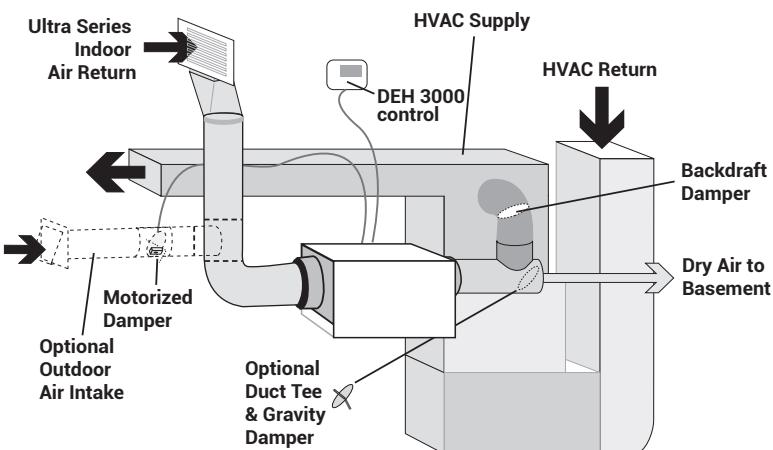
- Install a dedicated 8" air return for the Santa-Fe Ultra70 from a central area of the structure.
- Duct the supply of the Santa-Fe Ultra70 to the supply of the HVAC system with a backdraft damper.
- If the existing system has multiple returns, instead of installing a dedicated return to the Santa-Fe Ultra70, it is possible to select one to disconnect from the existing HVAC system and use it for the dedicated Santa-Fe Ultra70 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.



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

Install a separate 8" return for the Ultra70 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 Ultra70 to a 8" x 8" x 8" 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:
4037724



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™ REMOTE SENSOR

PART NUMBER:
4042960



HANG KIT

PART NUMBER:
4036695



CONDENSATE PUMP

PART NUMBER:
4022220

