

Ultra-Aire™ 120V Ventilating Dehumidifier

Specification Data

Capacities and Performance

Part Number:	4036400		
Blower:	445 CFM @ 0.0" WG	335 CFM @ 0.6" WG	
	390 CFM @ 0.2" WG	305 CFM @ 0.8" WG	
	360 CFM @ 0.4" WG		
Power:	680 Watts @ 80°F and 60% RH		
Supply Voltage:	115 VAC – 1phase – 60 Hz		
Current Draw:	5.8 Amps		
Transformer Protection:	Push Button Reset (located near power cord)		
Circuit Requirement:	15 Amps		
Energy Factor:	3.6 L/kWh		
Operating Range:	49°F - 95°F Max (Inlet Air Temperature) 34°F - 135°F Max (Outside Cabinet)		
Sized For:	Up to 3,000 Square Feet		
Minimum Performance at:	80°F and 60% RH	70°F and 60% RH	
Water Removal:	124 Pints/Day	95 Pints/Day	
Efficiency:	7.6 Pints/kWh	6.5 Pints/kWh	
Duct Connections:	6" Round Inlet; 10" Round Inlet; 8" Round Outlet (X2)		
Air Filter:	MERV-13, Standard Pleat		
Efficiency:	90% ASHRAE Dust Spot		
Size:	16" x 20" x 2"		
Optional Air Filters:	MERV-11, Standard Pleat		
Efficiency:	65% ASHRAE Dust Spot		
Size:	16" x 20" x 2"		
	MERV-14, Embossed Pleat		
Efficiency:	95% ASHRAE Dust Spot		
Size:	16" x 20" x 4"		
Power Cord:	9', 115 VAC, Ground		
Internal Insulated Cabinet:	Yes		
Drain Connection:	3/4" Threaded Female NPT		
Refrigerant Type:	R410A		
Refrigerant Amount:	2 lbs., 5 oz.		

Dimensions:	Unit With Collars	Unit Without Collars	Shipping
Width:	26 3/4"	20 1/2"	25 1/4"
Height:	43 1/2"	40 1/4"	46 1/2"
Length:	18 3/4"	18 3/4"	22"
Weight:	120 lbs.	118 lbs.	145 lbs.

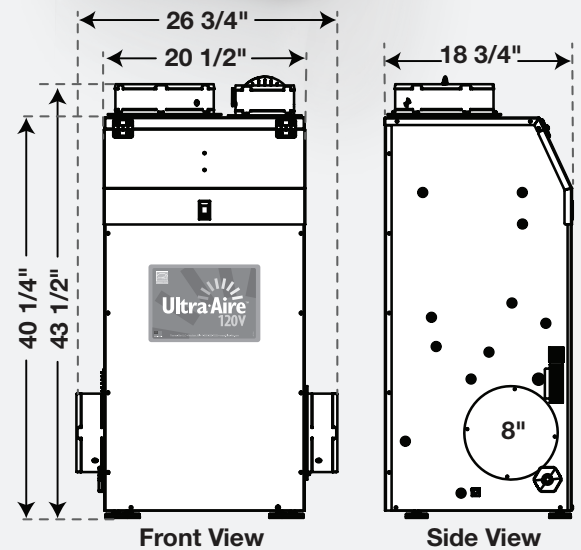


P/N 4028539

With Remote: P/N 4028407

DEH 3000 Control

- Digital control of Relative Humidity
- Fan/Filter Operation
- Programmable Ventilation Timer
- Large, easy-to-read backlit LCD display
- Easy interaction with air handler fan
- High Temperature Cut-Out
- Dryout Cycle Timer
- Auto Reboot
- Remote Sensor (DEH 3000R Only)



Optional Accessories

- 4028539 DEH 3000 Control
- 4028407 DEH 3000R Control (with remote)
- 4039391 MERV-13 Filter (16" x 20" x 2")
- 4037733 MERV-13 Filter, 4-Pack
- 4037734 MERV-13 Filter, 12-Pack
- 4021475 MERV-11 Filter (16" x 20" x 2")
- 4027420 MERV-11 Filter, 4-Pack
- 4027424 MERV-11 Filter, 12-Pack
- 4022489 MERV-14 Filter (16" x 20" x 4")
- 4024528 Bulk Carbon Granules
- 4039225 Pump Kit
- 4028616 Caster Kit
- 4023484 Attic Insulation Kit
- 4023672 6" Motorized Damper
- 4026859 6" Flex Duct, 25'
- 4020128 6" Insulated Flex Duct, 25'
- 4020656 6" Inlet Hood
- 4023647 8" Gravity Damper
- 4027415 8" Flex Duct, 25'
- 4020177 8" Insulated Flex Duct, 25'
- 4026969 10" Flex Duct, 25'
- 4022126 10" Flex Insulated Duct, 25'

Patent Pending
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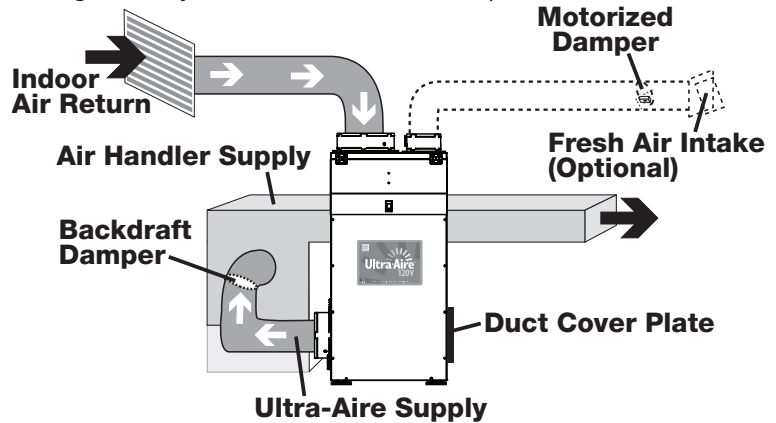


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Recommended Installations

Dedicated Ultra-Aire Return to HVAC Supply

- Install a dedicated 10" air return for the Ultra-Aire 120V from a central area of the structure.
- Install an insulated duct from outside to the 6" damper of the Ultra-Aire 120V to provide fresh air ventilation (optional).
- When using only one of the two supplies on the Ultra-Aire 120V, the unused supply must be blocked using the duct cover plate included.
- The optional second supply of the Ultra-Aire 120V may be ducted to another location. This can provide a second source of airflow to the basement or supply of the existing HVAC system with a backdraft damper.
- If the existing system has multiple returns, instead of installing a dedicated return to the Ultra-Aire 120V, it is possible to select one to disconnect from the existing HVAC system and use it for the dedicated Ultra-Aire 120V 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.



Closet Installation - Central Return to HVAC Supply

- Locate the dehumidifier under or next to the HVAC system as space allows. A passive vent or louver door is required to allow air to be pulled in from the living space.
- No inlet duct is required. Air is pulled through the passive vent or louver door from the living space.
- Install an insulated duct from outside to the 6" collar of the Ultra-Aire 120V to provide fresh air ventilation (optional).
- Duct the supply of the Ultra-Aire 120V to the supply of the existing HVAC system with a backdraft damper.
- Control should be located remotely from the dehumidifier and placed in a central location.

