

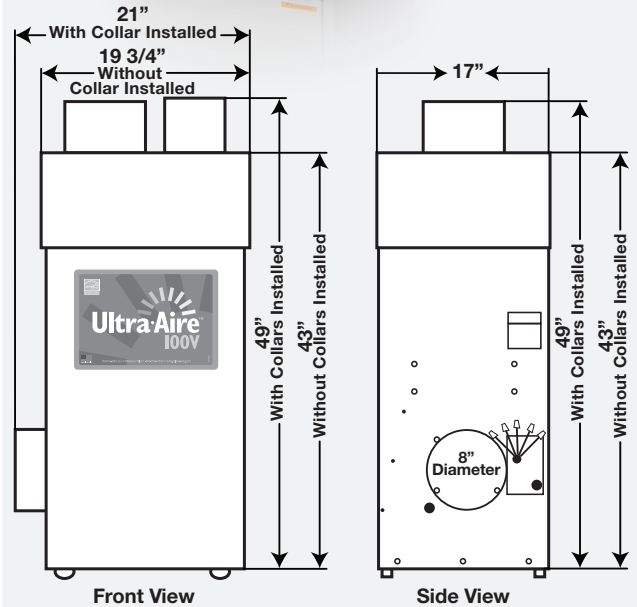
Ultra-Aire™ 100V Ventilating Dehumidifier

Specification Data

Capacities and Performance

Part Number:	4029710	
Blower:	255 CFM @ 0.0" WG 215 CFM @ 0.2" WG 170 CFM @ 0.4" WG	
Power:	700 Watts @ 80°F and 60% RH	
Supply Voltage:	115 VAC – 1phase – 60 Hz	
Current Draw:	6.4 Amps	
Energy Factor:	3.0 L/kWh	
Operating Range:	56°F - 95°F Max (Inlet Air Temperature) 34°F - 135°F Max (Outside Cabinet)	
Sized for:	Up to 2,500 Sq. Ft. - Typical	
Minimum Performance at:	80°F and 60% RH	70°F and 60% RH
Water Removal:	110 pints/day	90 pints/day
Efficiency:	6.2 Pints/kWh	6.0 Pints/kWh
Duct Connections:	6" Round Inlet; 8" Round Inlet; 8" Round Outlet	
Air Filter:	MERV-11, Standard Pleat	
Efficiency:	65% ASHRAE Dust Spot	
Size:	16" x 20" x 2"	
Optional Air Filter:	MERV-14, Embossed Pleat (will need filter housing)	
Efficiency:	95% ASHRAE Dust Spot	
Size:	16" x 20" x 4"	
Power Cord:	9', 115 VAC, Ground	
Internal Insulated Cabinet:	No	
Drain Hose:	6' Direct Gravity Drain Hose (9/16" ID x 3/4" OD)	
Refrigerant Type:	R410A (Refer to manufacturers label for more information)	
Refrigerant Amount:	1 lb., 9 oz.	

Dimensions:	Unit With Collars	Unit Without Collars	Shipping
Width:	21"	19 3/4"	24"
Height:	49"	43"	49"
Length:	17"	17"	21"
Weight:	119 lbs.	118 lbs.	138 lbs.



Optional Accessories

- 4028539 DEH 3000 Control
- 4028407 DEH 3000R Control (with Remote)
- 4021475 MERV 11 Filter (16"x20"x2")
- 4027420 MERV 11 Filters 4-Pack
- 4027424 MERV 11 Filters 12-Pack
- 4024528 Bulk Carbon Granules
- 4022220 Pump Kit
- 4022489 MERV 14 Filter (16"x20"x4")
- 4023484 Attic Insulation Kit
- 4023672 6" Motorized Damper
- 4026859 6" Flex Duct 25'
- 4020128 6" Flex Insulated Duct 25'
- 4020656 6" Inlet/Exhaust Hood
- 4023647 8" Gravity Damper
- 4020646 8" Butterfly Damper
- 4026969 8" Flex Duct 25'
- 4020177 8" Flex Insulated Duct 25'



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)

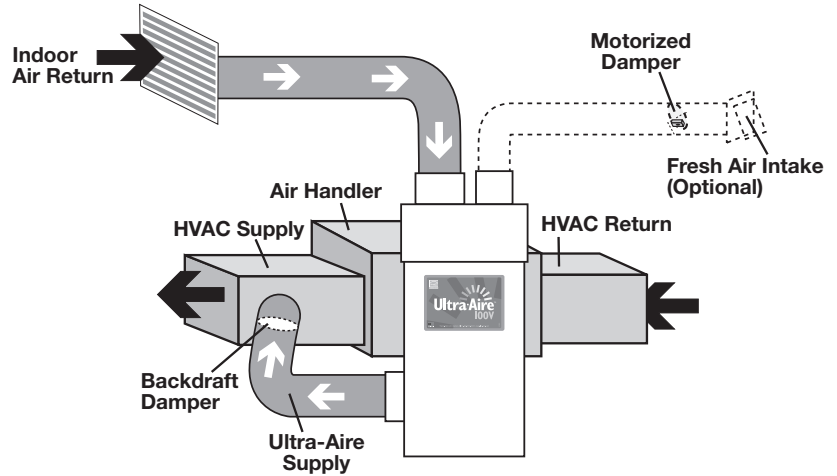
P/N 4028539
With Remote: P/N 4028407

Ultra-Aire™ 100V Ventilating Dehumidifier

Recommended Installations

Dedicated Return to HVAC Supply

- Create a separate return for the Ultra-Aire 100V in a central area of the building.
- Duct the supply of the Ultra-Aire 100V to the air supply of the HVAC system with a back draft damper.
- An attic insulation kit is needed for the attic installation.



Whole House and Basement/ Crawlspace Dedicated Return to HVAC Supply

- Duct the supply of the Ultra-Aire 100V to a 10" x 10" x 10" tee damper that is 20 percent open to the basement/ crawlspace.
- Duct the other side of the tee to the air supply of the existing HVAC system with a backdraft damper.

