

# Ultra-Aire™ XT155H Ventilating Dehumidifier

The Ultra-Aire XT155H high-capacity, whole-house ventilating dehumidifier features revolutionary XT (Extreme Technology) dehumidification. XT dehumidification allows this unit to remove up to 155 pints of water a day, provide fresh air ventilation, while using only an unprecedented 8.0 amps (7.3 pints per Kilowatt hour). The UA XT155H is ENERGY-STAR® rated and effectively dehumidifies up to 3,500 square feet.



PATENTS:  
D570,988  
8,069,681  
9,052,132

## Ultra-Aire XT155H Specifications

<b>Part Number:</b>	4031070		
<b>Blower:</b>	391 CFM @ 0.0" WG 363 CFM @ 0.2" WG 337 CFM @ 0.4" WG		
<b>Power:</b>	920 Watts @ 80°F and 60% RH		
<b>Supply Voltage:</b>	115 VAC – 1phase – 60 Hz		
<b>Current Draw:</b>	8.0 Amps		
<b>Energy Factor:</b>	3.4 L/kWh		
<b>Operating Range:</b>	56°F Min, 95°F Max (Inlet Air Temperature)		
<b>Sized for:</b>	3,500 Square Foot Typical		
<b>Minimum Performance at 80°F and 60% RH</b>			
Water Removal:	155 pints/day		
Efficiency:	7.3 Pints/kWh		
<b>Duct Connections:</b>			
6" Round Inlet; 10" Round Inlet; 10" Oval Outlet			
<b>Air Filter:</b>	MERV-11, Standard Pleat		
Efficiency:	65% ASHRAE Dust Spot		
Size:	16" x 20" x 2"		
<b>Optional Air Filter:</b>	MERV-14, Embossed Pleat (will need filter housing)		
Efficiency:	95% ASHRAE Dust Spot		
Size:	20" x 24" x 4"		
<b>Power Cord:</b>	9', 115 VAC, Ground		
<b>Drain Connection:</b>	3/4" Threaded Female NPT		
<b>Refrigerant Type:</b>	R410A (Refer to manufacturers label for more information)		
Refrigerant Amount:	2 lbs. 1 oz.		

<b>Dimensions:</b>	Unit With Collars	Unit Without Collars	Shipping
Width:	20 1/4"	20 1/4"	25"
Height:	21 3/4"	21 3/4"	28"
Length:	41 1/2"	37 3/4"	42"
Weight:	140 lbs.	139 lbs.	162 lbs.



One of the best Limited Warranties in the industry today –

1 YEAR 100% – All Parts and Labor  
5 YEARS 100% – Condenser, Evaporator, and Compressor only (with certain limitations)

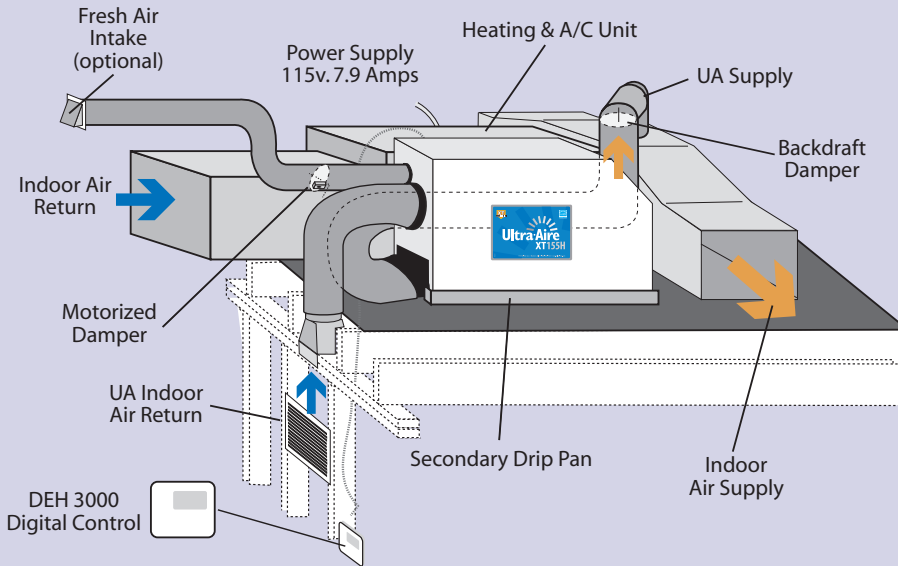
## Optional Accessories

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
4028614	Pump Kit
4036685	Hang Kit
4025287	MERV 14 Filter Housing
4024370	MERV 14 Filter (20"x24"x4")
4029087	MERV 14 Filters 3-Pack
4023672	6" Motorized Damper
4026859	6" Flex Duct 25'
4020128	6" Flex Insulated Duct 25'
4020656	6" Inlet/Exhaust Hood
4024375	10" Gravity Damper
4026969	10" Flex Duct 25'
4022126	10" Flex Insulated Duct 25'
4028399	10" Oval to Round Adapter

**Ultra-Aire™**  
WHOLE HOUSE VENTILATING DEHUMIDIFIERS

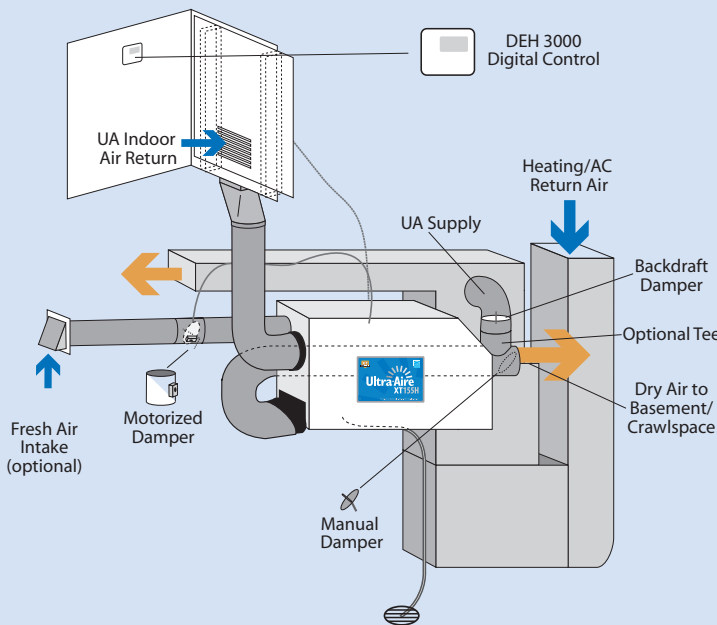


# Ultra-Aire™ XT155H Installation Options



## Ultra-Aire XT155H Attic Installation

1. The indoor air return should come from an open area on the first floor or main level of the home / building.
2. The Ultra-Aire supply can be ducted into the forced air system past the air conditioning coil. The duct connection should be perpendicular to the air flow. You may also run an independent supply directly from the dehumidifier into a large open room. Depending on the application, multiple returns and or supplies may be needed.
3. The optional six inch fresh air intake should be located at least six feet away from any exhaust ports, such as, dryer, range hood, or combustion device exhaust. Intake location should be consistent with local codes.
4. A section of flex duct or vibration absorbing duct should be located between the connections of the Ultra-Aire ductwork and the forced air system ductwork. (When ducting into the forced air systems)
5. A back draft damper should be installed when ducting into the forced air system. This prevents counter-flow of the A/C supply air through the UA XT155H. A back draft damper is not needed when ducted independently.
6. If placed over a finished area, a secondary drip pan is recommended



## Ultra-Aire XT155H Basement or Crawlspace Installation

1. Indoor air return should come from an open area of the first or second floor.
2. The Ultra-Aire supply should be ducted into the forced air system supply beyond the air conditioning coil. The duct connection should be perpendicular to the air flow.
3. An optional ten inch tee fitting with an adjustable blade damper on the straight run may be attached at the Ultra-Aire supply. This allows for increased air flow to the basement/crawlspace during the summer months.
4. The optional six inch fresh air intake should be located at least six feet away from any exhaust ports, such as, dryer, range hood, or combustion device exhaust. Intake location must be consistent with local codes.
5. A section of flex duct or vibration absorbing duct should be located between the connections of the Ultra-Aire ductwork and the forced air system ductwork.
6. The backdraft damper prevents counter-flow of the A/C supply air through the Ultra-Aire XT155H.

**Please Note:** Therma-Stor does not recommend drawing air from the return ducting system and discharging into the supply, because it could reduce the capacity and may cause potential counterflow through the unit. Preferred installation is to draw air from a separate intake duct located in the central part of the home. Duct the outlet air into the supply duct for distribution throughout the home. A backdraft damper prevents air from the supply duct from being pushed backward through the Ultra-Aire XT155H when central (A/C) fan is on and the Ultra-Aire fan is off.



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