

Ultra-Aire™ XT150H Ventilating Dehumidifier

The Ultra-Aire XT150H high-capacity, whole-house ventilating dehumidifier features revolutionary XT (Extreme Technology) dehumidification. XT dehumidification allows this unit to remove up to 150 pints of water a day, provide fresh air ventilation, while using only an unprecedented 6.9 amps (7.9 pints per Kilowatt hour). The UA XT150H is ENERGY-STAR® rated and provides effective MERV 14 air filtration.

The Ultra-Aire XT150H effectively dehumidifies up to 3500 square feet and is equipped with R-410A, a more environmentally responsible, EPA approved and chlorine-free refrigerant.



ULTRA-AIRE XT150H SPECIFICATIONS

Part Number:	4026480
Blower:	415 CFM @ 0.0" WG 365 CFM @ 0.4" WG
Power:	800 Watts @ 80°F and 60% RH
Supply Voltage:	110-120 VAC – 1 Phase – 60 Hz.
Current Draw:	6.9 Amps
Energy Factor:	3.7 L/kWh
Operating Range:	56°F Min, 100°F Max (inlet Air Temperature)
Sized For:	3500 Square Foot Typical
Minimum Performance @ 80°F and 60% RH:	
Water Removal:	150 Pints/Day
Efficiency:	7.9 Pints/kWh
UA-XT150H Duct Connections:	
6" Round Inlet; 10" Round Inlet; 10" Oval Outlet	
Air Filter:	Standard MERV-11; Size: 16" x 20" x 2" Efficiency: 65% ASHRAE Dust Spot Test Optional MERV-14, Size: 20" x 24" x 4" Efficiency: 95% ASHRAE Dust Spot Test
Power Cord:	7', 110-120 VAC, Ground
Drain Connection:	3/4" Threaded NPT
UA-XT150H Dimensions:	39.5"W x 22"H x 20 5/8"D

OPTIONAL ACCESSORIES

4021475	MERV 11 Filter
4025287	Filter Housing (4024370)
4024370	MERV 14 Filter (4025287)
4022220	Pump Kit
4026859	6" Flex Duct
4020656	6" Inlet/Exhaust Hood
4026969	10" Flex Duct



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)

UA XT150H INSTALLATION OPTIONS

Control Options

Control Options	Part Number
DEH 3000 - Digital Control	4028539
DEH 3000R - Digital Control	4028407

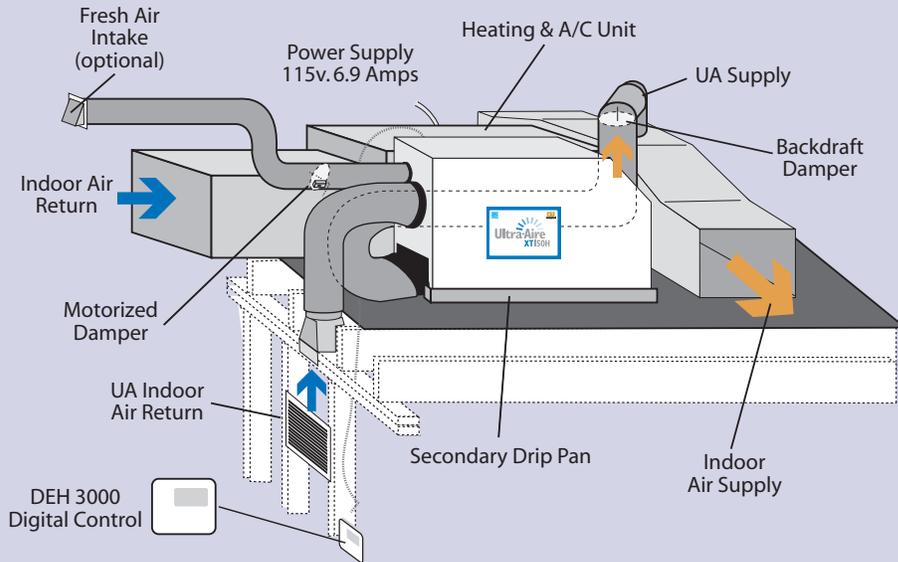
Ducting Options

6", 2 wire 24 volt Electric Air Damper	4023672
10" Backdraft Damper	4024375
10" Starting Collar (Included w/ Unit)	N/A
6" Outside Air Intake Vent (Not Provided)	N/A
Insulated 6" Air Duct (Flex) - 25 ft.	4020128
Insulated 10" Air Duct (Flex) - 25 ft.	4022126
Duct Adapter Kit	4028399

It's not a dream home without

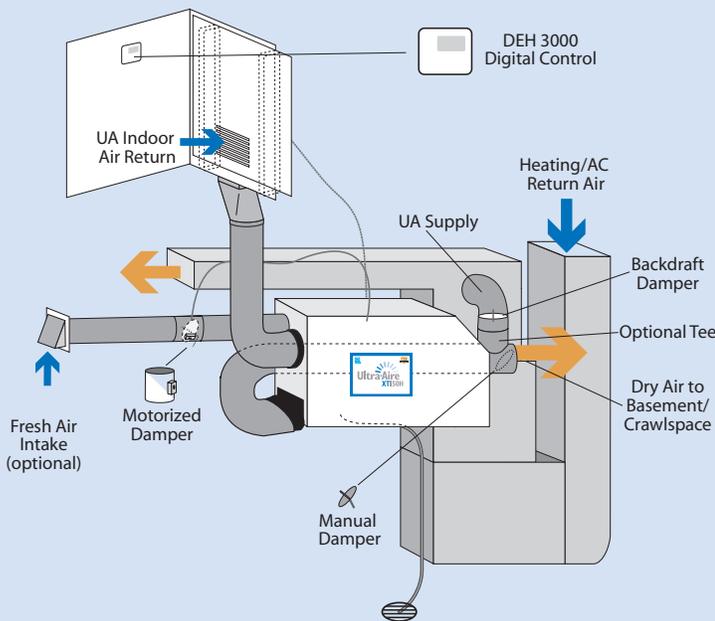
Ultra-Aire™

Ultra-Aire™ XT150H Installation Options



ULTRA-AIRE XT150H 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 XT150H. 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 XT150H 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 XT150H.

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 XT150H when central (A/C) fan is on and the Ultra-Aire fan is off.