Ultra-Aire™ XT105H Ventilating Dehumidifier

The Ultra-Aire XT105H is the most energy efficient humidifier on the market- exceeding ENERGY STAR® standards by 50 percent. The unit features patented XT Technology that allows the unit to remove up to 105 pints of water a day, provide fresh air ventilation while using an unprecedented 4.9 amps (8.8 pints per Kilowatt hour). The XT105H is engineered for extreme quiet operation and is optimized for low heat load.

The Ultra-Aire XT105H effectively dehumidifies up to 2,500 square feet and is the ideal whole house ventilating dehumidifier for meeting aggressive energy use targets.

PATENTS:
D570,988
8,069,681

ENERGY STAR

MADE IN USA

Ultra-Aire XT105H Specifications

Part Number:	4032240
Blower:	257 CFM @ 0.0" WG 146 CFM @ 0.4" WG
Power:	530 Watts @ 80°F and 60% RH
Supply Voltage:	110-120 VAC – 1 Phase – 60 Hz.
Current Draw:	4.9 Amps
Energy Factor:	4.2 L/kWh
Operating Range:	56°F Min, 95°F Max (Inlet Air Temperature)
Sized For:	2500 Square Foot Typical
Minimum Performance @ 80°F and 60% RH:	
Water Removal:	105 Pints/Day
Efficiency:	8.8 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:	10', 110-120 VAC, Ground
Drain Connection:	3/4" Threaded NPT
UA-XT105H Dimensions:	20.25"W x 21.75"H x 38"L – 140 lbs.

One of the best Limited Warranties in the industry today –

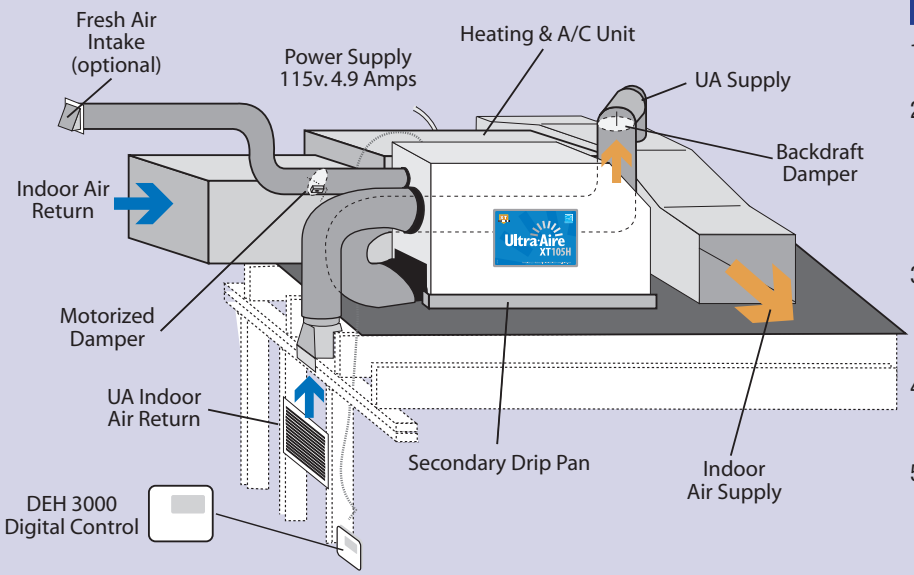
1 YEAR 100% – All Parts and Labor
5 YEARS 100% – Condenser, Evaporator, and Compressor only (with certain limitations)

Optional Accessories

4028539	DEH 3000 Control
4021475	MERV 11 Filter (16x20x2)
4027420	MERV 11 Filters 4-Pack
4027424	MERV 11 Filters 12-Pack
4028614	Pump Kit
4032221	MERV 14 Filter Housing
4024370	MERV 14 Filter (20"x24"x4")
4029087	MERV 14 Filter 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

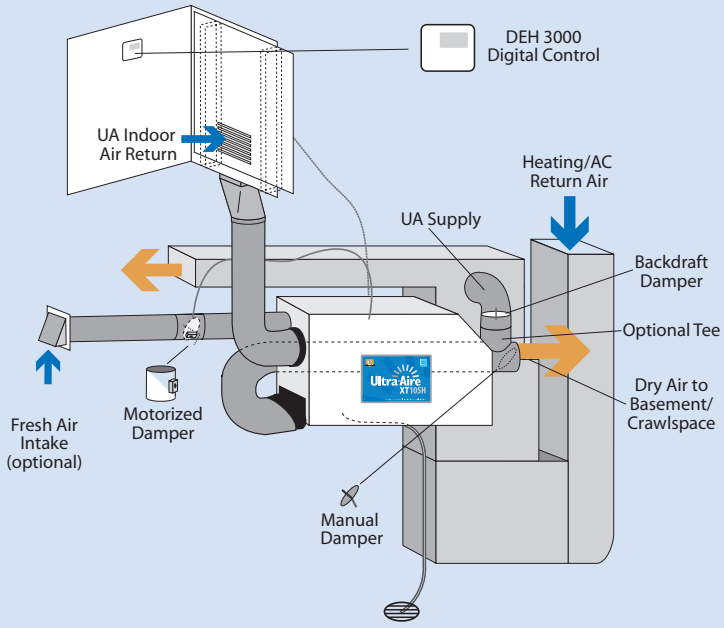
It's not a dream home without Ultra-Aire™

Ultra-Aire™ XT105H Installation Options



Ultra-Aire XT105H 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 XT105H. 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 XT105H 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 XT105H.

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 XT105H when central (A/C) fan is on and the Ultra-Aire fan is off.