

Specifications and Installation

Part Number:	4027170
Blower:	190 CFM @ 0.0" WG
Power:	680 Watts @ 80°F and 60% RH
Supply Voltage:	110-120 VAC – 1phase – 60 Hz
Current Draw:	5.50 Amps
Energy Factor:	2.0 L/kWh
Operating Temp.:	Between 40°F and 90°F Max
Sized for:	Up to 1600 Sq. Ft. - Typical
Minimum Performance at 80°F and 60% RH	
Water Removal:	65 pints/day
Efficiency:	4.3 Pints/kWh
Air Filter:	MERV-11
Efficiency:	Standard 65% Efficient ASHRAE Dust Spot Test
Size:	9" x 11" x 1"
Power Cord:	9', 110-120 VAC, Ground
Drain Connection:	3/4" Threaded MPT
Drain Hose:	5/8" ID x 8'

Dimensions	Unit	Shipping
Width:	21"	27"
Height:	12"	17"
Depth:	12"	17"
Weight:	55 lbs	59 lbs

OPTIONAL ACCESSORIES

4027158	MERV 11 Filter
4027422	MERV 11 4-Pack
4027427	MERV 11 12-Pack
4028085	Pump Kit
4028111	Hang Kit
4028074	Duct Kit
4023647	8" Gravity Damper
4020646	8" Butterfly Damper
4027415	8" Flex Duct
4020177	8" Flex Duct (Insulated)
4027430	Register Head 8"
4020126	Register Grill (White)

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INSTALLATION MATERIALS

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

Ducting Options	Part Number
6", 2 wire 24 volt Electric Air Damper	4023672
8" Gravity Damper	4023647
8" Butterfly Damper	4020646
8" Flex Duct	4027415
8" Flex Duct (insulated)	4020177
Duct Tape (Not Provided)	N/A
Large Cable Ties (Not Provided)	N/A
Insulated 6" Air Duct (Flex) - 25 ft.	4020128
Insulated 10" Air Duct (Flex) - 25 ft.	4022126

Plumbing - Not Provided By Therma-Stor

3/4" PVC Pipe
3/4" PVC Threaded Nipple
3/4" PVC Elbow
PVC Primer and Glue

Electrical - Not Provided By Therma-Stor

12-2 Non-Metallic Sheeted NM-B (Romex) Wire
20 AMP 120 Volt Single Pole Breaker
20 AMP 120 Volt Rated (3) Prong Outlet
Thermostat Wire (5Conductor, 18 AWG)
Wire Staples
Outlet Cover
Outlet Box

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 65H when central (A/C) fan is on and the Ultra-Aire fan is off.

Therma-Stor does not recommend drawing air from the return ducting system and discharging into the supply for two reasons:

Central Fan On: The Ultra-Aire 65H is pulling against a negative pressure (intake side) and discharging against a positive pressure (outlet side), which results in lower airflow and reduced capacity.

Central Fan Off: Discharge air may counter-flow from the supply duct directly to the return duct and not be distributed throughout the home effectively.