

TrueDRY DH150

Dehumidification System

SPECIFICATION DATA

DH150 Capacities and Performance

Part Number:	DH150
Blower:	415 CFM @ 0.0 in. WG 365 CFM @ 0.4 in. WG
Supply Voltage:	110–120 Volt; 60 Hz.
Amps:	6.9
Operating Exterior Temp:	56–130°F (13–54°C) ducted 56–100°F (13–38°C) unducted
Capacity:	150 Pints/Day (80°F [27°C], 60% RH)
Energy Performance:	2.02 liters per kilowatt hour
Coverage (sq ft):	Up to 3120
Discharge Air Temp:	105°F (41°C) (80°F [27°C], 60% RH intake)
Duct Connections:	6 in. Round Inlet 10 in. Round Inlet 10 in. Round Outlet
Filter Efficiency:	Standard MERV-11 (65% ASHRAE Dust Spot)
Power Cord:	7 ft. 115V With Ground
Drain Connection:	3/4 in. Threaded MPT
Dimensions (See Fig. 1):	
Width:	20-5/8 in.
Height:	22 in.
Length:	37 1/2 in. without collars 39 1/2 in. with collars
Weight:	134 lbs
Shipping Specs:	
Length:	42 in.
Height:	28 1/4 in.
Width:	24 in.
Weight:	164 lbs

REPLACEMENT PARTS

Heat Exchanger	50035445-001
Evaporator	50035445-002
Capillary Tubes	50035445-003
Compressor	50035445-004
Accumulator	50035445-005
Filter/Dryer	50035445-006
Tube-Cond to Filter	50035445-007
Tube-Discharge Line	50035445-008
Condesor	50035445-009
Impeller	50035445-010
Relay/Blower	50035445-011
45mFd Capacitor-Compressor	50035445-012
Transformer	50035445-013
Relay/Compressor	50035445-014
15mFd Capacitor-Impeller	50035445-015
Collar 10 inch	50035445-016
Collar oval 10 inch	50035445-017
Collar 6 inch with damper	50035445-018
Leveling Foot	50035445-019
Filter MERV 11	50035445-020

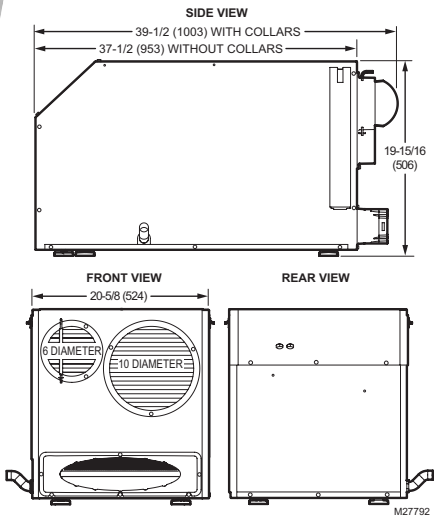


Fig. 1. Dimensions in in. (mm).

The TrueDRY DH150 performs multiple indoor air quality functions in a single, compact unit:

- High-Capacity Dehumidification
- Air Filtration
- Fresh Air Ventilation (optional)

Dehumidification

The TrueDRY DH150 dehumidifier utilizes refrigeration and internal air circulation to cool the incoming air stream below its dew point. This cooled and drier air is used to pre-cool the incoming air stream resulting in a significant increase in overall efficiency.

After helping to cool the incoming air, the processed air is reheated by passing through the condenser coil. The heat removed by the evaporator coil is returned to the air stream, resulting in an overall temperature increase to the processed air.

The TrueDRY DH150 is controlled by a variety of 24 volt remote wired controls.

Fresh Air Ventilation

Optional fresh outdoor air may be ducted via the 6-in. round inlet. This provides fresh air to dilute pollutants and maintain a normal oxygen content in the air. The amount of fresh air ventilation can be regulated by a variety of dampers and controls.

Air Filtration

The TrueDRY DH65 includes air filtration to keep the DH150's condenser coils clean. A MERV-11 media filter is standard.

Length: 16 in.
Height: 20 in.
Width: 2 in.

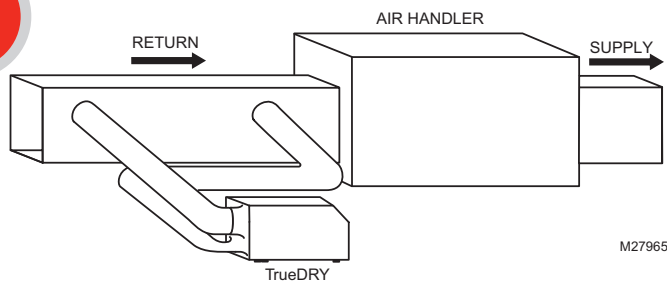
ETL listed. Conforms to UL Std. 1995.
For more information call 1-800-468-1502 or visit our website at customer.honeywell.com.



Installation Recommendations and Options

A

Main Return to Main Return



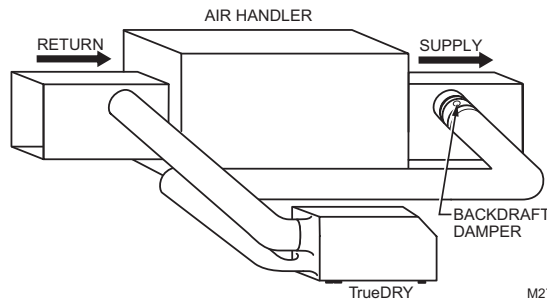
M27965

Ideal when...

- Running TrueDRY DH150 with A/C operation.
- Minimizing discharge air temperature (DAT) increase is preferred.
- Space dictates.

B

Main Return to Main Supply



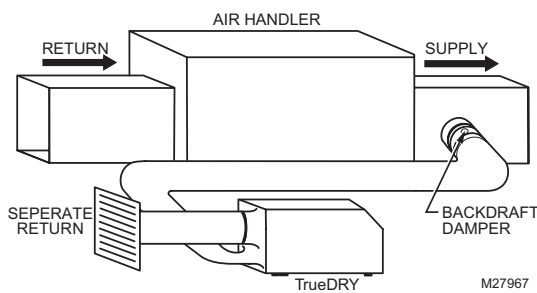
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Ideal when...

- Running TrueDRY DH150 opposite A/C operation. Running with A/C operation requires damper on the exhaust port to minimize backdraft when TrueDRY DH150 is not on but A/C is.
- Minimizing DAT increase is preferred.
- Space dictates.

C

Dedicated Return to Main Supply



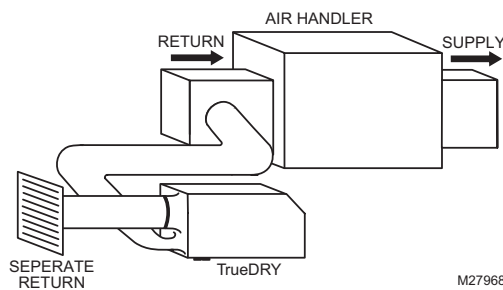
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Ideal when...

- Drying a specific area of the house.
- Running with A/C operation requires backdraft damper on the exhaust port to minimize backdraft when TrueDRY DH150 is not on but A/C is.
- Minimizing DAT increase is preferred.

D

Dedicated Return to A/C Return



M27968

Ideal when...

- Running TrueDRY DH150 with A/C operation.
- Drying a specific area of the house.
- Minimizing DAT increase is preferred.

Automation and Control Solutions

Honeywell International Inc. Honeywell Limited-Honeywell Limitée
1985 Douglas Drive North 35 Dynamic Drive
Golden Valley, MN 55422 Toronto, Ontario M1V 4Z9
<http://customer.honeywell.com>

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