



DR90A3000 Whole House Dehumidifier

SUBMITTAL SHEET

Job Name	
Engineer	
Mechanical Contractor	
Contractor's P.O. No.	
Representative	
Notes	

Model(s)	
DR90A3000	Qty.
Notes	
Approval	
Service	
Tag No.	

DR90A3000 CAPACITIES AND PERFORMANCE

Part Number: DR90A3000

Blower:

320 CFM @ 0.0 in. WG

215 CFM @ 0.6 in. WG

Supply Voltage: 120 VAC; 60 Hz.

Amps: 5.3 A

Power transformer to R/C terminals: 24 VAC, 0.85A

Energy Performance: 2.9 liters (6.1 pints) per kilowatt hour (KWH) energy

Refrigerant: R-410A

Operating Temp Range (outside cabinet): 34 – 135 °F (1.1 – 57.2 °C)

Capacity:

47 pints/day (60 °F [15.6 °C], 60 %RH)

65 pints/day (70 °F [21.1 °C], 60 %RH)

90 pints/day (80 °F [26.7 °C], 60 %RH)

Coverage: Up to 2800 sq. ft.

Duct Connections:

6 in. Supply Inlet

10 in. Round Inlet

10 in. Round Outlet

(ABS Plastic)

Filter Efficiency: Standard MERV-11

Drain Connection: 3/4 in. threaded female NPT, with attached 3/4 in. threaded male NPT

Dimensions (See Fig. 1):

Width: 14-3/4 in.

Height: 19-7/8 in.

Length: 25-7/8 in. (without collars)

Collar Length: 3-1/8 in. (each)

Weight: 86 lbs (39 Kg)

Shipping Specs:

Width: 19.3 in.

Height: 25.2 in.

Length: 35.8 in.

Weight: 95 lbs (43 Kg)

Optional Parts

Replacement Filter: 50070171-002

Motorized Ventilation Damper: EARD6

Bypass Damper: CPRD10

ETL Listed per UL 60335-1, 60335-2-40, CSA C22.2 No. 60335-1 and 60335-2-40

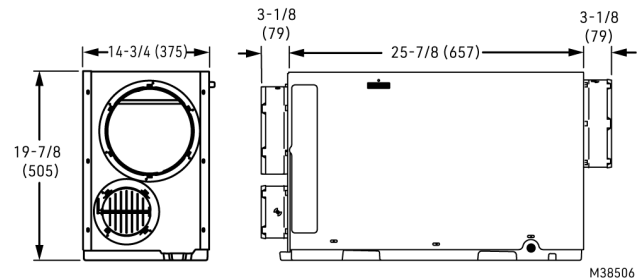


Fig. 1. Dimensions in in. (mm).

Whole-House Dehumidifiers are designed to help maintain proper humidity levels in the home. Lower humidity levels feel more comfortable and helps safeguard against problems from excess moisture in the home such as mold, mildew, warped wood, peeling of paint, or musty odors. Whole Home Dehumidification Systems are Energy Star rated providing efficient and economical operation.

Dehumidification

The DR90A3000 dehumidifier utilizes refrigeration and internal air circulation to cool the incoming air stream below its dew point. Water condenses and drains off the coil, sending drier air back into the house.

- Can remove up to 90 pints/day of moisture.
- Energy Star rated
- Multitude of external controller options
- Side ducted exhaust
- Reduced noise during operation
- MERV 11 air filtration

Ventilation

The DR90A3000 has a separate control for ventilation, so the powerful onboard blower can be used to efficiently bring fresh air into the house even when dehumidification is not needed. The DR90A3000 has a 6" supply side damper that can be used to duct in air from the outside, or closed if not needed.

Simplified Wiring

The DR90A3000 dehumidifiers can be controlled by a variety of 24-volt remote wired and wireless controls.

The DR90A3000 allows the use of a 24V normally closed float switch or water sensor to simplify installation in a drain pan. This will allow the external float switch to kill power to the compressor in the event of water blockage.

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Resideo Technologies, Inc.
1985 Douglas Drive North, Golden Valley, MN 55422
1-800-468-1502
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