AprilAire Dehumidifier

Model E070
Crawl Space Dehumidifier

FEATURES

- Built-in automatic digital control with display. Can be set up for dehumidification and ventilation or zoning.
- Front mount control
- ½" EPS cabinet insulation
- Air discharge orientation at end of cabinet
- Washable MERV 8 filter (part number 5695) and 8" diameter inlet/outlet duct collars
- R32 refrigerant
- Corrosion-resistant aluminum coils
- 8' power cord (plug type); hardwire option not available
- 10ºF–30ºF discharge air temperature rise
- ¾" MNPT Threaded drain connection with adapters for threaded connection for plastic hose included
- 10' drain tubing
- 5-year warranty

R32

5 YEAR WARRANTY

Designed & Assembled in the USA
utilizing U.S. and Global Components

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Intertek

PRINCIPLE OF OPERATION

The AprilAire E070 Crawl Space Dehumidifier is designed to dehumidify the air coming into the unit by passing the incoming air over an evaporator coil to drop the air temperature below the dew point of the air. Moisture is removed from the air and drained out of the unit to a common floor or waste drain. The air is then reheated in the condenser coil and exits the unit.

Dehumidification occurs until the set point is reached, then shuts off until periodic sampling determines a need for operation.

APPLICATION

The E070 Dehumidifier is the perfect solution for controlling humidity in crawl spaces; protecting against structural damage, pests and mold.
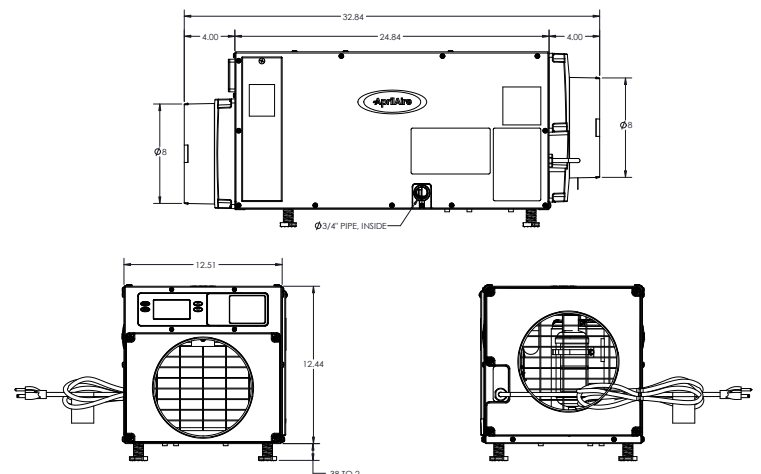
CIRCULATION

The E070 can also be programmed to circulate the air within a crawl space. Circulating the air evens out relative humidity levels and temperature in the space, eliminating variations in the environment.

SPECIFICATIONS

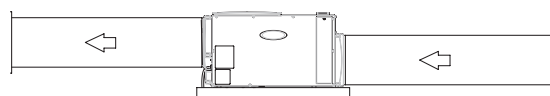|		
Capacity	@ 80ºF/60% RH	70 ppd
	@73ºF/60% RH	53 ppd
Energy Factor kW-h	@ 80ºF/60% RH	2.1 L/kW-h
	@ 73ºF/60% RH	1.8 L/KW-h
Airflow @ varying E.S.P. (external static pressure - dry coil)	0.0" w.c.	200 CFM
	0.2" w.c.	170 CFM
	0.4" w.c.	140 CFM
Voltage, phase, frequency	120VAC, 1 phase, 60 Hz	
Current draw[3]	5.4 Amps	
Noise	53 dBA ducted	
Dimensions (cabinet only)[4]	Width: 12½", Height: 12½", Length: 25"	
Unit Weight **Shipping Weight**	56 lbs. 72 lbs.	
Inlet air operating conditions during	Dehumidification:	50ºF–104ºF, 40ºF dew point min.
	Ventilation:	40ºF–140ºF, 0%–99% RH (non-condensing)

[3]Rated capacity, energy factor and current draw measured at 80ºF/60% RH inlet air at 0.0 ESP.
[4]Height does not include adjustable feet. The width excludes the filter doors and length excludes the duct collars.

Inlet and Outlet ducted

• Ducted with 8" flex duct or hard pipe.

• Helps circulate air to equalize humidity and temperature in the space.

• Can be used with the Model 5822 Hanging Kit for installations that require the unit to be off the floor.

OPTIONAL ACCESSORIES

Model 4856
Condensate Pump

• 22 ft. lift
• Low profile
• 120 V

Model 5958
Condensate Pump Bracket

• Intuitive rail system
• No additional screws
• Threaded drain elbow

Model 5822
Hanging Kit

• Simple pulley system installation
• Weight: 2.3 lbs.
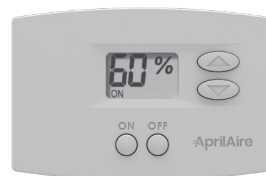• Supports 200 lbs.

Model 5427
Crawl Space Alert

• 40' cable with LED
• LED illuminates when the dehumidification set point can't be reaches or when service is required
• Provides customer peace of mind knowing the dehumidifier is functioning properly

OPTIONAL WALL-MOUNT CONTROLS

Model S86WMUPR

• Color Graphical Display
• Real Language Setup
• Capacitive Touch Interface
• Programmable & Non-Programmable
• Dual Fuel Capable
• Air filter and HVAC Service Reminders
• High & Low Balance Point with Outdoor Temperature Sensor
• Geofencing Capabilities

Model 8920W
with IAQ Control

• Universal 3H/3C or 4H/2C HP
• Event-Based™ Air Cleaning
• Humidity and Ventilation
• 2-Part 3-Wire design
• Full-color touch screen
• Wi-Fi

Model 76
Wall Mount Dehumidifier Control

• On, Off buttons
• Wall-mounted living space control
• Displays RH and controls to an RH value
• Remote control for crawl space applications and sealed attics

MODEL 76 SPECIFICATIONS

Electrical	External	Remote
Input voltage and current	Voltage: 24VAC +/20% Current: 25mA (nominal), 50mA (max.) at 24VAC	Voltage: 35VDC (supplied by dehumidifier control board)
Output	Dry contact, normally open	Communication (RS485)
Control	**External**	**Remote**
Control range	40% 80% RH	1 (less dry)–7 (more dry) 65ºF–40ºF dew point
Accuracy	+/-5% RH	See dehumidifier specifications
Differential	3% RH	
Low limit	40ºF dew point	50ºF dry bulb, 40ºF dew point min.
High limit	99ºF dry bulb	105ºF dry bulb