

Submittal Sheet



Model
E080W
Wi-Fi Dehumidifier



DESIGNED &
ASSEMBLED
IN THE USA
UTILIZING U.S. AND
GLOBAL COMPONENTS



Specifications

Capacity⁽¹⁾	@ 80°F/60% RH @ 73°F/60% RH	80 ppd 65 ppd
Energy factor⁽¹⁾	@ 80°F/60% RH @ 73°F/60% RH	2.8 L/kW-h 2.35 L/kW-h
Airflow @ varying E.S.P. (external static pressure - dry coil)	0.0" WC 0.2" WC 0.4" WC	185 CFM 135 CFM 85 CFM
Voltage, phase, frequency	120VAC, 1 phase, 60Hz	
Current draw⁽¹⁾	4.8 Amps	
Noise	45 dBA ducted	
Dimensions (cabinet only)⁽²⁾	Width: 14" Height: 15" Length: 26"	
Unit weight	63 lbs.	
Shipping weight	81 lbs.	
Control⁽³⁾	Built-in digital control with display.	
Control mounting option	Top or front-mounting options	
Cabinet insulation	1/2" EPS	
Air discharge orientation	Top or end	
Inlet/Outlet duct collars	10" dia.	
Backdraft damper at outlet	Included	
Filter	Washable MERV 8 (Part Number 5881)	
Refrigerant	R32	
Coil type	Corrosion-resistant aluminum	
8' Power cord	Plug type	
Discharge air temperature rise	10°F-30°F	
Drain connection⁽⁴⁾	3/4" MNPT Threaded	
Warranty	5 Years	

⁽¹⁾Rated capacity, energy factor and current draw measured at 80°F/60% RH inlet air at 0.0 ESP.

⁽²⁾Height does not include adjustable feet. The width excludes the filter doors and length excludes the duct collars.

⁽³⁾Built-in automatic control capable to be set up for dehumidification and ventilation.

⁽⁴⁾Threaded barbed fitting included.

Project: _____ Dealer: _____
Architect: _____ Engineer: _____
Contractor: _____ Location: _____
Suppliers: _____ Date: _____

Principle of Operation

The AprilAire Model E080W Wi-Fi Dehumidifier features Wi-Fi enabled technology which offers easy installation, setup, and pairing. The AprilAire E080W Wi-Fi Dehumidifier is designed to dehumidify the air coming into the unit by passing the incoming air over an evaporator coil, dropping the air temperature below the dew point. The moisture is removed from the air and drains out of the dehumidifier to a common floor or waste drain. The air is then reheated in the condenser coil and exits the unit.

Dehumidification occurs until the relative humidity (%RH) setting is reached. The unit then shuts off until periodic sampling determines the need for dehumidification. The integrated graphic display and control monitors the %RH during sampling of the incoming room or HVAC return air.

Application

The E080W Wi-Fi Dehumidifier is the perfect product for whole-home dehumidification, basements, crawl spaces, and sealed attics.

The AprilAire Model E080W Wi-Fi Dehumidifier offers:

- Turn-Key Provisioning: Built-in control w/Bluetooth
- Intuitive Controls: Enhanced, digital interface and app integration for ongoing monitoring and maintenance
- Integration with AprilAire Healthy Air App for alerts, diagnosis, and updates

The AprilAire Model E070W Wi-Fi Dehumidifier is the perfect solution for controlling humidity in crawl spaces; protecting against structural damage, pests, and mold.

Ventilation

The E080W has the ability to bring in fresh, outdoor air into the living space. Fresh air will dilute stale air and pollutants and will reduce humidity in the winter months. If the humidity level of the outdoor air higher than the %RH setting, the dehumidifier will begin dehumidification to reduce the humidity in the home to set humidity level. The outdoor fresh air is brought in through 6" round duct with a 6" round, normally closed damper.

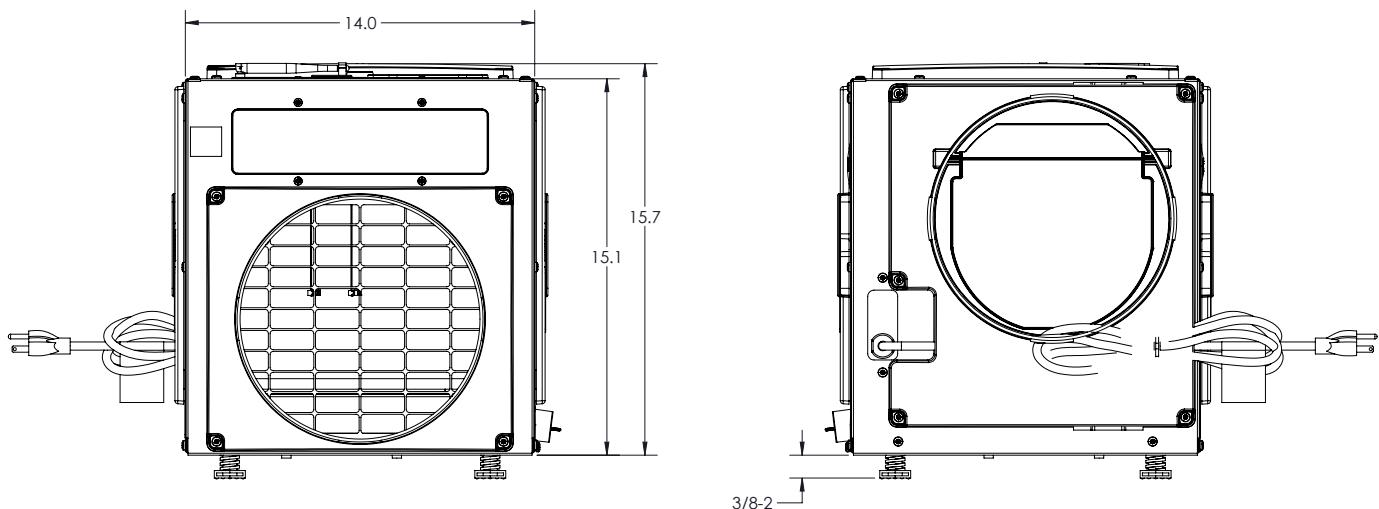
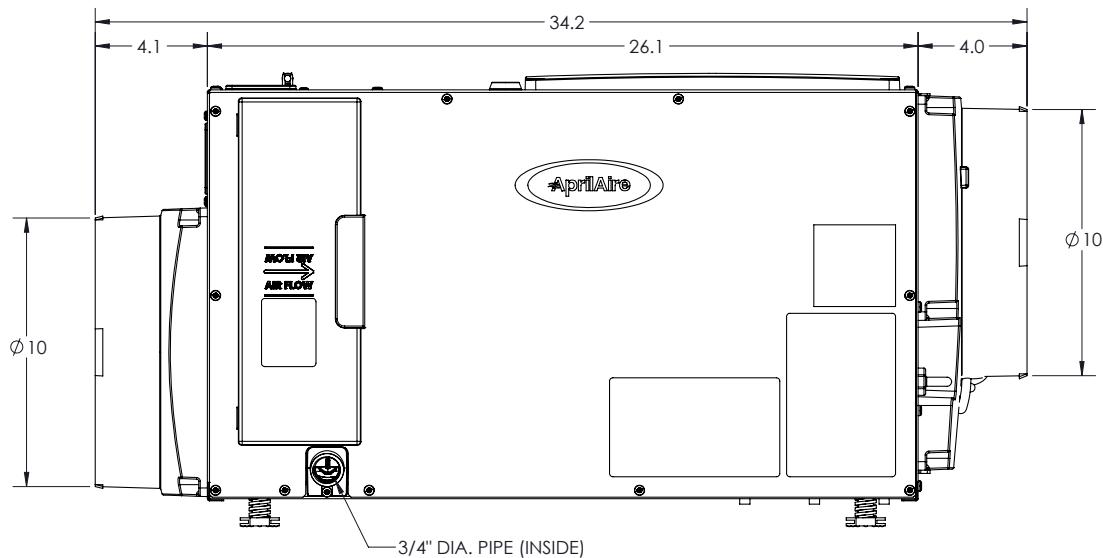
This complies with ASHRAE 62.2, Energy Star, and International Residential Code (IRC). The dehumidifier has built-in controls to adjust the amount of fresh air that is brought in to the home. When properly installed and set, the model E080W will meet the mechanical ventilation requirements of:

- ASHRAE 62.2
- Energy Star for Homes
- EPA Indoor airPLUS
- International Residential Code (IRC)
- International Energy Conservation Code (IECC)
- California Energy Commission Title 24

Circulation

The E080W 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.

Technical Drawings



The submittal is intended to show general, overall product dimensions and provide guidance for installation clearance. Drawings are not to scale. Ensure submittals are current.

AprilAire reserves the right to make product changes without notification or obligation.