



Comfort Climate

E100WDF8 WiFi Connected Basement Dehumidifier

FEATURES:

- Comes with leveling feet
- Wi-Fi enabled digital control with color graphical display. Can be set up for dehumidification with the option of ventilation.
- Control mounting option is field-interchangeable from top to front
- 1/2" EPS cabinet insulation
- Top or end air discharge orientation
- Washable MERV 8 filter (part number 5881) and 10" diameter inlet/outlet duct collars
- Backdraft damper at outlet
- R32 refrigerant
- Corrosion-resistant aluminum coils
- 8' power cord
- 10°F-30°F discharge air temperature rise
- 3/4" MNPT Threaded drain connection with threaded barbed fitting included
- 10' drain tubing
- 5-year warranty



PRINCIPLE OF OPERATION

The Comfort Climate WiFi Dehumidifier features WiFi enabled technology which offers easy installation, setup, and pairing. Maintenance is made easy through reliable monitoring and enhanced product support. This allows for best-in-class user experience to solve moisture and high humidity.

The design dehumidifies 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.

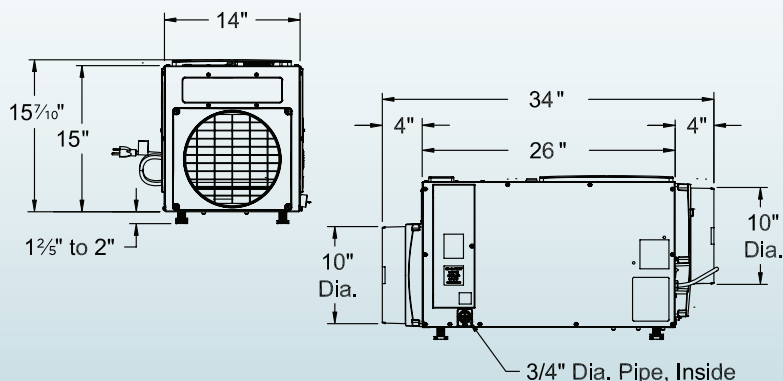
APPLICATION

The E100WDF8 is perfect for a wide range of applications including whole-home dehumidification and control of moisture in basements and crawl spaces, and features:

- Turn-Key Provisioning: Built-in control w/bluetooth
- Intuitive Controls: Enhanced, digital interface and app integration for ongoing monitoring and maintenance

CIRCULATION

The Model E100WDF8 can also be programmed to circulate air, which evens out relative humidity levels and temperature in the treated space, eliminating variations in the environment.



SPECIFICATIONS

Capacity	@ 80°F/60% RH @ 73°F/60% RH	100 ppd 85 ppd
Energy Factor kW-h	@ 80°F/60% RH @ 73°F/60% RH	2.6 L/KW-h 2.35 L/KW-h
Airflow @ varying E.S.P. (external static pressure - dry coil)	0.0" w.c. 0.2" w.c. 0.4" w.c.	280 CFM 245 CFM 210 CFM
Voltage, phase, frequency	120 VAC, 1 phase, 60 Hz	
Current draw⁽¹⁾	6.7 Amps	
Noise	55 dBA ducted	
Dimensions (cabinet only)⁽²⁾	Width: 14", Height: 15", Length: 26"	
Unit Weight	64 lbs.	
Shipping Weight	82 lbs.	
Inlet air operating conditions during	Dehumidification:	50°F-104°F, 40°F dew point min.
	Ventilation:	40°F-140°F, 0%-99% RH (non-condensing)

⁽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.