

SPECIFICATIONS

Capacity	@ 80°F/60% RH	100 ppd
	@ 73°F/60% RH	85 ppd
Energy Factor	@ 80°F/60% RH	2.6 L/kW-h
	@ 73°F/60% RH	2.35 L/kW-h
Airflow @ varying E.S.P. (external static pressure - dry coil)	0.0" w.c.	280 CFM
	0.2" w.c.	245 CFM
	0.4" w.c.	210 CFM
Voltage, phase, frequency	120VAC, 1 phase, 60 Hz	
Current draw ⁽¹⁾	6.9 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.

FEATURES

Model	E100/E100H	E100C
Casters or leveling feet	Leveling feet	Casters
Control ⁽³⁾	Built-in digital control with display	
Control mounting option	Field-interchangeable from top to front	
Cabinet insulation	½" 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	R410A	
Coil type	Corrosion-resistant aluminum	
8' Power cord ⁽⁴⁾	Plug Type (E100, E100C only)	
Discharge air temperature rise	10°F-30°F	
Drain connection ⁽⁵⁾	¾" MNPT Threaded	
Included drain tubing	None	10' length
Warranty	5 Years	

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

⁽⁴⁾Model E100H is a hardwired unit and doesn't ship with a power cord.

⁽⁵⁾Threaded barbed fitting included.



MODELS:

E100: Includes 8 ft. power cord

E100C: Uses casters instead of leveling feet

E100H: Terminal connection for hardwiring

PRINCIPLE OF OPERATION

The Aprilaire E100 Dehumidifiers are 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 E100 Dehumidifiers are perfect for a wide range of applications including whole-home dehumidification and control of moisture in basements and crawl spaces.

CIRCULATION

The Model E100 can also be programmed to circulate air, which evens out relative humidity levels and temperature in the treated space, eliminating variations in the environment.

