

# AprilAire®

## Ventilation

### FEATURES

- Removes moisture from outdoor air before it enters the living space
- Unit is designed, when properly installed, to achieve ASHRAE Standard 62.2
- Integral moisture and ventilation control
- Optional ventilation control via thermostat (see below)
- High and Low Temperature Limit Lock-outs
- Simple plug-in installation
- Installation temperature range up to 140°

### SPECIFICATION SHEET

## Model E100DV

Fresh Air Ventilator  
with Dehumidification



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

### SPECIFICATIONS

<b>Nominal ventilation airflow (CFM)</b>	200 CFM	
<b>Capacity<sup>(1)</sup> pints/day</b>	100 ppd	
<b>Energy factor<sup>(1)</sup></b>	2.6 L/kWh	
<b>Energy star qualified</b>	No	
<b>Airflow @ varying E.S.P. (external static pressure - dry coil)</b>	0.0" w.c.	280 CFM
	0.2" w.c.	245 CFM
	0.4" w.c.	210 CFM
<b>Voltage, phase, frequency</b>	120VAC, 1, 60 Hz	
<b>Current draw<sup>(1)</sup></b>	6.7 Amps	
<b>Noise-Fan Only</b>	52.8 dBA (ducted)	
<b>Noise-Compressor and Fan</b>	55.0 dBA (ducted)	
<b>Dimensions:</b>	Width: 14" Height: 15" Length: 26"	
<b>Unit Weight Shipping Weight</b>	69 lbs. 82 lbs.	
<b>Inlet air operating conditions during</b>	Dehumidification	50°F–104°F, 40°F dew point min.
	Ventilation	40°F–140°F, 0%–99% RH
<b>Control</b>	Built-in digital control with display	
<b>Cabinet insulation</b>	1½" EPS	
<b>Air discharge orientation</b>	Top or end air discharge	
<b>Inlet/Outlet duct collars</b>	10" round	
<b>Back damper at outlet</b>	Included	
<b>Air filter</b>	Washable MERV 8	
<b>Refrigeration</b>	R-32	
<b>Coil type</b>	Corrosion-resistant aluminum	
<b>8' Power cord type</b>	Plug type	
<b>Drain connection<sup>(2)</sup></b>	¾" PVC	
<b>Warranty</b>	5 Years	

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

<sup>(2)</sup>Thread adapter and barbed fitting for 3/4" clear drain tubing included.

### BENEFITS

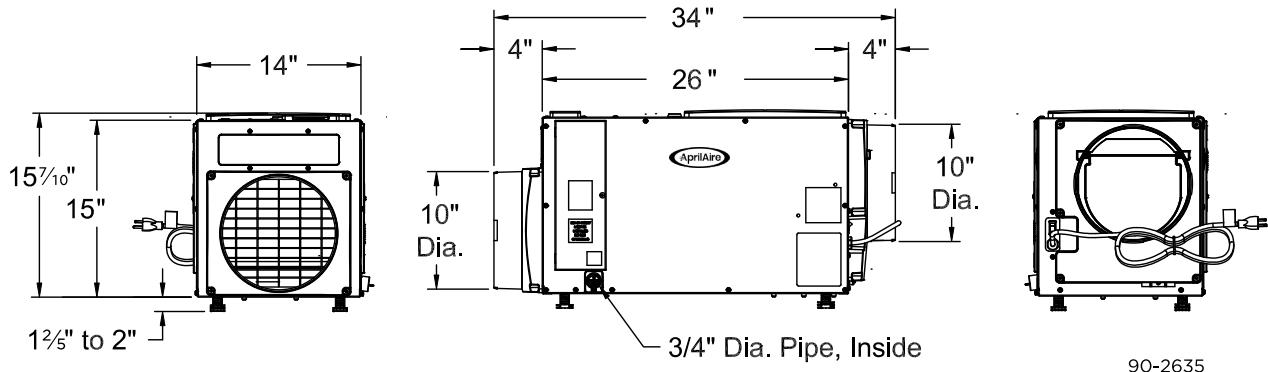
- Helps control RH in the home during periods when the air conditioning system does not run long enough to remove sufficient moisture. If air conditioner can satisfy RH requirements, the AprilAire unit's compressor shuts off
- Optimize energy savings by locking out ventilation during hottest/coldest times of the day
- Improves indoor air quality
- Installation labor reduced, requires only a power outlet and 24 volt wiring to HVAC system

When properly installed and set, the AprilAire Model E100DV ventilator with dehumidification will meet the mechanical ventilation requirements of:

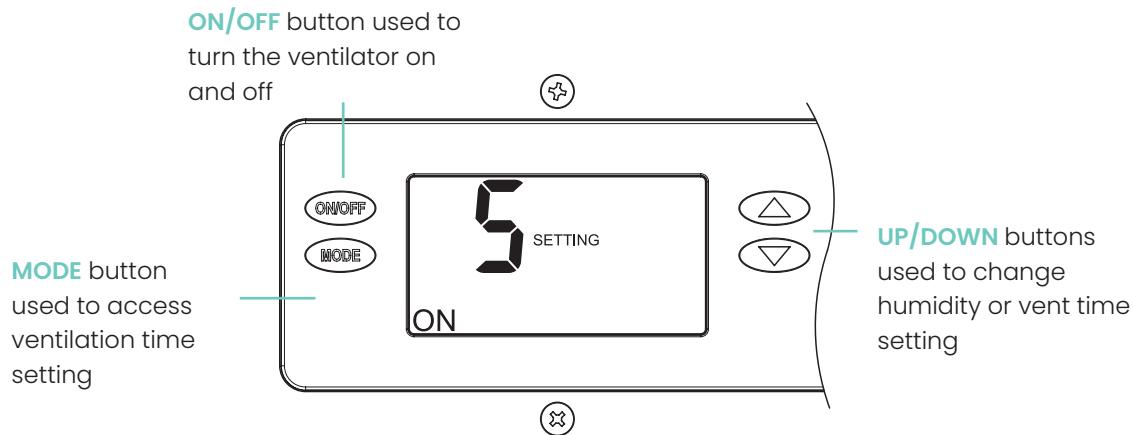
- ASHRAE 62.2
- Energy Star Certified Homes
- EPA Indoor airPLUS
- International Residential Code (IRC)

### RECOMMENDED CONTROLS

- AprilAire Thermostat Models  
8620 8620W 8910 8910W  
8920W S86NMUPR S86WMUPR
- AprilAire Communicating Thermostat Model 8840



90-2635



## DUCTING THE VENTILATOR

