

Project: \_\_\_\_\_

Architect: \_\_\_\_\_

Contractor: \_\_\_\_\_

Suppliers: \_\_\_\_\_

Dealer: \_\_\_\_\_

Engineer: \_\_\_\_\_

Location: \_\_\_\_\_

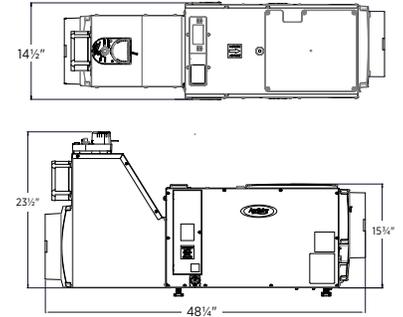
Date: \_\_\_\_\_

### SPECIFICATIONS

<b>Nominal ventilation airflow (CFM)</b>	150 CFM	
<b>Capacity<sup>(1)</sup> (water removal)</b>	100 ppd	
<b>Energy factor<sup>(1)</sup> (efficiency)</b>	2.6 L/kWh (5.5 pints/kWh)	
<b>Voltage, phase, frequency</b>	120VAC, 1 Phase, 60Hz	
<b>Current draw<sup>(1)</sup></b>	6.9 Amps	
<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>Noise-Fan Only</b>	52.8 dBA ducted	
<b>Noise-Compressor and Fan</b>	55.0 dBA ducted	
<b>Dimensions: (combined cabinets)<sup>(2)</sup></b>	Width: 14½" Height: 23½" w/o adjustable feet Length: 48¼"	
<b>Weight</b>		
<b>-E100V Unit Weight:</b>	64 lbs.	
<b>-E100V Shipping Weight:</b>	82 lbs.	
<b>-8190FF Unit Weight:</b>	13.7 lbs.	
<b>-8190FF Shipping Weight:</b>	16.8 lbs.	
<b>Control</b>	Built-in digital control with display	
<b>Filter</b>	Washable MERV 8	
<b>Refrigerant</b>	R410A	
<b>Coil type</b>	Corrosion-resistant aluminum	
<b>8' Power cord</b>	Plug type	
<b>Drain connection</b>	3/4" nominal drain tubing; Supplemental barb fitting for 3/4" clear drain tubing	
<b>Cabinet insulation</b>	1/2" EPS	
<b>Air discharge</b>	Top	
<b>Inlet/Outlet duct collars</b>	10" round	
<b>Backdraft damper at outlet</b>	Included	
<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>Height does not include adjustable feet. Length includes the duct collars, and width includes the filter doors.



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### COMPONENTS

- Model E100V - Dehumidifier (requires 8190FF)
- Model 8190FF - Ventilation Plenum for Aprilaire Dehumidifiers

### GENERAL DESCRIPTION

The Aprilaire Ventilating Dehumidifier brings in fresh air to meet ventilation needs while removing the high humidity that comes in with the outdoor air. Fresh air is brought in when the air conditioning is running to allow the cooling equipment to remove humidity from the air. If ventilation needs cannot be met when the air conditioning is running the Aprilaire Ventilating Dehumidifier brings in fresh air and removes the humidity with the integral dehumidification system. The desired amount of ventilation and the maximum allowable humidity level is set using the built-in control which then measures the humidity of the air to determine if dehumidification is needed. Energy savings, while meeting the ventilation need, is optimized by using high and low temperature limits to bring in outdoor air when temperatures are more moderate.

The provided 8' power cord with plug allows for simple installation, requiring a single 120VAC outlet to operate the dehumidifier and integrated 24 volt ventilation damper. Installation temperature range up to 140°F. The integrated digital display and control allows the %RH and the ventilation time setting to be adjusted. The unit is provided with removable, washable filter.

### When properly installed it will meet the following mechanical ventilation requirements:

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

**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. Research Products reserves the rights to make product change without notifications or obligations.**