

# Comfort Climate

## E100F8 Basement Dehumidifier

### FEATURES:

- Includes leveling feet
- Built-in automatic digital control with display. Can be set up for dehumidification and ventilation or zoning.
- 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 E100F8 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 E100F8 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 E100F8 can also be programmed to circulate air, which evens out relative humidity levels and temperature in the treated space, eliminating variations in the environment.



**5 YEAR  
WARRANTY**

**DESIGNED &  
ASSEMBLED  
IN THE USA**



### SPECIFICATIONS

|                                                                           |                                      |                                        |
|---------------------------------------------------------------------------|--------------------------------------|----------------------------------------|
| <b>Capacity</b>                                                           | @ 80°F/60% RH<br>@ 73°F/60% RH       | 100 ppd<br>85 ppd                      |
| <b>Energy Factor kW-h</b>                                                 | @ 80°F/60% RH<br>@ 73°F/60% RH       | 2.6 L/KW-h<br>2.35 L/KW-h              |
| <b>Airflow @ varying E.S.P.<br/>(external static pressure - dry coil)</b> | 0.0" w.c.<br>0.2" w.c.<br>0.4" w.c.  | 280 CFM<br>245 CFM<br>210 CFM          |
| <b>Voltage, phase, frequency</b>                                          | 120 VAC, 1 phase, 60 Hz              |                                        |
| <b>Current draw<sup>(1)</sup></b>                                         | 6.7 Amps                             |                                        |
| <b>Noise</b>                                                              | 55 dBA ducted                        |                                        |
| <b>Dimensions (cabinet only)<sup>(2)</sup></b>                            | Width: 14", Height: 15", Length: 26" |                                        |
| <b>Unit Weight</b>                                                        | 64 lbs.                              |                                        |
| <b>Shipping Weight</b>                                                    | 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 (non-condensing) |

<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. The width excludes the filter doors and length excludes the duct collars.

