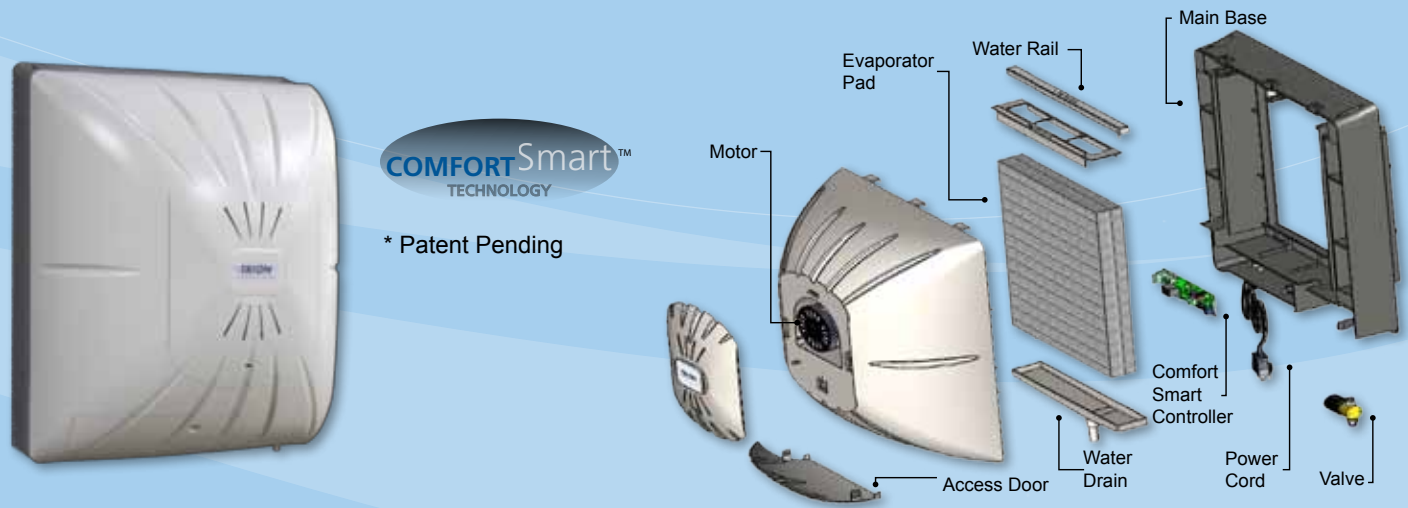


# ComfortBreeze™ CB100

## Fan Powered Evaporative Humidifier



### TECHNICAL SPECIFICATION



#### Overview:

As warm air passes across the moist humidifier pad, water is evaporated into the air stream. This raises the relative humidity of the air and contributes to the overall indoor air quality. Controlled humidity helps alleviate respiratory ailments as well as protect home furnishings and woodwork from the damages associated with dry air. ComfortBreeze™ humidifiers consume very little electricity and are available with optional patent-pending ComfortSmart™ Technology to minimize water consumption and maximize output capacity. ComfortSmart™ controls are equipped with fault annunciation and a service indicator to assist in troubleshooting any problems that may occur. Since the CB100 is powered by its own fan, it may be used on any type furnace system and its capacity, operation and performance won't suffer due to minimal air volumes present with variable speed furnace systems.

#### Features:

- ComfortSmart™ Technology - ComfortSmart™ controls self adjust to compensate for variations in temperature, airflow, and water pressure allowing the CB100 to provide maximum performance and water savings regardless of system conditions. ComfortSmart™ equipped humidifiers have the highest peak capacity\* and are the only humidifiers available with a constant drain water ratio.
- Environmentally Friendly - ComfortBreeze™ humidifiers consume less than 100 watts of electricity and ComfortSmart™ Technology translates into greater than 80% water savings versus conventional competing units.
- Versatile Installation - Fan-powered models are compatible with any type furnace system: single stage, variable speed, or modulating.
- Push-To-Lock Fittings - Water connections provide quick and easy installation and worry-free operation.
- Fault Annunciation - The CB100S provides LED indication of fault codes and when evaporative pad replacement is necessary.
- Independent Operation - The CB100S can be installed so that a "call for heat" is not required for the unit to deliver humidification. ComfortSmart™ equipped models feature a relay that can power the HVAC blower.

#### Operational Benefits:

- ComfortSmart™ Technology maximizes humidification capacity while conserving water across all temperature conditions.
- Increasing a home's relative humidity can make it feel comfortable at a lower temperature. (68°F can feel equivalent to a dry 73°F)
- Lower thermostat settings can deliver substantial savings on monthly energy bills. Every degree of setback represents about a 3% savings on heating costs.
- Save on energy costs while improving comfort.
- No need to plumb to hot water lines as is recommended for other evaporative humidifiers to "help" improve their performance. ComfortSmart™ technology automatically maximizes evaporative performance without the added cost of using hot water.

#### Warranty:

- 5-Year Limited Warranty

### TECHNICAL SPECIFICATION

#### ComfortBreeze™ CB100

Model	CB100S with ComfortSmart™ Technology	CB100
<b>Part No.</b>	265713-001	265713-002
<b>Type of Unit</b>	Fan Powered Evaporative	Fan Powered Evaporative
<b>Peak Capacity (GPD)*</b>	20 Gallons per Day	20 Gallons per Day
<b>Humidistat Type</b>	Electronic	Mechanical
<b>ComfortSmart™ Technology</b>	Yes	No
<b>Capacity Reduction</b>	Yes	No
<b>Water Supply</b>	20-100 PSI	20-100 PSI
<b>Voltage (Amps)</b>	120VAC (0.8A)	120VAC (0.8A)
<b>Unit Dimensions</b>	11.6"W x 10.12" D x 18.12" H	11.6"W x 10.12" D x 18.12" H
<b>Water Connection</b>	1/4" OD Tubing	1/4" OD Tubing
<b>Overflow Connection</b>	1/2" ID Tubing	1/2" ID Tubing
<b>Ducted Opening</b>	13.13"W x 14.25"H	13.13"W x 14.25"H
<b>Shipping Weight</b>	17 Lbs.	17 Lbs.
<b>Operating Weight</b>	13 Lbs.	13 Lbs.
<b>Approvals (Pending)</b>	ETL (US & Canada)	ETL (US & Canada)

\* Peak capacity as tested at 140°F air temperature. Nominal capacity at 120°F is 18 GPD.



Upflow  
Bottom  
Return



Down  
Flow

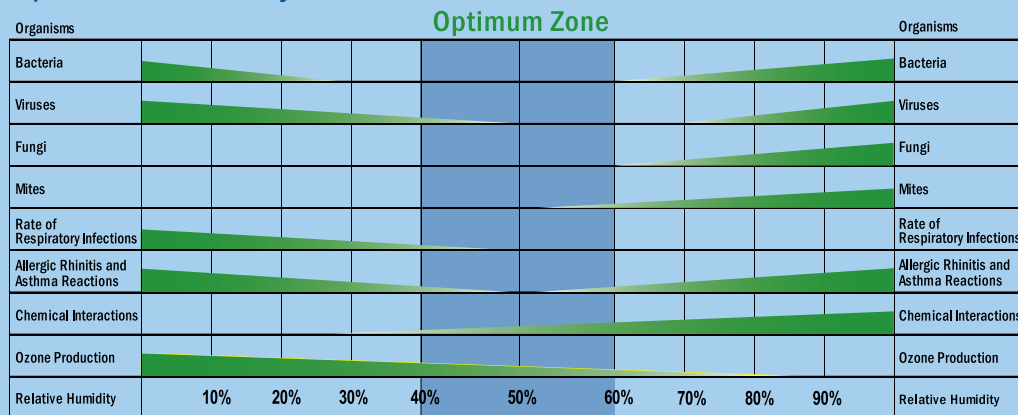


Horizontal  
Flow



Upflow  
Side  
Return

#### Optimum Humidity Zone:



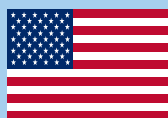
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