

# Comfort-Aire®

## DEHUMIDIFIERS



**BHD-301-G**



**BHD-501-G**



**BHD-651-G**

All models are Energy Star® compliant with low temperature operation to 41°

***Controlling humidity makes your home feel more comfortable, prevents damage from excess moisture, and can even help control allergies***

Humidity is a key factor in your overall comfort. When the air is less humid, you feel more comfortable. And that comfort level occurs at a higher temperature, which means you can set your air conditioner thermostat higher and save on energy costs.

A dehumidifier also helps prevent damage to walls and foundations from excess moisture. Wood furniture, fabrics and carpets will last longer and smell better with proper humidity. Many electronic devices operate best

in a controlled environment. And finally, maintaining proper humidity helps reduce allergens.

Comfort-Aire dehumidifiers are designed to efficiently and quietly remove moisture from the air—and to look good doing it. Compact, sleek cabinets are stone white in color and roll easily from room to room on durable casters.

Comfort-Aire dehumidifiers come in sizes to effectively handle a variety of conditions and a wide range of space requirements.

## Here's how a dehumidifier works...

An internal fan pulls warm/humid room air across cold evaporator coils. The moisture in the air condenses on the coils and drips into the condensate container. A humidity control governs the amount of moisture removed from the air.



### Model BHD-301-G

Capacity 30 pints/day

Bucket Capacity:  
10.5 pints



### Model BHD-501-G

Capacity 50 pints/day

Bucket Capacity:  
21 pints



### Model BHD-651-G

Capacity 65 pints/day

Bucket Capacity:  
21 pints

## FEATURES

**Automatic Water Level Shut-Off**—When the drain container is full, the unit automatically shuts off, then displays a “Full” light

**Drain Options**—Condensed water can be collected in the removable container or drained direct using the adapter that’s included; a handle makes it easy to empty the container



**Easy to Use Controls**—All controls are located on the top of the unit so they’re easy to see and adjust; displays actual room humidity/relative humidity set point

**Auto Restart**—All models automatically resume operation after a power outage, ideal for second homes or offices, as well as primary residences

**Slide-Out Filter**—Filters are easily removed from units so they can be cleaned and reused; check filter light is a reminder to clean the filter



## HOW TO CHOOSE A DEHUMIDIFIER

Dehumidifier capacity is rated in pints per day (24 hour period). The table below shows the capacity necessary to dehumidify areas of various sizes and conditions.

Many variables can affect the amount of dehumidification required, including:

- Climate—hot, sticky conditions require extra capacity
- Operation of laundry equipment—washers and dryers add moisture to the air, and the more loads done each day, the greater the amount of moisture in the air

- Number of people living in the space—the more people, the more capacity you’ll need
- Number of doors and windows—lots of openings let in more moisture

To use the table, decide which condition best describes the home or space, then find the size of the area to be dehumidified.

If there’s any question about size, always choose the larger model. Remember—a unit can only remove moisture to its rated level. For dehumidification, oversizing is better than undersizing.

CONDITION WITHOUT DEHUMIDIFICATION (During warm and humid outdoor conditions)	AREA—SQ. FEET				
	200	1000	1500	2000	2500
<b>Moderately Damp</b> —Space feels damp and has a musty smell only during humid weather	30 pt.	30 pt.	30 pt.	30 - 50 pt.	30 - 50 pt.
<b>Very Damp</b> —Space always feels damp and has a musty odor; damp spots show on walls and floor	30 pt.	30 pt.	30 - 50 pt.	30 - 50 pt.	50 - 65 pt.
<b>Wet</b> —Space feels and smells wet; walls and floors sweat or seepage is present	30 pt.	30 - 50 pt.	30 - 50 pt.	50 - 65 pt.	50 - 65 pt.
<b>Extremely Wet</b> —Floor is wet, humidity builds up when laundry is drying or under other high load conditions	30 pt.	30 - 50 pt.	50 - 65 pt.	65 pt.	65 pt.

Capacity needed is shown in pints per day

SPECIFICATIONS			
FEATURES	BHD-301	BHD-501	BHD-651
Capacity (pts per day)	30	50	65
Voltage	115V	115V	115V
Amps	3.8	5.6	6.7
24 Hour On/Off Timer	Yes	Yes	Yes
Electronic Controls	Yes	Yes	Yes
Fan Speeds	2	2	2
Low Temp Operation	Yes	Yes	Yes
Set/Room Humidity Display	Yes	Yes	Yes
Drain Hose Connection	Yes	Yes	Yes
Full Bucket/Auto Shut-Off	Yes	Yes	Yes
Auto Restart	Yes	Yes	Yes
Auto Defrost Control	Yes	Yes	Yes
Container Capacity	10.5 pints	21 pints	21 pints
Energy Star Compliant	Yes	Yes	Yes
Dimensions (inches)	19 <sup>7</sup> / <sub>8</sub> H x 13 <sup>3</sup> / <sub>8</sub> W	24 <sup>1</sup> / <sub>2</sub> H x 15 <sup>1</sup> / <sub>2</sub> W	24 <sup>1</sup> / <sub>2</sub> H x 15 <sup>1</sup> / <sub>2</sub> W
Dimensions (inches)	x 9 <sup>5</sup> / <sub>16</sub> D	x 12 <sup>5</sup> / <sub>8</sub> D	x 12 <sup>5</sup> / <sub>8</sub> D
Net Weight (lbs.)	30	39	42
Shipping Weight (lbs.)	32	44	46.5

**WARRANTY:** One year on unit, five years on sealed system.

# HEAT CONTROLLER, INC.

1900 Wellworth Ave., Jackson, MI 49203 • Ph. 517-787-2100 • Fax 517-787-9341

Visit us online at [www.comfort-aire.com](http://www.comfort-aire.com)

Design, specifications and materials subject to change without notice.