

2004 Models

Comfort-Aire®

D E H U M I D I F I E R S



Model BHD-301



Low temperature operation down to 45°F
Models BHD-501 and BHD-651

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. They 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 drainage container. A humidity control governs the amount of moisture removed from the air.



Model BHD-301
Capacity 30 pints/day

Electro-mechanical controls,
operation down to 65°F



Model BHD-501
Capacity 50 pints/day

Model BHD-651
Capacity 65 pints/day

With electronic touchpad
controls and low temp
operation down to 45° F



Features

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

Drain Options—Condensed water can be drained into the removable container or drained direct using the adapter 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; Models BHD-501 and BHD-651 display actual room humidity and relative humidity set point

Auto Restart—All models automatically resume operation after a power outage, making them 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

How to choose a dehumidifier

Dehumidifier capacity is rated in pints per day (24 hour period). The table below shows the model 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 moisture

- 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 size of 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. Oversizing is better than undersizing for dehumidification.

CONDITION WITHOUT DEHUMIDIFICATION (During warm and humid outdoor conditions)	AREA—SQ. FEET				
	200	1000	1500	2000	2500
Moderately Damp —Space feels damp and has a musty smell only during humid weather	30 pt.	30 pt.	30 pt.	30 - 50 pt.	30 - 50 pt.
Very Damp —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.
Wet —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.
Extremely Wet —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	5.8	5.6	7.8
Watts	480	630	830
Electronic Control	No	Yes	Yes
Fan Speeds	2	2	2
Low Temp Operation	No	Yes	Yes
Set/Room Humidity Display	No	Yes	Yes
Slide-Out Filter	Yes	Yes	Yes
Drain Hose Connection	Yes	Yes	Yes
Full Bucket/Auto Shut-Off	Yes	Yes	Yes
Auto Restart	Yes	Yes	Yes
Defrost Control	Yes	Yes	Yes
Container Capacity	22 pints	22 pints	22 pints
Energy Star Compliant	No	Yes	Yes
Dimensions (inches)	21 ¹ / ₄ "H x 15 ⁵ / ₃₂ "W x 13 ³ / ₈ "D		
Net Weight (lbs.)	49.4	45	46.6
Shipping Weight (lbs.)	52.2	49	50.6

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

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Design, specifications and materials subject to change without notice.