

Comfort-Aire[®]

Dehumidifiers



BHD-301-H



BHD-501-H



BHD-701-H

All models are Energy Star[®] compliant
Low temperature operation down to 41°F (5°C)

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 bucket. The humidistat set point governs the amount of moisture removed from the air.

Model BHD-301-H

Capacity 30 pints/day

Bucket Capacity:

6.3 pints

Model BHD-501-H

Capacity 50 pints/day

Bucket Capacity:

12.7 pints



Relative Humidity Range
35% to 85%

Model BHD-701-H

Capacity 70 pints/day

Bucket Capacity:

12.7 pints

FEATURES

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

Drain Options—Condensed water can be collected in the removable bucket that has a convenient handle, or continuously drained using the adapter kit that's included

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

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—Filter is easily removed from unit so it can be cleaned and reused; check filter light is a reminder to clean the filter

Leak Detector—Signals if there is a leak in the dehumidifier refrigerant system



Easy-View
Sightglass



Optional Direct
Drain Connection



Convenient
Drain Bucket

Design, specifications and materials subject to change without notice.

HOW TO CHOOSE A DEHUMIDIFIER

Dehumidifier capacity is rated in pints per day (24 hour period). The table below is a guideline for 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
- 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

- 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

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
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 - 70 pt.
Wet —Space feels and smells wet; walls and floors sweat or seepage is present	30 pt.	30 - 50 pt.	30 - 50 pt.	50 - 70 pt.	50 - 70 pt.
Extremely Wet —Floor is wet, humidity builds up when laundry is drying or under other high load conditions	30 pt.	30 - 70 pt.	50 - 70 pt.	70 pt.	70 pt.

Capacity needed is shown in pints per day

SPECIFICATIONS			
FEATURES	BHD-301	BHD-501	BHD-701
Capacity (pts per day)	30	50	70
Voltage	115V	115V	115V
Energy Factor L/kWH	1.85	1.85	1.85
Input Watts/Amps	310/3.0	520/4.7	720/6.9
24 Hour On/Off Timer	Yes	Yes	Yes
Electronic Controls	Yes	Yes	Yes
Fan Speeds	2	2	2
Sound Level (dBA)	56	58.5	58.5
Low Temp Operation	Yes	Yes	Yes
Set/Room Humidity Display	Yes	Yes	Yes
Full Bucket/Auto Shut-Off	Yes	Yes	Yes
Auto Restart	Yes	Yes	Yes
Auto Defrost Control	Yes	Yes	Yes
Bucket Capacity	6.3 pints	12.7 pints	12.7 pints
Dimensions (inches)	14 ³ / ₄ x 9 ⁷ / ₈	15 ³ / ₈ x 10 ¹³ / ₁₆	15 ³ / ₈ x 10 ¹³ / ₁₆
W x D x H	x 20 ¹ / ₈	x 23 ¹ / ₄	x 23 ¹ / ₄
Net Weight (lbs.)	28.7	36.4	39.7
Shipping Weight (lbs.)	30.9	38.6	41.9

WARRANTY: One year on unit, five years on sealed system.
(Some limitations apply, see warranty on website for details.)

HEAT CONTROLLER

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