

# Comfort-Aire®

## Portable Dehumidifiers

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, including new units with built-in pumps for fastest direct drain removal of condensation.

### 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, or continuously drained through the direct drain with included adapter kit. Units with built-in self-priming pumps can remove condensate through the pump drain with hose provided
  - Pump flow rate = 0.02-0.03
  - Pump gpm lift-head = 16.4 ft. (5m)
  - Pump drain hose = 16.4 ft. (5m)
- Easy to Use Controls - All controls are located on the top of the unit; 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



\*R-410A FOR "A" SERIES ONLY



**BHD-22A\*/B**  
**BHD-35A\*/B**  
**BHD-50A\*/B**



**BHDP-50/B**



**BHDP-60A\*/B**

### Warranty

1 Year Unit Replacement Warranty\*

\*For details, visit [www.comfort-aire.com](http://www.comfort-aire.com)



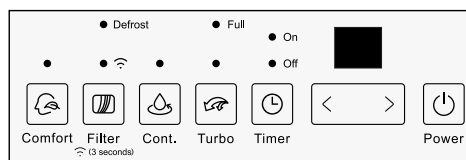
# Portable Dehumidifiers

22 Pint, 35 Pint, 50 Pint, and 60 Pint Capacities



## FEATURES

- 115V
- 24 hour timer
- Auto restart
- Electronic controls
- Low temperature operation
- Automatic Water Level Shut-Off
- Energy Star Certified



## BHD-22A

22 pints/day

Bucket Capacity: 6.34 pints

### SPECIFICATIONS

Capacity (pts per day)	22
Voltage	115
Energy Factor L/kWH	1.7
Energy Star®	Yes
Input Watts/Amps	250/2.2
24 Hour On/Off Timer	Yes
Electronic Controls	Yes
Fan Speeds	2
Sound Level (dBA) (Hi/Lo)	50/46.5
Low Temp Operation	41 F
Set/Room Humidity Display	Yes
Full Bucket/Auto Shut-Off	Yes
Auto Restart	Yes
Auto Defrost Control	Yes
Bucket Capacity	6.34 pints
Pump Lift	N/A
Dimension (inches) W x D x H	15.2/10.24/19.69
Net Weight (lbs.)	33.1
Ship Wt lbs.	35.5

## BHD-35A

35 pints/day

Bucket Capacity: 12.68 pints

### SPECIFICATIONS

Capacity (pts per day)	35
Voltage	115
Energy Factor L/kWH	1.9
Energy Star®	Yes
Input Watts/Amps	360/3.25
24 Hour On/Off Timer	Yes
Electronic Controls	Yes
Fan Speeds	2
Sound Level (dBA) (Hi/Lo)	50/48
Low Temp Operation	41 F
Set/Room Humidity Display	Yes
Full Bucket/Auto Shut-Off	Yes
Auto Restart	Yes
Auto Defrost Control	Yes
Bucket Capacity	12.68 pints
Pump Lift	N/A
Dimension (inches) W x D x H	15.43/11.1/24.25
Net Weight (lbs.)	40.6
Ship Wt lbs.	41.6

## BHD-50A

50 pints/day

Bucket Capacity: 12.68 pints

### SPECIFICATIONS

Capacity (pts per day)	50
Voltage	115
Energy Factor L/kWH	1.9
Energy Star®	Yes
Input Watts/Amps	515/4.8
24 Hour On/Off Timer	Yes
Electronic Controls	Yes
Fan Speeds	2
Sound Level (dBA) (Hi/Lo)	51/49
Low Temp Operation	41 F
Set/Room Humidity Display	Yes
Full Bucket/Auto Shut-Off	Yes
Auto Restart	Yes
Auto Defrost Control	Yes
Bucket Capacity	12.68 pints
Pump Lift	N/A
Dimension (inches) W x D x H	15.43/11.1/24.25
Net Weight (lbs.)	42.1
Ship Wt lbs.	45.2

Relative Humidity Range 35% to 85%



**BHDP-60A with Built-In Pump**  
**60 pints/day**  
**Bucket Capacity: 21.13 pints**

**FEATURES**

- 115V
- 24 hour timer
- Auto restart
- Electronic controls
- Low temperature operation
- Automatic Water Level Shut-Off
- Pump Lift
- Energy Star Certified

**SPECIFICATIONS**

Capacity (pts per day)	60
Voltage	115
Energy Factor L/kWH	2.8
Energy Star®	Yes
Input Watts/Amps	420/4.1
24 Hour On/Off Timer	Yes
Electronic Controls	Yes
Fan Speeds	2
Sound Level (dBA) (Hi/Lo)	59/55
Low Temp Operation	41 F
Set/Room Humidity Display	Yes
Full Bucket/Auto Shut-Off	Yes
Auto Restart	Yes
Auto Defrost Control	Yes
Bucket Capacity	21.13 pints
Pump Lift	16.4
Dimension (inches) W x D x H	18.78/14.17/24.61
Net Weight (lbs.)	58.2
Ship Wt lbs.	62.6



**Optional Direct Drain Connection**



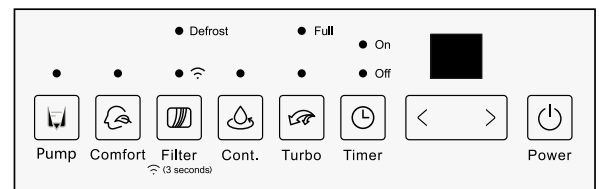
**Easy-View Sightglass**



**Convenient Drain Bucket**



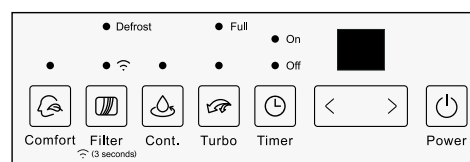
**Relative Humidity Range 35% to 85%**





## FEATURES

- 115V
- 24 hour timer
- Auto restart
- Electronic controls
- Low temperature operation
- Automatic Water Level Shut-Off
- Energy Star Certified



## BHD-22B

**22 pints/day**

**Bucket Capacity: 6.34 pints**

### SPECIFICATIONS

Capacity (pts per day)	22
Voltage	115V
Energy Factor L/kWH	1.7
Energy Star®	Yes
Input Watts/Amps	250/2.2
24 Hour On/Off Timer	Yes
Electronic Controls	Yes
Fan Speeds	2
Sound Level (dBA) (Hi/Lo)	56/51
Low Temp Operation	41 F
Set/Room Humidity Display	Yes
Full Bucket/Auto Shut-Off	Yes
Auto Restart	Yes
Auto Defrost Control	Yes
Bucket Capacity	6.34
Pump Lift	N/A
Dimension (inches) W x D x H	15.20 x 10.24 x 19.69
Net Weight (lbs.)	32.41
Ship Wt lbs.	34.39

## BHD-35B

**35 pints/day**

**Bucket Capacity: 12.68 pints**

### SPECIFICATIONS

Capacity (pts per day)	35
Voltage	115V
Energy Factor L/kWH	1.9
Energy Star®	Yes
Input Watts/Amps	515/4.6
24 Hour On/Off Timer	Yes
Electronic Controls	Yes
Fan Speeds	2
Sound Level (dBA) (Hi/Lo)	54.5/49
Low Temp Operation	41
Set/Room Humidity Display	Yes
Full Bucket/Auto Shut-Off	Yes
Auto Restart	Yes
Auto Defrost Control	Yes
Bucket Capacity	12.68
Pump Lift	N/A
Dimension (inches) W x D x H	15.43 x 11.10 x 24.25
Net Weight (lbs.)	40.66
Ship Wt lbs.	43.65

## BHD-50B

**50 pints/day**

**Bucket Capacity: 12.68 pints**

### SPECIFICATIONS

Capacity (pts per day)	50
Voltage	115V
Energy Factor L/kWH	1.9
Energy Star®	Yes
Input Watts/Amps	515/4.6
24 Hour On/Off Timer	Yes
Electronic Controls	Yes
Fan Speeds	2
Sound Level (dBA) (Hi/Lo)	54.5/49
Low Temp Operation	41
Set/Room Humidity Display	Yes
Full Bucket/Auto Shut-Off	Yes
Auto Restart	Yes
Auto Defrost Control	Yes
Bucket Capacity	12.68
Pump Lift	N/A
Dimension (inches) W x D x H	15.43 x 11.10 x 24.25
Net Weight (lbs.)	41.23
Ship Wt lbs.	44.31

Relative Humidity Range 35% to 85%



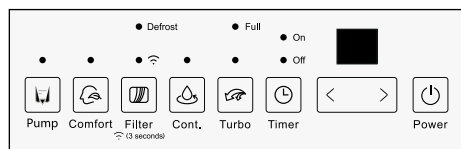
**BHDP-50B with Built-In Pump**  
**50 pints/day**  
**Bucket Capacity: 12.68 pints**

**FEATURES**

- 115V
- 24 hour timer
- Auto restart
- Electronic controls
- Low temperature operation
- Automatic Water Level Shut-Off
- Pump Lift
- Energy Star Certified

**SPECIFICATIONS**

Capacity (pts per day)	50
Voltage	115V
Energy Factor L/kWH	1.9
Energy Star®	Yes
Input Watts/Amps	515/4.8
24 Hour On/Off Timer	Yes
Electronic Controls	Yes
Fan Speeds	2
Sound Level (dBA) (Hi/Lo)	54.5/45
Low Temp Operation	41 F
Set/Room Humidity Display	Yes
Full Bucket/Auto Shut-Off	Yes
Auto Restart	Yes
Auto Defrost Control	Yes
Bucket Capacity	12.68
Pump Lift	16.4
Dimension (inches) W x D x H	15.43 x 11.10 x 24.25
Net Weight (lbs.)	42.11
Ship Wt lbs.	45.19



**BHDP-60B with Built-In Pump**  
**60 pints/day**  
**Bucket Capacity: 21.13 pints**

**FEATURES**

- 115V
- 24 hour timer
- Auto restart
- Electronic controls
- Low temperature operation
- Automatic Water Level Shut-Off
- Pump Lift
- Energy Star Certified

**SPECIFICATIONS**

Capacity (pts per day)	60
Voltage	115V
Energy Factor L/kWH	2.8
Energy Star®	Yes
Input Watts/Amps	420/4.1
24 Hour On/Off Timer	Yes
Electronic Controls	Yes
Fan Speeds	2
Sound Level (dBA) (Hi/Lo)	59/55
Low Temp Operation	41 F
Set/Room Humidity Display	Yes
Full Bucket/Auto Shut-Off	Yes
Auto Restart	Yes
Auto Defrost Control	Yes
Bucket Capacity	21.13
Pump Lift	16.4
Dimension (inches) W x D x H	18.78 x 14.17 x 24.61
Net Weight (lbs.)	58.2
Ship Wt lbs.	62.6



Relative Humidity Range 35% to 85%



Easy-View Sightglass



Optional Direct Drain Connection



Convenient Drain Bucket





# Portable Dehumidifiers

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.

Capacity needed is shown in pints per day, these are guidelines only.

Dehumidifier Sizing Chart					
Tabla de tallas del deshumidificador					
Room Conditions <i>Condiciones de habitacion</i>	Square Footage of Space <i>Imágenes cuadradas del espacio</i>				
	500 sq. ft.	1,000 sq. ft.	1,500 sq. ft.	2,000 sq. ft.	2,500 sq. ft.
<b>Mild Humidity</b> - occasional damp feeling and musty odor <i>Humedad leve - Sensación de humedad ocasional y olor</i>	BHD-22A/B				
<b>Moderately Humid</b> - always damp and more pervasive musty odors <i>Moderadamente húmedo- Olores a humedad siempre húmedos y más percassos</i>	BHD-35A/B				
<b>Very Humid</b> - condensation stains/spots present, wet feeling, constant musty odor <i>Muy húmedo- Manchas / manchas de condensación presentes, sensación de humedad, olor a humedad constante</i>	BHD(P) -50A/B, BHDP-60A/B				
<b>Extreme Humidity</b> - uncomfortably wet feeling, stains/spots, mold growth, constant musty odors <i>Humedad extrema- sensación de humedad incómoda, manchas / manchas, crecimiento de moho, olores constantes de mosto</i>					

"This product complies with all California product labeling laws including, but not limited to, the Safe Drinking Water and Toxic Enforcement Act of 1986, more commonly known as Proposition 65."

Due to ongoing product improvements, specifications and dimensions are subject to change and correction without notice or incurring obligations. Determining the application and suitability for use of any product is the responsibility of the installer. Additionally, the installer is responsible for verifying dimensional data on the actual product prior to beginning any installation preparations. Third party incentive and rebate programs have precise requirements as to product performance and certification. All products meet applicable regulations in effect on date of manufacture; however, certifications are not necessarily granted for the life of a product. Therefore, it is the responsibility of the applicant to determine whether a specific model qualifies for these incentive/rebate programs.