

Comfort-Aire®



Room Air Product Catalog

www.comfort-aire.com



Table of Contents

The full range of Comfort-Aire products for the Room Air market is presented in this catalog. Products are grouped into categories for your convenience and each section is color-coded, as shown below.

This catalog represents the latest information available at time of publication; however, because of on-going product improvements, we reserve the right to change design, specifications, performance data and materials without notice.

 Room Air Accessories	1
 Room Air Display Racks	1
 RXTS-Series Window Air Conditioners	2-3
 Room Air Cooling	4-5
 Cooling With Electric Heat	5-6
 Thru-the-Wall Cooling	6-7
 Thru-the-Wall Heating	7
 Installation Tips	8
 Casement Cooling	8
 Heat Pump	8
 Portables	9
 Specifications	10-11
 Portable Cube Dehumidifiers	12-13
 Dehumidifiers	14
 Mini-Splits	15-19
 26" PTACs	20
 42" PTACs	21



Comfort-Aire room air products come charged with the environmentally friendly R-410A and R-32 refrigerant.



All Comfort-Aire room air products are listed with either CSA or UL for application in the United States and Canada. See the model rating plate for specific certifications.



visit us online at: www.comfort-aire.com

Tips for SIZING

Room air units are an economical and practical means of adding comfort to a home, commercial space, warehouse office, or other area. For best results, the air conditioner or room heat pump should be correctly sized for the space. The specifications in this catalog show the approximate square footage which each unit effectively cools. However, other factors should be considered in selecting model size—it would be a good idea to choose the next size up if there are multiple doors and windows in the space, if ceilings are exceptionally high, if heat-generating equipment is used, or if several people occupy the space.

Use the chart below as a quick reference in determining which unit(s) will fit your needs.

Square Feet to be conditioned	Square Meters to be conditioned	Capacity Needed (BTUH)
100 - 150	9.3 - 13.9	5,000
150 - 250	13.9 - 23.2	6,000
250 - 300	23.2 - 27.9	7,000
300 - 350	27.9 - 32.5	8,000
350 - 400	32.5 - 37.2	9,000
400 - 450	37.2 - 41.8	10,000
450 - 550	41.8 - 51.1	12,000
550 - 700	51.1 - 65.1	14,000
700 - 1,000	65.1 - 92.9	18,000
1,000 - 1,200	92.9 - 111.5	21,000
1,200 - 1,400	111.5 - 130.1	23,000
1,400 - 1,500	130.1 - 139.4	25,000
1,500 - 2,000	139.4 - 185.8	30,000

Guidelines from www.energystar.gov

Energy Star recommends increasing capacity by 10% for a sunny room, decreasing by 10% for shaded room.

If used in a kitchen, add 4,000 BTUHs to the total.

If more than two people regularly use the room, add 600 BTUH for each additional person.

Room Air Accessories

Window Support Brackets

Easy-to-install brackets add a full measure of safety to window-mounted air conditioners. Manufactured from heavy gauge steel with a durable baked-on epoxy finish, the brackets have stainless steel hardware to resist weather damage. Unique bubble level helps ensure proper installation angle.

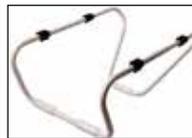
AS080—For room air conditioners up to 80 pounds
Box Dimensions (in.) - 4 x 12 x 2

AS160—For room air conditioners up to 160 pounds
Box Dimensions (in.) - 4 x 17 x 2



Both brackets install and remove with no structural disturbance.

NTN-1—No screws or penetrations, simple, yet robust design
Box Dimensions (in.) - 23T x 2.25D x 3.25W



NTN-2—No screws or penetrations, easy "drop in" installation
Box Dimensions (in.) - 11T x 16D x 14W

Room Air Display Racks

Mini-Split Display Rack



Part #6077
28 1/4"W x 21-1/2"D & is 74" H
(Header Not Included)

Part #6078
Comfort-Aire Header

Room Air Display Rack



Part # 8374
30"W x 27"D & is 72" H
(rack includes header)

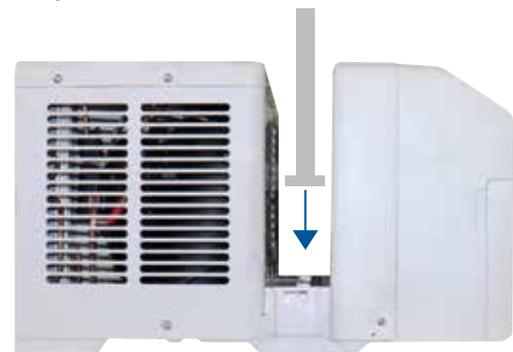
Safe. Quiet. Efficient.

The RXTS-Series Window Air Conditioner is an evolution in design and features, providing more security, quieter operation, and better efficiency.

The revolutionary “U” shape allows the window sash to close through the chassis, effectively separating the compressor portion of the air conditioner and locking the noisy outside world away from your peace and quiet. This innovative “U” shape design feature provides more security than typical window air conditioners with plastic accordion-style wings.

FEATURES

- **The RXTS-Series** limits the opening necessary to have air conditioning – allowing more visibility and less potential access.
- **The RXTS-Series** also locks the sash in place once it is lowered into the air conditioner with an anti-theft mechanism.
- **A sturdy window bracket** (included) allows the window to open-and-close while the air conditioner stays secure – providing the ability to allow fresh air into your home anytime.



with full-featured remote

RXTS-81A

8,000 BTUH

SPECIFICATIONS

BTUH	8,000
Voltage	115V
Energy Star®	Yes
Input Watts/Amps	720 / 8.78
24 Hour On/Off Timer	Yes
Electronic Controls	Yes
Fan Speeds	3
Sound Level (dBA) (Hi/Mi/Lo)	47/40/33
Low Temp Operation	60
Auto Restart	Yes
Dimension (inches) W x D x H	19.17x21.97x13.46
Net Weight (lbs.)	55.56
Ship Wt lbs.	68.12

RXTS-101A

10,000 BTUH

SPECIFICATIONS

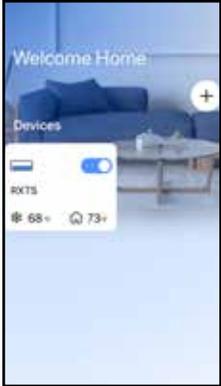
BTUH	10,000
Voltage	115V
Energy Star®	Yes
Input Watts/Amps	890 / 9.97
24 Hour On/Off Timer	Yes
Electronic Controls	Yes
Fan Speeds	3
Sound Level (dBA) (Hi/Mi/Lo)	51/44/36
Low Temp Operation	60
Auto Restart	Yes
Dimension (inches) W x D x H	19.17x21.97x13.46
Net Weight (lbs.)	56.88
Ship Wt lbs.	69.22

RXTS-121A

12,000 BTUH

SPECIFICATIONS

BTUH	12,000
Voltage	115V
Energy Star®	Yes
Input Watts/Amps	1140 / 12.17
24 Hour On/Off Timer	Yes
Electronic Controls	Yes
Fan Speeds	3
Sound Level (dBA) (Hi/Mi/Lo)	52/45/39
Low Temp Operation	60
Auto Restart	Yes
Dimension (inches) W x D x H	19.17x21.97x13.46
Net Weight (lbs.)	58.86
Ship Wt lbs.	70.77



Smart Control
It works with Google Assistant and Alexa. It is also smartphone compatible and can be controlled from anywhere through the cloud using an app on iOS or Android.

More Efficiency - Less Noise.

Achieve more than 35% energy savings over typical window air conditioners with the advanced DC inverter technology present in The RXTS-Series. Inverter compressor operation allows air conditioners to run at lower RPM's, using less power and creating less noise. The RXTS Window Air Conditioners can operate as low as 42 dBA – almost as quiet as a library – to provide idyllic, peaceful comfort.

Control your comfort from anywhere in the world: The RXTS-Series boasts smartphone capability, allowing iOS or Android devices to enable operation remotely – even use voice commands through Alexa or Google Assistant!



scan QR code to view video

Table/Pedestal Display



Part #8375
26"W x 22"D & is 62-1/2" H



Over 35% Energy Savings*

Inverter compressor technology keeps the system running at peak efficiency. This can mean up to 35% energy savings over traditional window air conditioners.

RXTS-Series Sizing Chart		
350 sq. ft.	450 sq. ft.	550 sq. ft.
RXTS-81A 8,000 BTU	RXTS-101A 10,000 BTU	RXTS-121A 12,000 BTU

Cooling • 5,000 to 6,000 BTUH



RG-51Q

5,000 BTUH
Nominal

FEATURES

- Electro-mechanical seven-position control for easy temperature selection
- Adjustable thermostat from minimal cooling to maximum cooling
- Easy to access, slide-out filter is washable
- Adjustable air direction
- Compact, lightweight cabinet with attractive decorator front grille



RADS-51Q

5,000 BTUH
Nominal

FEATURES

- Electronic controls with remote
- Two-way adjustable air direction
- Easy-access, slide-out, washable filter
- One degree temperature adjustment
- 24-hour on/off timer and auto restart, energy saver function; auto, dehumidification and sleep modes



RADS-61R

6,000 BTUH
Nominal

FEATURES

- Electronic controls with full feature remote and auto restart
- Four-way adjustable air direction
- Easy-access, slide-out, washable filter
- One degree temperature adjustment
- 24-hour on/off timer and auto restart, energy saver function; auto, dehumidification and sleep modes
- Smartphone Compatible

Cooling • 8,000 to 12,000 BTUH



RADS-81R01

8,000 BTUH
Nominal

FEATURES

- Electronic controls with full feature remote and auto restart
- Four-way adjustable air direction
- Easy-access, slide-out, washable filter
- One degree temperature adjustment
- 24-hour on/off timer and auto restart, energy saver function; auto, dehumidification and sleep modes
- Smartphone Compatible



RADS-101R01

10,000 BTUH
Nominal

FEATURES

- Electronic controls with full feature remote and auto restart
- Four-way adjustable air direction
- Easy-access, slide-out, washable filter
- One degree temperature adjustment
- 24-hour on/off timer and auto restart, energy saver function; auto, dehumidification and sleep modes
- Smartphone Compatible



RADS-121R01

12,000 BTUH
Nominal

FEATURES

- Electronic controls with full feature remote and auto restart
- Four-way adjustable air direction
- Easy-access, slide-out, washable filter
- One degree temperature adjustment
- 24-hour on/off timer and auto restart, energy saver function; auto, dehumidification and sleep modes
- Smartphone Compatible

Cooling • 15,000 to 25,000 BTUH



RADS-151R01 **15,000 BTUH**
Nominal

FEATURES

- Electronic controls with full feature remote and auto restart
- Four-way adjustable air direction
- Easy-access, slide-out, washable filter
- One degree temperature adjustment
- Energy saver function, 24-hour on/off timer, dehumidification and auto modes
- Smartphone Compatible



RADS-183S **18,000 BTUH**
Nominal

FEATURES

- Electronic controls with full feature remote and auto restart
- Four-way adjustable air direction
- Easy-access, slide-out, washable filter
- One degree temperature adjustment
- Energy saver function, 24-hour on/off timer, dehumidification and auto modes
- Smartphone Compatible
- Slide out Chassis



RADS-253S **25,000 BTUH**
Nominal

FEATURES

- Electronic controls with full feature remote and auto restart
- Four-way adjustable air direction
- Easy-access, slide-out, washable filter
- One degree temperature adjustment
- Energy saver function, 24-hour on/off timer, dehumidification and auto modes
- Smartphone Compatible
- Slide out Chassis

Cooling • 28,000 BTUH



RAD-283R/S **28,000 BTUH**

FEATURES

- Large capacity cooling for residential or commercial applications
- Electronic controls with full feature remote and auto restart
- Four-way adjustable air direction
- Easy-access, slide-out, washable filter
- Energy saver function, 24-hour on/off timer, dehumidification and auto modes
- Smartphone Compatible
- Slide out Chassis

Cooling/Electric Heat • 8,000 to 12,000 BTUH



REG-81R01 **8,000 BTUH**
Nominal

FEATURES

- Electronic controls with full feature remote, 24-hour on/off timer
- Energy saver mode, auto restart
- Four way adjustable air direction
- One degree temperature adjustment
- Designed for supplemental electric heat only, thermostat cycles heating element on and off
- Slide out Chassis



REG-123R01 **12,000 BTUH**
Nominal

FEATURES

- Electronic controls with full feature remote, 24-hour on/off timer
- Energy saver mode, auto restart
- Four way adjustable air direction
- One degree temperature adjustment
- Designed for supplemental electric heat only, thermostat cycles heating element on and off
- Slide out Chassis

Cooling/Electric Heat • 12,000 to 25,000 BTUH

Thru-the-Wall • 8,000 BTUH



REG-183R01 **18,000 BTUH**
Nominal

FEATURES

- Electronic controls with full feature remote, 24-hour on/off timer
- Energy saver mode, auto restart
- Four-way adjustable air direction
- One degree temperature adjustment
- Designed for supplemental electric heat only, thermostat cycles heating element on and off
- Smartphone Compatible
- Slide out Chassis



REG-253R01 **25,000 BTUH**
Nominal

FEATURES

- Electronic controls with full feature remote, 24-hour on/off timer
- Energy saver mode, auto restart
- Four-way adjustable air direction
- One degree temperature adjustment
- Designed for supplemental electric heat only, thermostat cycles heating element on and off
- Smartphone Compatible
- Slide out Chassis



BG-81R01 **8,000 BTUH**
Nominal

FEATURES

- Electronic controls with full feature remote and auto restart
- Four-way adjustable air direction
- Energy saver function and 24-hour on/off timer
- Auto and sleep modes
- Interior trim kit included
- Fits standard wall sleeves
- Smartphone Compatible

Thru-the-Wall • 10,000 to 12,000 BTUH



BG-101R01 **10,000 BTUH**
Nominal

FEATURES

- Electronic controls with full feature remote and auto restart
- Four-way adjustable air direction
- Energy saver function and 24-hour on/off timer
- Interior trim kit included
- Fits standard wall sleeves
- Auto and sleep modes
- Smartphone Compatible



BG-103R01 **10,000 BTUH**
Nominal

FEATURES

- Electronic controls with full feature remote and auto restart
- Four-way adjustable air direction
- Energy saver function and 24-hour on/off timer
- Interior trim kit included
- Fits standard wall sleeves
- Auto and sleep modes
- Smartphone Compatible



BG-121R01 **12,000 BTUH**
Nominal

FEATURES

- Electronic controls with full feature remote and auto restart
- Four-way adjustable air direction
- Energy saver function and 24-hour on/off timer
- Interior trim kit included
- Fits standard wall sleeves
- Auto and sleep modes
- Smartphone Compatible

Thru-the-Wall • 12,000 to 14,000 BTUH



BG-123R01

12,000 BTUH
Nominal

FEATURES

- Electronic controls with full feature remote and auto restart
- Four-way adjustable air direction
- Energy saver function and 24-hour on/off timer
- Interior trim kit included
- Fits standard wall sleeves
- Auto and sleep modes
- Smartphone Compatible



BG-143M

14,000 BTUH
Nominal

FEATURES

- Electronic controls with full feature remote, auto restart
- Four-way adjustable air direction
- 24-hour on/off timer, auto cool and sleep mode
- Interior trim kit included
- Fits standard wall sleeves
- Auto cool, auto mode, dehum only



BG-143R01

14,000 BTUH
Nominal

FEATURES

- Electronic controls with full feature remote and auto restart
- Four-way adjustable air direction
- Energy saver function and 24-hour on/off timer
- Interior trim kit included
- Fits standard wall sleeves
- Auto and sleep modes
- Smartphone Compatible

Thru-the-Wall with Electric Heat • 10,000 to 14,000 BTUH



BGE-103R01

10,000 BTUH
Nominal

FEATURES

- Electronic controls with full feature remote
- Four-way adjustable air direction
- Energy saver function, 24-hour on/off timer, auto cool and auto restart
- Interior trim kit included
- Fits standard wall sleeves
- Includes electric heat
- Smartphone Compatible



BGE-123R01

12,000 BTUH
Nominal

FEATURES

- Electronic controls with full feature remote
- Four-way adjustable air direction
- Energy saver function, 24-hour on/off timer, auto cool and auto restart
- Interior trim kit included
- Fits standard wall sleeves
- Includes electric heat
- Smartphone Compatible



BGE-143M

14,000 BTUH
Nominal

FEATURES

- Electronic controls with full feature remote
- Four-way adjustable air direction
- Energy saver function, 24-hour on/off timer, auto cool and auto restart
- Interior trim kit included
- Fits standard wall sleeves
- Includes electric heat

TTW w/ Elect. Heat • 14,000 BTUH

Casement/Slider • 8,000 to 10,000 BTUH



BGE-143M

14,000 BTUH
Nominal

FEATURES

- Electronic controls with full feature remote
- Four-way adjustable air direction
- Energy saver function, 24-hour on/off timer, auto cool and auto restart
- Interior trim kit included
- Fits standard wall sleeves
- Includes electric heat
- Smartphone Compatible



CD-81R01

8,000 BTUH
Nominal

FEATURES

- For horizontal sliding or casement windows, fits opening 20⁵/₁₆" to 39⁷/₁₆" high, starting at 15¹/₂" wide
- Electronic controls and remote
- Four-way adjustable air direction
- Energy saver mode and 24-hour on/off timer, auto restart



CD-101R01

10,000 BTUH
Nominal

FEATURES

- For horizontal sliding or casement windows, fits opening 20⁵/₁₆" to 39⁷/₁₆" high, starting at 15¹/₂" wide
- Electronic controls and remote
- Four-way adjustable air direction
- Energy saver mode and 24-hour on/off timer, auto restart

Heat Pumps • 12,000 to 18,000 BTUH



RAH-123M

12,000 BTUH

Nominal

FEATURES

- Electronic controls, wireless remote
- Sleep mode and 24-hour timer
- Thru-the-wall or window mount with support bracket included
- Cooling, heating, fan only and auto operation, energy saver mode
- Switches to supplemental electric heat at 40°F outside temperature (Not primary source of heat)



RAH-123R

12,000 BTUH

Nominal

FEATURES

- Electronic controls, wireless remote
- Sleep mode and 24-hour timer
- Thru-the-wall or window mount with support bracket included
- Cooling, heating, fan only and auto operation, energy saver mode
- Switches to supplemental electric heat at 40°F outside temperature (Not primary source of heat)



RAH-183R

18,000 BTUH

Nominal

FEATURES

- Electronic controls, wireless remote
- Automatic louver swing
- Thru-the-wall or window mount with support bracket included
- Cooling, heating, fan only, energy saver mode. and 24-hour timer
- Switches to supplemental electric heat at 40°F outside temperature (Not primary source of heat)

Portable Cooling • 8,000 to 12,000 BTUH



PS-81G

8,000 BTUH
Nominal

FEATURES

- Cool a room without any ductwork or any special wiring, and move the unit from room to room as needed
- Ideal wherever temporary cooling is needed or where a window A/C isn't an option
- Built-in condensate disposal
- 60" single hose for fast installation
- Automatic louver swing
- Washable filter is easily accessed
- 24-hour on/off timer, auto restart
- ASHRAE Standard 128-2001



PS-101G

10,000 BTUH
Nominal

FEATURES

- Cool a room without any ductwork or any special wiring, and move the unit from room to room as needed
- Ideal wherever temporary cooling is needed or where a window A/C isn't an option
- Built-in condensate disposal
- 60" single hose for fast installation
- Automatic louver swing
- Washable filter is easily accessed
- 24-hour on/off timer, auto restart
- ASHRAE Standard 128-2001



PS-121D

12,000 BTUH
Nominal

FEATURES

- Cool a room without any ductwork or any special wiring, and move the unit from room to room as needed
- Ideal wherever temporary cooling is needed or where a window A/C isn't an option
- Built-in condensate disposal
- 60" single hose for fast installation
- Automatic louver swing
- Washable filter is easily accessed
- 24-hour on/off timer, auto restart
- ASHRAE Standard 128-2001

Portable Heat Pump • 12,000 BTUH

Advantages of Portable Cooling/Heating



PSH-141D

14,000 BTUH
Nominal

FEATURES

- Cool a room without any ductwork or any special wiring, and move the unit from room to room as needed
- Ideal wherever temporary cooling is needed or where a window A/C isn't an option
- Built-in condensate disposal
- 60" single hose for fast installation
- Automatic louver swing
- Washable filter is easily accessed
- 24-hour on/off timer, auto restart
- ASHRAE Standard 128-2001

Portable air conditioners and heat/cool models are ideal for any area where temporary cooling (or heating) is needed, or in situations where a window air conditioner isn't an option.

Historical properties are ideal candidates for portables since the aesthetics of the building's exterior are maintained.

Also, additions to existing homes can be conditioned without upgrading the entire HVAC unit to accommodate the added square footage.

Some other applications that can benefit from the efficiency and portability of these units:

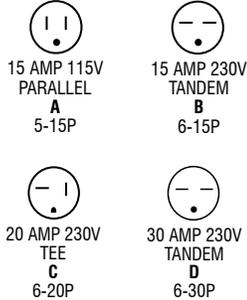
- Apartments
- College dormitory rooms
- Bedrooms and sunrooms
- Cottages/vacation homes
- Home workshops
- School and church classrooms
- Warehouse offices



A large diameter, 60" flexible hose effectively exhausts hot air to the outside.

Specifications

Powercord Configurations



Sizing Guidelines

Use the chart below as a quick reference in determining which unit(s) will fit your needs

Square Feet to be conditioned	Square Meters to be conditioned	Capacity Needed (BTUH)
100 - 150	9.3 - 13.9	5,000
150 - 250	13.9 - 23.2	6,000
250 - 300	23.2 - 27.9	7,000
300 - 350	27.9 - 32.5	8,000
350 - 400	32.5 - 37.2	9,000
400 - 450	37.2 - 41.8	10,000
450 - 550	41.8 - 51.1	12,000
550 - 700	51.1 - 65.1	14,000
700 - 1,000	65.1 - 92.9	18,000
1,000 - 1,200	92.9 - 111.5	21,000
1,200 - 1,400	111.5 - 130.1	23,000
1,400 - 1,500	130.1 - 139.4	25,000
1,500 - 2,000	139.4 - 185.8	30,000

Guidelines from www.energystar.gov

Energy Star recommends increasing capacity by 10% for a sunny room, decreasing by 10% for shaded room.

If used in a kitchen, add 4,000 BTUHs to the total.

If more than two people regularly use the room, add 600 BTUH for each additional person.

IMPORTANT!
Always wait to cut an opening until the unit arrives and dimensions can be verified.

Model	Cooling Capacity BTUH	Refrigerant Type	Approx. Sq. Ft. Cooling	CEER	Heating Capacity BTUH (Electric)	Electric (Volts)	Humidity Removal Pints/Hr	Remote Control
COOLING 8,000 to 12,000 BTUH U-SHAPED CHASSIS								
RXTS-81A	8,000	R-32	350	15	N/A	115	N/A	Yes
RXTS-101A	10,000	R-32	450	15	N/A	115	N/A	Yes
RXTS-121A	12,000	R-32	550	15	N/A	115	N/A	Yes
COOLING 5,000 to 10,000 BTUH								
RG-51Q	5,000	R-32	100-150	11.0	N/A	115	1.27	No
RADS-51Q*	5,000	R-32	100-150	12.2	N/A	115	1.27	Yes
RADS-61R*	6,000	R-32	150-250	12.1	N/A	115	1.48	Yes
RADS-81R01*	8,000	R-32	300-350	11.4	N/A	115	2.11	Yes
RADS-101R01*	10,000	R-32	400-450	11.4	N/A	115	2.32	Yes
RADS-121R01*	12,000	R-32	450-550	11.4	N/A	115	2.54	Yes
RADS-151R01*	14,500	R-32	550-700	11.3	N/A	115	3.17	Yes
RADS-183S*	17,700/18,000	R-410	700-1000	11.8	N/A	208/230	3.80	Yes
RADS-253S*	24,700/25,000	R-410	1400-1500	10.3	N/A	208/230	5.71	Yes
RAD-283S	28,000/28,000	R-410	1500-2000	9.0	N/A	208/230	6.34	Yes
COOLING WITH ELECTRIC HEAT								
REG-81R01	8,000	R-32	300-350	10.9	3,500	115	1.90	Yes
REG-123R01	11,600/12,000	R-32	450-550	10.9	8,500/11,000	208/230	2.54	Yes
REG-183R01	18,200/18,500	R-32	700-1000	10.7	13,000/16,000	208/230	3.80	Yes
REG-253R01	24,700/25,000	R-32	1400-1500	9.4	13,000/16,000	208/230	5.71	Yes
THRU-THE-WALL COOLING								
BG-81R01*	8,000	R-32	300-350	10.6	N/A	115	2.11	Yes
BG-101R01*	10,000	R-32	400-450	10.6	N/A	115	2.32	Yes
BG-103R01*	9,800/10,000	R-32	400-450	10.6	N/A	208/230	2.32	Yes
BG-121R01*	12,000	R-32	450-550	10.5	N/A	115	2.54	Yes
BG-123R01*	11,700/12,000	R-32	450-550	10.5	N/A	208/230	2.54	Yes
BG-143M	13,600/14,000	R-410	550-700	9.5	N/A	208/230	2.96	Yes
BG-143R01	13,600/14,000	R-32	550-700	9.5	N/A	208/230	2.96	Yes
THRU-THE-WALL WITH ELECTRIC HEAT								
BGE-103R01	9,800/10,000	R-32	400-450	9.6	8,600/10,600	208/230	2.32	Yes
BGE-123R01	11,700/12,000	R-32	450-550	9.5	8,600/10,600	208/230	2.54	Yes
BGE-143M	13,600/14,000	R-410	550-700	9.5	8,600/10,600	208/230	2.96	Yes
BGE-143R01	13,600/14,000	R-32	550-700	9.5	8,600/10,600	208/230	2.96	Yes
CASEMENT SERIES								
CD-81R01	8,000	R-32	300-350	10.8	N/A	115	.90	Yes
CD-101R01	10,000	R-32	400-450	10.4	N/A	115	1.1	Yes
HEAT PUMPS								
RAH-123M	11,200/11,600	R-410	450-550	9.9	9,900/10,200**	208/230	3.17	Yes
RAH-123R	11,200/11,600	R-32	450-550	9.9	9,900/10,200**	208/230	3.17	Yes
RAH-183R	17,000/17,300	R-32	700-1000	9.9	14,000/14,300**	208/230	4.65	Yes
PORTABLE A/C								
PS-81G	8,000	R-32	300-350	10.24	N/A	115	2.32	Yes
PS-101G	10,000	R-32	400-450	9.5	N/A	115	2.74	Yes
PS-121D	12,000	R-32	450-550	9.0	N/A	115	4.23	Yes
PSH-141D	13,500	R-32	550-700	9.89	11,000	115	5.24	Yes
PORTABLE CUBE DEHUMIDIFIERS								
BCD-20A	N/A	R-410	N/A	N/A	N/A	115	.83	Yes
BCD-35A	N/A	R-410	N/A	N/A	N/A	115	1.45	Yes
BCD-50A	N/A	R-410	N/A	N/A	N/A	115	2.08	Yes
BCDP-50A	N/A	R-410	N/A	N/A	N/A	115	2.08	Yes
PORTABLE DEHUMIDIFIERS								
BHD-22B*	N/A	R-32	N/A	N/A	N/A	115	.91	Yes
BHD-35B*	N/A	R-32	N/A	N/A	N/A	115	1.45	Yes
BHD-50B*	N/A	R-32	N/A	N/A	N/A	115	2.08	Yes
BHDP-50B*	N/A	R-32	N/A	N/A	N/A	115	2.08	Yes
BHDP-60A*	N/A	R-410	N/A	N/A	N/A	115	2.5	Yes
BHDP-60B*	N/A	R-32	N/A	N/A	N/A	115	2.5	Yes

* Energy Star® rated ** Heat pump capacity



Model	Smartphone Compatible	Ventilation Control	Fan Only Speeds	Air Delivery Max. CFM	Fan Motor Speeds	Amps Cooling	Amps Heating	dB Level (hi/med/low)	Max Fuse Size Amps	Slide-Out Chassis	Window Mounting Kit (standard)	Power Cord Plug	Approx. Max-Wall Thickness (in.)	Ship Weight (lbs.)	Dimensions H x W x D (with base and front in inches)
COOLING 8,000 to 12,000 BTUH U-SHAPED CHASSIS															
RXTS-81A	Yes	No	3	345	3	8.78	N/A	47/40/33	15	No	Yes	A	5.0	69	13.46 x 19.17 x 21.97
RXTS-101A	Yes	No	3	425	3	9.97	N/A	51/44/36	15	No	Yes	A	5.0	71	13.46 x 19.17 x 21.97
RXTS-121A	Yes	No	3	450	3	12.17	N/A	52/45/39	15	No	Yes	A	5.0	73	13.46 x 19.17 x 21.97
COOLING 5,000 to 10,000 BTUH															
RG-51Q	No	No	2	145	2	4.6	N/A	56/52	15	No	Yes	A	3.3	40	12.0 x 16.0 x 13.2
RADS-51Q*	No	No	3	150	3	3.7	N/A	56/54/53	15	No	Yes	A	3.3	44	12.0 x 16.0 x 13.2
RADS-61R*	Yes	No	3	169	3	4.66	N/A	56/53/52	15	No	Yes	A	5.0	42	13.4 x 18.5 x 15.7
RADS-81R01*	Yes	No	3	188	3	5.1	N/A	61/58/55	15	No	Yes	A	5.7	47	13.4 x 18.5 x 15.7
RADS-101R01*	Yes	Yes	3	317	3	7.8	N/A	61/57.5/54	15	No	Yes	A	7.3	64	14.6 x 21.5 x 19
RADS-121R01*	Yes	Yes	3	300	3	10.1	N/A	61/59/58	15	No	Yes	A	7.3	75	14.6 x 21.5 x 19.0
RADS-151R01*	Yes	Yes	3	376	3	11.8	N/A	60.5/58/55.5	15	Yes	No	A	8.0	79	14.6 x 21.5 x 19.0
RADS-183S*	Yes	Yes	3	360	3	7.5/7.0	N/A	60/57/54	15	Yes	Yes	B	8.0	129	17.9 x 23.6 x 25.4
RADS-253S*	Yes	Yes	3	523	3	11.8/10.8	N/A	63/62/62	20	Yes	Yes	C	10.0	151	18.6 x 26.5 x 26.5
RAD-283S	Yes	Yes	3	523	3	15.0/13.8	N/A	63/58/56	30	Yes	Yes	D	10.0	156	18.6 x 26.5 x 26.5
COOLING WITH ELECTRIC HEAT															
REG-81R01	No	No	3	277	3	6.3	11.6	58/55/52	15	Yes	Yes	A	6.1	82	16.1 x 22.6 x 23.0
REG-123R01	No	No	3	279	3	5.2/5.0	16.0/14.5	61/58/55	20	Yes	Yes	C	6.1	95	16.1 x 22.6 x 23.0
REG-183R01	No	Yes	3	446	3	8.3/7.7	22.0/20.0	60/57/54	30	Yes	Yes	D	8.0	133	17.9 x 23.6 x 25.4
REG-253R01	No	Yes	3	523	3	12.4/11.3	22.5/20.0	63/61/58	30	Yes	Yes	D	10.0	156	18.6 x 26.5 x 26.5
THRU-THE-WALL COOLING															
BG-81R01*	Yes	No	3	270	3	7.0	N/A	57/54/52	15	No	Yes [▲]	A	18.0	76	14.5 x 24.2 x 20.3
BG-101R01*	Yes	No	3	269	3	8.3	N/A	57/55/53	15	No	Yes [▲]	A	18.0	80	14.5 x 24.2 x 20.3
BG-103R01*	Yes	No	3	275	3	4.8/4.5	N/A	58/56/54	15	No	Yes [▲]	B	18.0	80	14.5 x 24.2 x 20.3
BG-121R01*	Yes	No	3	286	3	10.0	N/A	61/59/57	15	No	Yes [▲]	A	18.0	87	14.5 x 24.2 x 20.3
BG-123R01*	Yes	No	3	286	3	5.6/5.2	N/A	61/59/57	15	No	Yes [▲]	B	18.0	89	14.5 x 24.2 x 20.3
BG-143M	No	No	3	296	3	7.5/6.9	N/A	61/60/59	15	No	Yes [▲]	B	18.0	89	14.5 x 24.2 x 20.3
BG-143R01	Yes	No	3	296	3	7.5/6.9	N/A	61/60/59	15	No	Yes [▲]	B	18.0	89	14.5 x 24.2 x 20.3
THRU-THE-WALL WITH ELECTRIC HEAT															
BGE-103R01	Yes	No	3	269	3	5.0/4.6	15.0/13.5	57/55/53	20	No	Yes [▲]	C	18.0	85	14.5 x 24.2 x 20.3
BGE-123R01	Yes	No	3	286	3	5.9/5.5	15.0/13.5	61/59/57	20	No	Yes [▲]	C	18.0	89	14.5 x 24.2 x 20.3
BGE-143M	No	No	3	296	3	7.5/6.9	15.0/13.5	61/60/59	20	No	Yes [▲]	C	18.0	89	14.5 x 24.2 x 20.3
BGE-143R01	Yes	No	3	296	3	7.5/6.9	15.0/13.5	61/60/59	20	No	Yes [▲]	C	18.0	89	14.5 x 24.2 x 20.3
CASEMENT SERIES															
CD-81R01	No	Yes	3	264	3	6.6	N/A	54/51/48	15	No	Yes	A	8.5	80	20.9 x 23.5 x 14.6
CD-101R01	No	Yes	3	323	3	8.5	N/A	61/58/56	15	No	Yes	A	8.5	84	20.9 x 23.5 x 14.6
HEAT PUMPS															
RAH-123M	No	No	3	265	3	5.3/5.1	5.3/5.1	72/70/68	20	Yes	Yes	C	6.6	110	15.3 x 22.6 x 23.6
RAH-123R	No	No	3	265	3	5.3/5.1	5.3/5.1	72/70/68	20	Yes	Yes	C	6.6	110	15.3 x 22.6 x 23.6
RAH-183R	No	Yes	3	541	3	7.8/7.3	7.0/6.5	72/70/68	20	Yes	Yes	C	7.6	159	16.9 x 26.0 x 27.8
PORTABLE A/C															
PS-81G	Yes	No	1	165	1	7.3	N/A	56/53/50	15	N/A	Yes	A	N/A	54	24.96 x 12.95 x 12.52
PS-101G	Yes	No	1	206	1	9.8	N/A	55/51	15	N/A	Yes	A	N/A	62	27.7 x 13.6 x 14.0
PS-121D	Yes	No	3	264	3	12	N/A	55/53/52.5	15	N/A	Yes	A	N/A	79	27.6 x 17.9 x 14.4
PSH-141D	Yes	No	3	333	3	11.7	10.9	57.5/55/53.5	15	N/A	Yes	A	N/A	89.7	30.1 x 18.4 x 15.6
PORTABLE CUBE DEHUMIDIFIERS															
BCD-20A	Yes	No	2	N/A	2	N/A	N/A	44/22	15	No	No	A	N/A	36.2	13.39 x 13.5 x 13.5
BCD-35A	Yes	No	2	N/A	2	N/A	N/A	45/42.5	15	No	No	A	N/A	44.2	14.57 x 14.76 x 14.45
BCD-50A	Yes	No	2	N/A	2	N/A	N/A	49.5/48	15	No	No	A	N/A	45.2	14.57 x 14.76 x 14.45
BCDP-50A	Yes	No	2	N/A	2	N/A	N/A	49.5/48	15	No	No	A	N/A	45.2	14.57 x 14.76 x 14.45
PORTABLE DEHUMIDIFIERS															
BHD-22B*	Yes	No	2	N/A	2	N/A	N/A	56/51	15	No	No	A	N/A	35.59	19.69 x 15.20 x 10.24
BHD-35B*	Yes	No	2	N/A	2	N/A	N/A	54.5/49	15	No	No	A	N/A	43.65	24.25 x 15.43 x 11.1
BHD-50B*	Yes	No	2	N/A	2	N/A	N/A	54.5/49	15	No	No	A	N/A	44.31	24.25 x 15.43 x 11.1
BHDP-50B*	Yes	No	2	N/A	2	N/A	N/A	54.5/45	15	No	No	A	N/A	45.19	24.25 x 15.43 x 11.1
BHDP-60A*	No	No	2	N/A	2	N/A	N/A	59/55	15	No	No	A	N/A	62.6	24.61 x 18.78 x 14.17
BHDP-60B*	Yes	No	2	N/A	2	N/A	N/A	59/55	15	No	No	A	N/A	62.6	24.61 x 18.78 x 14.17

▲ Interior trim kit for BG, BGE Series: Models use wall sleeve

BCD-Series - Minimalist Beauty

Note the minimalist design features that compliment any décor, making the Cube something to be proud of – not an appliance to hide. The Cube is not all about looks, however. Designed to stand over an existing floor drain for easy condensate removal, the Cube can also utilize the extra-large reservoir holding over 3 gallons of condensate if a floor drain is not available. That is 4 times the amount of capacity of typical dehumidifiers! Imagine allowing your dehumidifier to run for a week at a time without having to pour out the condensate. Emptying the tank is a cinch too – since the Cube tank is a bucket-design with an integral handle for easy lifting and pouring. Not at all like the small and awkward door tanks used on most dehumidifiers that spill while emptying.



FEATURES

- 115V
- 24 hour timer
- Auto restart
- Electronic controls
- Low temperature operation
- Automatic Water Level Shut-Off
- Pump Lift (BCDP-50A)
- Energy Star Certified
- Casters for easy portability
- Smartphone compatible

BCD-20A

20 pints/day

Bucket Capacity: 25 pints

SPECIFICATIONS

Capacity (pts per day)	20.04
Voltage	115V, 1ph, 60hz
Energy Factor L/kWH	1.7
Energy Star®	Yes
Input Watts/Amps	230/2.1
24 Hour On/Off Timer	Yes
Electronic Controls	Yes
Fan Speeds	2
Sound Level (dBA) (Hi/Mi/Lo)	44/42
Low Temp Operation	41F
Set/Room Humidity Display	Yes
Full Bucket/Auto Shut-Off	Yes
Auto Restart	Yes
Auto Defrost Control	Yes
Bucket Capacity	25 pints
Pump Lift	N/A
Dimension (inches) W x D x H	13.5 x 13.5 x 13.39
Net Weight (lbs.)	33.3
Ship Wt lbs.	36.2

BCD-35A

35 pints/day

Bucket Capacity: 33.8 pints

SPECIFICATIONS

Capacity (pts per day)	35.08
Voltage	115V, 1ph, 60hz
Energy Factor L/kWH	1.9
Energy Star®	Yes
Input Watts/Amps	345/3.1
24 Hour On/Off Timer	Yes
Electronic Controls	Yes
Fan Speeds	2
Sound Level (dBA) (Hi/Mi/Lo)	45/42.5
Low Temp Operation	41F
Set/Room Humidity Display	Yes
Full Bucket/Auto Shut-Off	Yes
Auto Restart	Yes
Auto Defrost Control	Yes
Bucket Capacity	33.8 pints
Pump Lift	N/A
Dimension (inches) W x D x H	14.76 x 14.45 x 14.57
Net Weight (lbs.)	41.1
Ship Wt lbs.	44.2

BCD-50A

50 pints/day

Bucket Capacity: 33.8 pints

SPECIFICATIONS

Capacity (pts per day)	49.58
Voltage	115V, 1ph, 60hz
Energy Factor L/kWH	1.95
Energy Star®	Yes
Input Watts/Amps	480/4.4
24 Hour On/Off Timer	Yes
Electronic Controls	Yes
Fan Speeds	2
Sound Level (dBA) (Hi/Mi/Lo)	49.5/48
Low Temp Operation	41F
Set/Room Humidity Display	Yes
Full Bucket/Auto Shut-Off	Yes
Auto Restart	Yes
Auto Defrost Control	Yes
Bucket Capacity	33.8 pints
Pump Lift	N/A
Dimension (inches) W x D x H	14.76 x 14.45 x 14.57
Net Weight (lbs.)	41.7
Ship Wt lbs.	45.2



Dehumidifier Sizing Chart

Tabla de tallas del deshumidificador

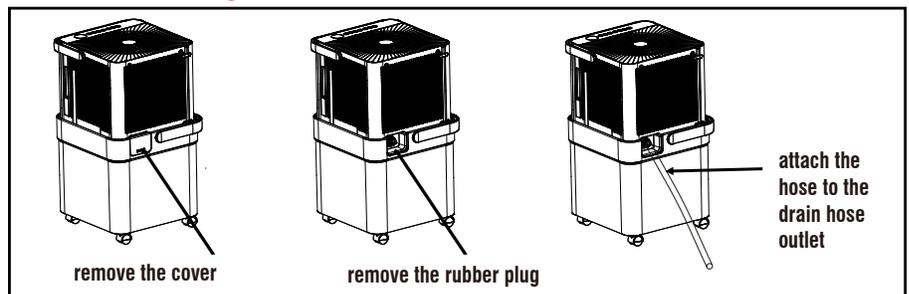
Room Conditions <i>Condiciones de habitacion</i>	Square Footage of Space <i>Imágenes cuadradas del espacio</i>				
	500 sq. ft.	1,000 sq. ft.	1,500 sq. ft.	2,000 sq. ft.	2,500 sq. ft.
Mild Humidity - occasional damp feeling and musty odor <i>Humedad leve</i> - Sensación de humedad ocasional y olor	<p>BCD-20A</p> <p>BCD-35A</p> <p>BCD-50A, BCDP-50A</p>				
Moderately Humid - always damp and more pervasive musty odors <i>Moderadamente húmedo</i> - Olores a humedad siempre húmedos y más percivos					
Very Humid - condensation stains/spots present, wet feeling, constant musty odor <i>Muy húmedo</i> - Manchas / manchas de condensación presentes, sensación de humedad, olor a humedad constante					
Extreme Humidity - uncomfortably wet feeling, stains/spots, mold growth, constant musty odors <i>Humedad extrema</i> - Sensación de humedad incómoda, manchas / manchas, crecimiento de moho, olores constantes de mosto					

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



BCDP-50A with Built-In Pump
50 pints/day
Bucket Capacity: 33.8 pints

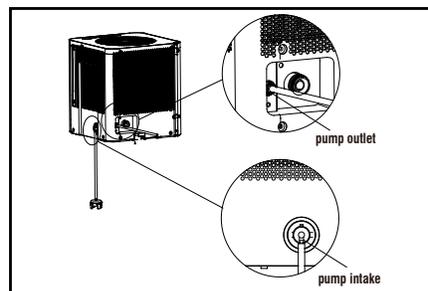
Continuous Draining



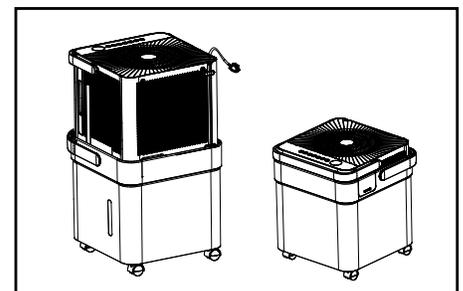
SPECIFICATIONS

Capacity (pts per day)	49.58
Voltage	115V, 1ph, 60hz
Energy Factor L/kWH	1.95
Energy Star®	Yes
Input Watts/Amps	480/4.4
24 Hour On/Off Timer	Yes
Electronic Controls	Yes
Fan Speeds	2
Sound Level (dBA) (Hi/Mi/Lo)	49.5/48
Low Temp Operation	41F
Set/Room Humidity Display	Yes
Full Bucket/Auto Shut-Off	Yes
Auto Restart	Yes
Auto Defrost Control	Yes
Bucket Capacity	33.8 pints
Pump Lift	16'
Dimension (inches) W x D x H	14.76 x 14.45 x 14.57
Net Weight (lbs.)	41.7
Ship Wt lbs.	45.2

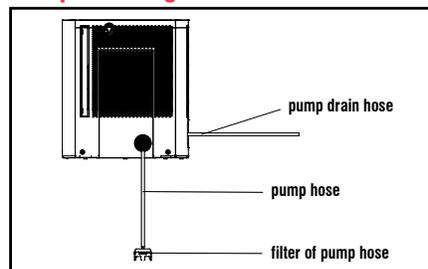
Built-In Pump (BCDP-50A)



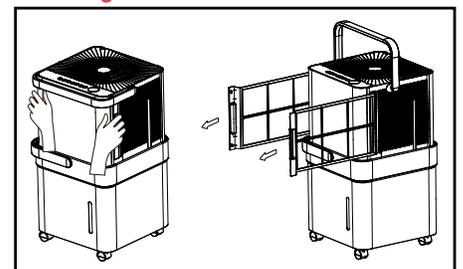
Easy Storage



Pump Draining



Cleaning the Air Filter



Portable Dehumidifiers

Portable Dehumidifiers

Easy to use with top mounted controls. Unit automatically shuts off when bucket is full. BHDP models have built-in pump for fast direct draining. Features auto defrost and auto restart. Slide-out filter is easily removed for washing and reusing. Low temperature operation to 41°F.

Condensate bucket is accessed from the front, has handy handholds on each side and an interior handle; unit can be adapted to direct drain. BHDP units with built-in pump can be used for direct drain or bucket can be used to collect condensate.



BHD-22B
Capacity 22 pints/day
Bucket Capacity: 6.34 pints

BHD-35B
Capacity 35 pints/day
Bucket Capacity: 12.68 pints

BHD-50B
Capacity 50 pints/day
Bucket Capacity: 12.68 pints

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

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



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

Features

- **Automatic Water Level Shut-Off**—When the drain bucket is full, 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
- **BHDP Models**—Built-in pump quickly and effectively removes condensate
- **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
- **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**—Automatically resumes 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

115V-1-60

	BHD- 22A	BHD- 22B	BHD- 35A	BHD- 35B	BHD- 50B	BHDP-50	BHDP-60A	BHDP-60B
Pts/Day	22	22	35	35	50	50	60	60
Input Amps	2.2	2.2	3.25	3.3	4.6	4.8	4.1	4.1
Bucket Cap.	6.34	6.34	12.68	12.68	12.68	12.68	21.13	21.13
Built-in Pump	No	No	No	No	No	Yes	Yes	Yes
Energy Star®	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sound (dBa)	50	51	50	50	51	51	59	58
Height (in.)	19.69	19.69	24.25	24.25	24.25	24.25	24.61	24.61
Width (in.)	15.2	15.2	15.43	15.43	15.43	15.43	18.78	18.78
Depth (in.)	10.24	10.24	11.1	11.1	11.1	11.1	14.17	14.17
Ship Wt lbs.	35.5	34.59	41.6	43.65	44.31	45.19	62.6	62



A = R410A Refrigerant
B = R32 Refrigerant

Ductless Mini-Splits

SVH-SB Series Single-Zone Heat Pumps

UP TO 18.5 SEER2

Optional
Smartphone
Compatibility

Model	Specifications
SVH09SB-0	9,000 cool/9,800 heat BTU, 115V, 17 SEER2, 10.1 EER2, 9 HSPF2
SVH09SB-1	9,000 cool/9,800 heat BTU, 208/230V, 18.5 SEER2, 10.5 EER2, 8.8 HSPF2
SVH12SB-0	12,000 cool/12,000 heat BTU, 115V, 17.4 SEER2, 8.8 EER2, 8.7 HSPF2
SVH12SB-1	12,000 cool/12,000 heat BTU, 208/230V, 17.6 SEER2, 8.8 EER2, 8.8 HSPF2
SVH18SB-1	18,000 cool/18,000 heat BTU, 208/230V, 18.3 SEER2, 9.9 EER2, 8.7 HSPF2
SVH24SB-1	24,000 cool/24,000 heat BTU, 208/230V, 17 SEER2, 8.9 EER2, 8 HSPF2

Optional 115 or 230 volt available on 9K and 12K

Our SVH-Series, rated up to 18.5 SEER2, offers economical zone control because only the room or area being used is conditioned. Also inverter technology matches the compressor speed to the room's changing temperature requirements.



Optional programmable wired controller

While
Supplies
Last

DVH-SG Series Single-Zone Heat Pumps

UP TO 19 SEER

Optional
Smartphone
Compatibility



Model	Specifications
DVH09SG-0	9,000 cool/9,000 heat; HP, 19 SEER, 12 EER, 10.0 HSPF
DVH09SG-1	9,000 cool/9,000 heat; HP, 19 SEER, 10.5 EER, 9.5 HSPF
DVH12SG-0	12,000 cool/12,000 heat; HP, 18 SEER, 11.0 EER, 9.5 HSPF
DVH12SG-1	12,000 cool/12,000 heat; HP, 19 SEER, 11.0 EER, 9.5 HSPF
DVH18SG-1	18,000 cool/18,000 heat; HP, 19 SEER, 11.0 EER, 10.0 HSPF
DVH24SG-1	24,000 cool/25,000 heat; HP, 17 SEER, 9.5 EER, 9.5 HSPF

Power Supply: 9K and 12K: 115V; 18K and 24K: 208/230V

Efficient, economical comfort with cooling, heating, fan only, sleep and dehumidification modes. Built with 24-hour timer, superior filtration and auto temperature compensation.

Optional
Smartphone
Compatibility



DVH-SH Series Single-Zone Heat Pumps

UP TO 21.5 SEER2

Model	Specifications
DVH09SH-0	9,000 cool/10,000 heat; HP, 21.5 SEER2, 12.5 EER2, 9 HSPF2
DVH09SH-1	9,000 cool/9,000 heat; HP, 20.8 SEER2, 10.3 EER2, 8.7 HSPF2
DVH12SH-0	12,000 cool/12,000 heat; HP, 21.7 SEER2, 12.6 EER2, 9.1 HSPF2
DVH12SH-1	12,000 cool/12,000 heat; HP, 21.4 SEER2, 10.8 EER2, 9.1 HSPF2
DVH18SH-1	18,000 cool/18,000 heat; HP, 19 SEER2, 10.5 EER2, 8.7 HSPF2
DVH24SH-1	24,000 cool/24,000 heat; HP, 18 SEER2, 9 EER2, 8.6 HSPF2

Power Supply: 9K and 12K: 115V; 18K and 24K: 208/230V

Efficient, economical comfort with cooling, heating, fan only, sleep and dehumidification modes. Built with 24-hour timer, superior filtration and auto temperature compensation.

Ductless Mini-Split Systems

VMH-U UltraV Series—Multi Zone Mini-Splits

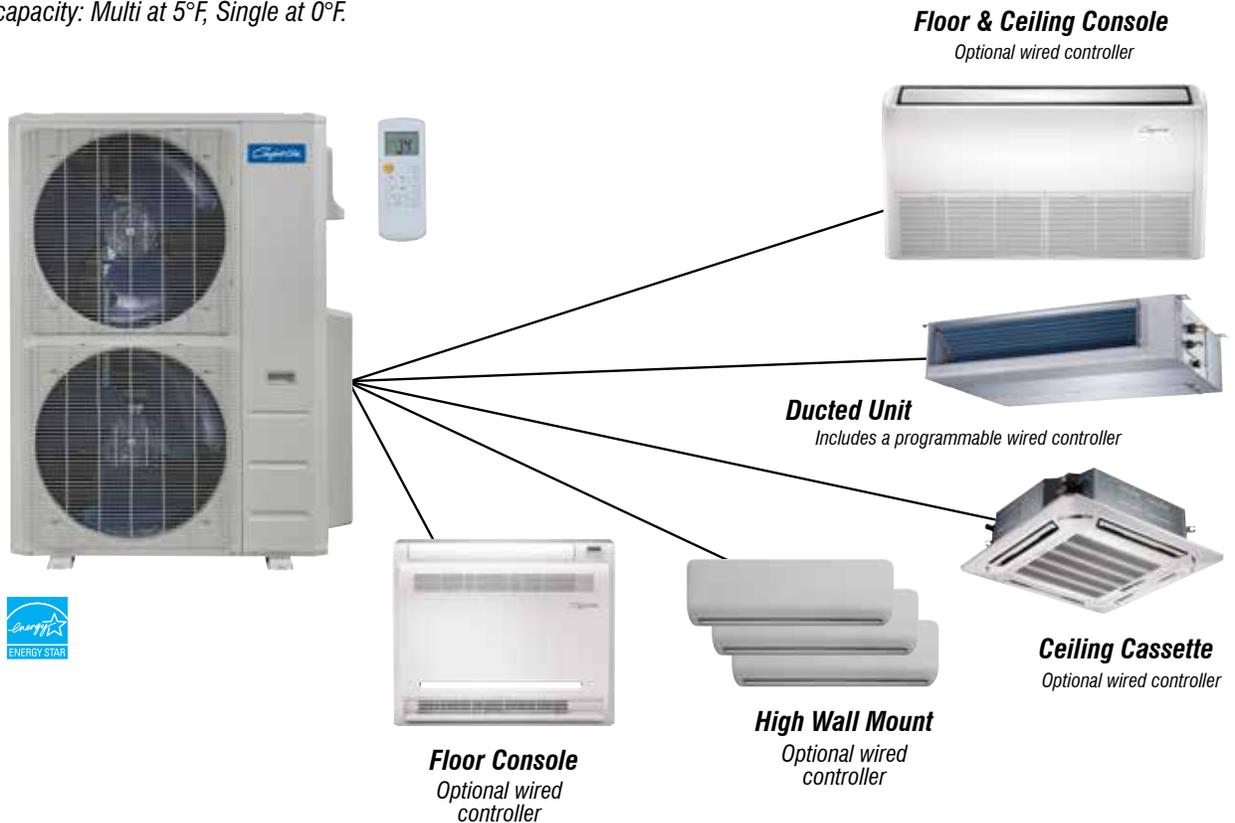
Our new UltraV Series features a wide operating range with higher capacities in low temperatures. This allows the unit to operate in the heating mode with 100% output even when the outdoor temperature is as low as 0°F. Advanced inverter technology means the room will reach the preset temperature quickly.

Energy usage is kept to a minimum as units run at low frequency most of the time. However, when required the unit ramps up automatically to reach and maintain the comfort level.

With this broad ambient range, these units are well suited to installations requiring year-round conditioning, both residential and light commercial.

All operate down to -22°F.

100% capacity: Multi at 5°F, Single at 0°F.



208/230-1-60

UP TO 25 SEER

Indoor Ceiling Cassette	Capacity BTUH per unit	Floor Mount Indoor Unit	Capacity BTUH per unit
B-VMH09CU-1*	9,000 cool, 9,000 heat, 600 max. CFM	B-VMH12FU-1*	12,000 cool, 12,000 heat, 365 max. CFM
		Ducted Unit	Capacity BTUH per unit
B-VMH12CU-1*	12,000 cool, 12,000 heat, 574 max. CFM	B-VMH09DU-1	9,000 cool, 9,000 heat, 353 max. CFM
B-VMH18CU-1*	18,000 cool, 18,000 heat, 956 max. CFM	B-VMH12DU-1	12,000 cool, 12,000 heat, 353 max. CFM
B-VMH24CV-1*	24,000 cool, 24,000 heat, 1,400 max. CFM	B-VMH18DU-1	18,000 cool, 18,000 heat, 530 max. CFM
Cover Panel for Indoor Ceiling Cassette	Dimensions/Weight	B-VMH24DU-1	24,000 cool, 24,000 heat, 776 max. CFM
C-VMH91218CU-1*	25.47" x 25.47" x 1.97", 5.51 net, 9.92 ship		
C-VMH24CV-1*	37.4" x 37.4" x 2.17", 11.02 net, 17.64 ship		
Floor/Ceiling Mount Indoor	Capacity BTUH per unit		
B-VMH18UU-1*	18,000 cool, 18,000 heat, 666 max. CFM		
B-VMH24UU-1*	24,000 cool, 24,000 heat, 880 max. CFM		

Outdoor units—Energy Star® compliant when combined with indoor units having an () by model number in above table

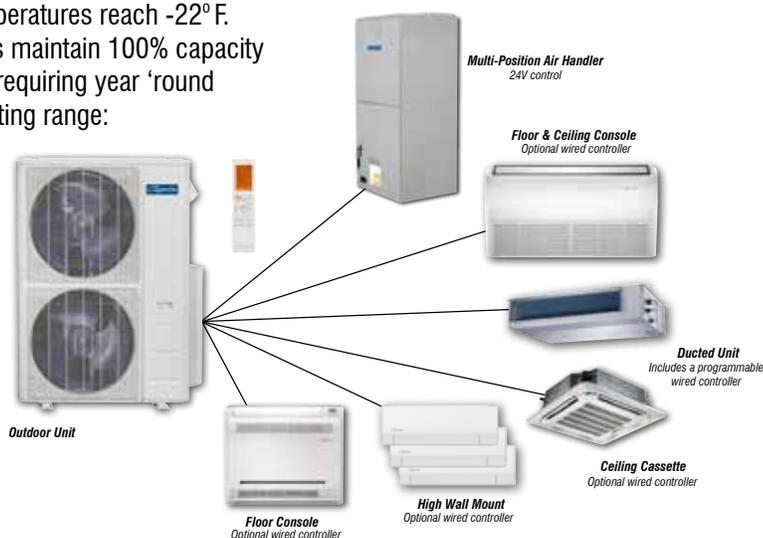
Ductless Mini-Split Systems

VMH-V UltraV Series / Multi Zone Mini-Splits

Our new UltraV Series will heat or cool when outdoor temperatures reach -22° F. Multi-zone units run at 100% capacity at 5° F. Single zones maintain 100% capacity at 0° F! This makes these units well suited to installations requiring year 'round conditioning, both residential and light commercial. Operating range:

Cooling -22° to 122° F
 Heating -22° to 86° F (48K: -13° to 86° F)

Advanced inverter technology means the room will reach the preset temperature quickly and that the temperature will be constant without the fluctuations that occur in other systems due to on-off cycling. Energy usage is kept to a minimum as units run at low frequency most of the time. However, when required the unit ramps up automatically to reach and maintain the comfort level.



208/230-1-60

UP TO 23 SEER2

Indoor Ceiling Cassette	Capacity BTUH per unit	Floor Mount Indoor Unit	Capacity BTUH per unit
B-VMH09CU-1*	9,000 cool, 9,000 heat, 600 max. CFM	B-VMH12FU-1*	12,000 cool, 12,000 heat, 365 max. CFM
B-VMH12CU-1*	12,000 cool, 12,000 heat, 574 max. CFM	Ducted Unit	Capacity BTUH per unit
B-VMH18CU-1*	18,000 cool, 18,000 heat, 956 max. CFM	B-VMH09DU-1	9,000 cool, 9,000 heat, 353 max. CFM
B-VMH24CV-1*	24,000 cool, 24,000 heat, 1,400 max. CFM	B-VMH12DU-1	12,000 cool, 12,000 heat, 353 max. CFM
Cover Panel for Indoor Ceiling Cassette	Dimensions/Weight	B-VMH18DU-1	18,000 cool, 18,000 heat, 530 max. CFM
		B-VMH24DU-1	24,000 cool, 24,000 heat, 776 max. CFM
C-VMH91218CU-1*	25.47" x 25.47" x 1.97", 5.51 net, 9.92 ship	Outdoor Unit	Capacity BTUH per unit
C-VMH24CV-1*	37.4" x 37.4" x 2.17", 11.02 net, 17.64 ship	A-VMH18DV-1	19,000 cool, 20,000 heat, 22 SEER2, 12.5 EER2, 9.8 HSPF2
Floor/Ceiling Mount Indoor	Capacity BTUH per unit	A-VMH28TV-1	28,000 cool, 28,000 heat, 23 SEER2, 12.5 EER2, 10.6 HSPF2
		A-VMH36QV-1	36,000 cool, 36,500 heat, 22.2 SEER2, 13.6 EER2, 10.3 HSPF2
B-VMH18UU-1*	18,000 cool, 18,000 heat, 666 max. CFM	A-VMH48PV-1	48,000 cool, 37,800 heat, 21.8 SEER2, 11.7 EER2, 9.8 HSPF2
B-VMH24UU-1*	24,000 cool, 24,000 heat, 880 max. CFM		

Outdoor units—Energy Star® compliant when combined with indoor units having an () by model number in above table

VMH-V UltraV Series Single Zone Mini-Splits

Super efficient heat pumps are rated up to 28.1 SEER2 and operate down to -22°F. 100% capacity at 0°F. Inverter technology saves up to 40% in energy consumption.



A- (outdoor)
 B- (indoor)

Includes wireless remote

208/230-1-60

UP TO 28.1 SEER2

Outdoor Model	Specifications
A-VMH06SV-1	6,000 cool, 9,000 heat, 26.5 SEER2, 15.8 EER2, 13.6 HSPF2
A-VMH09SV-1	9,000 cool, 12,000 heat, 28.1 SEER2, 16.2 EER2, 11.5 HSPF2
A-VMH12SV-1	12,000 cool, 11,800 heat, 25.5 SEER2, 14 EER2, 10.4 HSPF2
A-VMH18SV-1	17,000 cool, 20,270 heat, 21.5 SEER2, 12.5 EER2, 11.3 HSPF2
A-VMH24SV-1	24,000 cool, 19,800 heat, 21.5 SEER2, 13 EER2, 11.4 HSPF2
Indoor Model	Specifications
B-VMH06SV-1	6,000 cool, 6,000 heat, 318 max. CFM
B-VMH09SV-1	9,000 cool, 9,000 heat, 336 max. CFM
B-VMH12SV-1	12,000 cool, 12,000 heat, 336 max. CFM
B-VMH18SV-1	18,000 cool, 18,000 heat, 524 max. CFM
B-VMH24SV-1	24,000 cool, 24,000 heat, 612 max. CFM

Ductless Mini-Split Systems

VMH-V UltraV Series Air Handler

UP TO 23 SEER2

Model	Specifications
B-VMH18AV-1	18,000 cool/23,000 heat BTU, 23 SEER2, 12.5 EER2, 10.6 HSPF2, 208/230V
B-VMH24AV-1	19,000 cool/26,000 heat BTU, 208/230V

- *Aluminum-alloy traditional fin-and-tube coil construction for maximum durability and corrosion resistance*
- *Efficient and quiet ECM blower motor*
- *Accepts traditional 24VAC thermostats for convenience and advanced control options*
- *Optional electric resistance heat kits (up to 15kW) provides auxiliary heat source for comfort during the worst conditions*
- *Beautiful and durable gloss enameled-steel construction with insulated construction provides less than 2% cabinet leakage*
- *Built-in return filter rack for 20"x 20"x 1" Filter*



Auxiliary Heat Kits			
	Power of Electric Heater	1.5 ton / 18K	2 ton / 24K
Optional Electric Heater	ECD3KW	YES	
	ECD5KW	YES	YES
	ECD8KW	YES	YES
	ECD10KW	YES	YES
	ECD15KW		YES

VMH-SG Series *Large Chassis* Single-Zone Heat Pumps

UP TO 20 SEER2

Model	Specifications
VMH30SG-1	30,000 cool/19,000 heat BTU, 20 SEER2, 11.5 EER2, 9.2 HSPF2, 208/230V
VMH36SG-1	36,000 cool/22,000 heat BTU, 20 SEER2, 8.5 EER2, 8 HSPF2, 208/230V

Large capacity models are designed to condition spaces up to 1550 square feet. Super efficient heat pump mini-splits with variable speed compressors save up to 40% in energy consumption over standard models.

Ambient Operating Temperature:

5° - 122°F Cooling

5° - 86°F Heating

Includes wireless remote



Comfort-Aire®

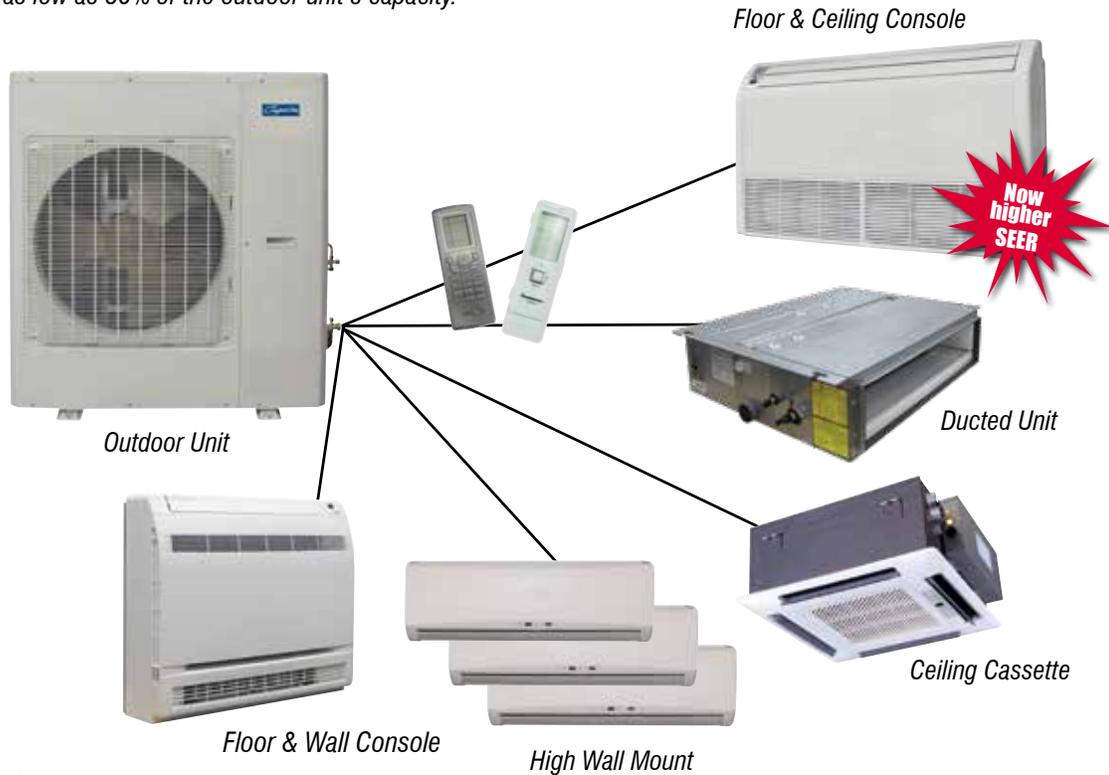
Ductless Mini-Split Systems

VFH - InverterFlex® Series Multi-Zone Heat Pumps

Cool and heat one to five separate rooms or areas, depending on the capacity of the outdoor unit. Each zone has an independently controlled air handler with remote; ceiling cassettes and ducted units also have a wired wall thermostat. Built with enhanced filtration, quiet operation, multiple modes, low ambient cooling and "Follow" function.

Mix 'n' match indoor units

May be sized up to 150% of outdoor unit capacity, but may not provide full capacity for all indoor units. Total capacity of all indoor units can be as low as 50% of the outdoor unit's capacity.



208/230-1-60

UP TO 21 SEER2

Outdoor Unit	System Capacity BTUH	Cooling/Heating	Ducted Unit	Capacity BTUH per unit
A-VFH18DC-1	18,000 cool, 19,000 heat, 21 SEER2, 12.5 EER2, 9 HSPF2		B-VFH09DA-1	8,500 cool, 9,500 heat, 265 max. CFM
A-VFH24TB-1	24,000 cool, 29,500 heat, 21 SEER2, 11.8 EER2, 9 HSPF2		B-VFH12DA-1	11,900 cool, 13,100 heat, 324 max. CFM
A-VFH30QB-1	29,000 cool, 32,000 heat, 20 SEER2, 11.8 EER2, 8.6 HSPF2		B-VFH18DA-1	15,300 cool, 18,700 heat, 412 max. CFM
A-VFH36QB-1	34,000 cool, 41,000 heat, 21 SEER2, 11.8 EER2, 8.6 HSPF2		B-VFH21DA-1	20,400 cool, 22,600 heat, 588 max. CFM
A-VFH42PB-1	39,000 cool, 45,000 heat, 21 SEER2, 10.4 EER2, 8.6 HSPF2		B-VFH24DA-1	22,800 cool, 27,400 heat, 588 max. CFM
High Wall Mount Indoor	Capacity BTUH per unit		Floor/Wall Console Indoor	Capacity BTUH per unit
B-VFH09MC-1A	9,000 cool, 9,800 heat, 430 max. CFM		B-VFH09FA-1	9,000 cool, 9,500 heat, 383 max. CFM
B-VFH12MC-1A	12,000 cool, 13,000 heat, 453 max. CFM		B-VFH12FA-1	12,000 cool, 13,000 heat, 441 max. CFM
B-VFH18MC-1	18,000 cool, 19,000 heat, 588 max. CFM		B-VFH18FA-1	18,000 cool, 19,000 heat, 494 max. CFM
B-VFH24MB-1	20,800 cool, 21,500 heat, 736 max. CFM			
Indoor Ceiling Cassette	Capacity BTUH per unit		Floor/Ceiling Indoor Unit	Capacity BTUH per unit
B-VFH12CA-1	12,000 cool, 13,000 heat, 353 max. CFM		B-VFH09UA-1	8,500 cool, 9,500 heat, 383 max. CFM
B-VFH18CB-1	14,400 cool, 16,000 heat, 353 max. CFM		B-VFH12UA-1	11,900 cool, 13,100 heat, 383 max. CFM
B-VFH24CA-1	22,800 cool, 27,400 heat, 694 max. CFM		B-VFH18UA-1	17,000 cool, 18,700 heat, 559 max. CFM
Front Panels	C-VFH1218CB-12K & 18K; C-VFH24CA-24K		B-VFH24UA-1	22,800 cool, 27,400 heat, 736 max. CFM

26" PTAC

Cooling only, electric heat and heat pump models provide year-round comfort, room by room; for hotels, motels, apartments, office buildings, schools, nursing homes and more. Design for quick installation in most 16" x 26" wall sleeves. Attractive appearance with state-of-the-art technology, these units minimize energy usage while ensuring guest comfort.

- **Energy-Efficient**—High energy efficiency ratios (EERs) save on utility costs
- **Quiet Operation**—Indoor sound reduction is achieved through the unit's two permanently lubricated fan motors
- **Fresh Air Control Plate**—Allows outdoor air into room through filtered vent, 23 CFM
- **Easy to Service**—On-board computer diagnostics help prolong the life of the unit and simplify service; LED indicator flashes error codes

9,000 to 12,000 BTUH

Dimensions:

26" W x 15.6" H x 21.2" D (without sleeve)

Electric Heat and Heat Pump Feature 3.5 kW Heater

7602-800F—Wall Sleeve, SnapEase, Steel, 26"

7602-801F—Stamped Grille, Aluminum, 26"

7602-805F—Architectural Grille, Aluminum, 26", Color-Clear

7602-806—Thermostat Adapter



B = R410A Refrigerant
C = R32 Refrigerant

FEATURE	COOLING ONLY		COOLING ONLY		COOLING ONLY WITH ELECTRIC HEAT		COOLING ONLY WITH ELECTRIC HEAT		HEAT PUMP WITH ELECTRIC HEAT		HEAT PUMP WITH ELECTRIC HEAT	
	PTTC09B-1	PTTC12B-1	PTTC09C-1	PTTC12C-1	PTTE09B-1	PTTE12B-1	PTTE09C-1	PTTE12C-1	PTTH09B-1	PTTH12B-1	PTTH09C-1	PTTH12C-1
Cooling BTUH	9100/9300	11800/12000	9,200/9,400	12,200/12,600	9100/9300	11800/12000	9,200/9,400	12,200/12,600	9100/9300	11500/11700	9,100/9,300	11,800/12,000
EER	9.8/9.8	9.8/9.8	10.2/10.0	9.8/9.8	9.8/9.8	9.8/9.8	10.2/10.0	9.8/9.8	9.7/9.7	9.6/9.6	9.8/9.8	9.5/9.5
Cooling Amps	4.7/4.3	6.1/5.7	4.1/4.1	6.1/5.7	4.7/4.3	6.1/5.7	4.4/4.1	6.1/5.7	4.8/4.4	6.1/5.6	4.8/4.4	6.1/5.6
Max. Current Amps	6.1	15.2	6.3	8.3	15.2	15.2	6.3	8.3	15.2	15.2	6.3	8.3
Cooling Watts	930/950	930/950	900/940	1,250/1,290	940/960	1200/1220	900/940	1,250/1,290	1200/1220	1200/1220	930/950	1,240/1,260
Heat Pump BTUH	/	/	/	/	/	/	/	/	8600/8800	11200/11400	8,400/8,600	10,800/11,100
C.O.P. @ 47°F	/	/	/	/	/	/	/	/	10.2/10.2	9.9/9.9	10.3/10.3	9.5/9.5
Heat Pump Amps	/	/	/	/	/	/	/	/	4.3/4.0	5.9/5.4	4.3/4.0	5.9/5.4
Electric Heat Amps	/	/	/	/	14/15.2	14/15.2	14.2/15.7	14.2/15.7	14/15.2	14/15.2	14.2/15.7	14.2/15.7
Electric Heating Watts	/	/	/	/	2900/3500	2900/3500	2,950/3,600	2,950/3,600	2900/3500	2900/3500	2,950/3,600	2,950/3,600
Power Cord	LCDI 15 amp	LCDI 15 amp	LCDI-15A	LCDI-15A	LCDI 20 amp	LCDI 20 amp	LCDI-20A	LCDI-20A	LCDI 20 amp	LCDI 20 amp	LCDI-20A	LCDI-20A
Dehum. Pts/Hr	2.32	3.49	2.32	3.49	2.32	3.49	2.32	3.49	2.32	3.49	3.49	3.49
Airflow CFM	282/259/235	282/259/235	235/259/282	235/259/282	271/247/224	271/247/224	224/247/271	224/247/271	271/247/224	271/247/224	224/247/271	224/247/271
Indoor Sound Max. dB(A)	69/67/65	69/67/65	55/57/59	55/57/59	69/67/65	69/67/65	55/57/59	55/57/59	69/67/65	69/67/65	55/57/59	55/57/59
Out. Sound Max dB(A)	79/79/79	79/79/79	66	66	79/79/79	79/79/79	66	66	79/79/79	79/79/79	66	66
Net Wt./Shipping Wt. (lbs)	70.5/84	78/92	71.7/79.4	80.5/88.2	73/86	81/94	73.9/80.5	81.6/89.3	83/96	86/99	80.5/88.2	86/93.7

PTACs—A/C and Heat Pump

- **Condensate Dispersal System**—“Slinger” system throws condensation onto the condenser coil for evaporation
- **Electronic Thermostat Control**—LED display makes it easy to select set point
- **Modes**—Cool, fan only and auto; heat pump models alternate between reverse cycle heat mode and electric heat mode
- **Compressor Restart Time Delay**—Prevents short cycling of the compressor
- **Freeze Protection**—Automatically activated when needed to keep the evaporator from freezing
- **Memory**—Restarts operation in the mode that was operating when power was lost
- **Fits Most Wall Sleeves**—Matching wall sleeve and grille available as optional accessories
- **Electric Heat**—Designed for supplemental heating only, automatically switches to electric heat when the temperature reaches 44° F or below

Some series available in Sea Coast coating, see brochure CA-42PT-G_SPEC.



**7,000 to
15,000 BTUH**

**Dimensions:
42" W x 16¹/₁₆" H x 21¹/₁₆" D**

**Electric Heat Standard—
3 kW on 7K & 9K, 3 or 5 kW on 12K & 15K**



- 7602-501F**—Stamped grille
- 7602-505F**—Architectural grille aluminum color- clear
- 7602-500F**—Wall Sleeve, insulated, knock-down: saves room, easily assembled

208/230V COOLING ONLY WITH ELECTRIC HEAT

FEATURE	PTAC07G130A	PTAC09G130A	PTAC12G130A	PTAC12G150A	PTAC15G130A	PTAC15G150A
Cooling BTUH	7,000/7,200	9,100/9,300	11,800/12,000	11,800/12,000	14,300/14,500	14,300/14,500
EER	12.0/12.0	11.6/11.6	10.8/10.8	10.8/10.8	10.0/10.0	10.0/10.0
Cooling Amps	2.8/2.7	3.9/3.6	5.3/4.9	5.3/4.9	7.0/6.4	7.0/6.4
Max. Current Amps	3.6	5.2	7.7	7.7	11.0	11.0
Cooling Watts	580/600	785/800	1,090/1,110	1,090/1,110	1,430/1,450	1,430/1,450
Electric Heater kW @ 208/230	2,500/3,050	2,500/3,050	2,500/3,050	4,135/5,050	2,500/3,050	4,135/5,050
Elec. Heat BTUH @ 230V	8,300/10,200	8,300/10,200	8,300/10,200	13,900/17,000	8,300/10,200	13,900/17,000
Dehum. Pts/Hr	0.36/0.30	1.69/1.37	2.56/2.32	2.56/2.32	4.44/4.29	4.44/4.29
Power Cord	LCDI-20A	LCDI-20A	LCDI-20A	LCDI-30A	LCDI-20A	LCDI-30A
Airflow CFM	365/424	365/424	412/471	412/471	412/471	412/471
Indoor Sound Max dB(A)	39/48	39/48	46/52	46/52	48/51	48/51
Out. Sound Max dB(A)	66	66	66	66	66	66
Net Wt./Shipping Wt.	91.50/102.52	93.70/104.72	105.82/116.85	105.82/116.85	95.90/117.95	95.90/117.95

208/230V HEAT PUMP WITH ELECTRIC HEAT

FEATURE	PTHP07G130A	PTHP09G130A	PTHP12G130A	PTHP12G150A	PTHP15G130A	PTHP15G150A
Cooling BTUH	6,800/7,200	9,000/9,200	11,800/12,000	11,800/12,000	14,300/14,500	14,300/14,500
EER	11.9/11.9	11.4/11.4	10.6/10.6	10.6/10.6	10.0/10.0	10.0/10.0
Cooling Amps	2.8/2.7	3.9/3.6	5.3/4.9	5.3/4.9	7.0/6.4	7.0/6.4
Max. Current Amps	3.6	5.2	8.0	8.0	11.0	11.0
Cooling Watts	570/605	790/805	1,110/1,130	1,110/1,130	1,430/1,450	1,430/1,450
Heat Pump BTUH	5,800/6,000	7,800/8,000	10,200/10,400	10,200/10,400	13,200/13,600	13,200/13,600
C.O.P. @ 47°F	3.5/3.5	3.4/3.4	3.4/3.4	3.4/3.4	3.2/3.2	3.2/3.2
Heating Amps	2.5/2.3	3.2/3.0	4.3/3.9	4.3/3.9	6.0/5.5	6.0/5.5
Heating Watts	485/500	670/690	880/895	880/895	1210/1245	1210/1245
Electric Heater kW @ 208/230	2,500/3,050	2,500/3,050	2,500/3,050	4,135/5,050	2,500/3,050	4,135/5,050
Elec. Heat BTUH @ 230V	8,300/10,200	8,300/10,200	8,300/10,200	13,900/17,000	8,300/10,200	13,900/17,000
Power Cord	LCDI-20A	LCDI-20A	LCDI-20A	LCDI-30A	LCDI-20A	LCDI-30A
Dehum. Pts/Hr	0.36/0.30	1.69/1.37	2.56/2.32	2.56/2.32	4.44/4.29	4.44/4.29
Airflow CFM	365/424	365/421	412/471	412/471	412/471	412/471
Indoor Sound Max. dB(A)	39/48	39/48	46/52	46/52	48/51	48/51
Out. Sound Max dB(A)	66	66	66	66	66	66
Net Wt./Shipping Wt.	92.59/103.62	94.80/105.82	95.90/117.95	95.90/117.95	108.03/119.05	108.03/119.05



The Quality Leader in Conditioning Air

There's the confidence that comes from dealing with a company that's been around for generations. Founded in 1933, we can actually trace our beginnings to the Wingert Furnace Company which began building coal, gas and oil furnaces in 1907. Headquartered in Jackson, Michigan, since 1955, our facility, our staff and our product offerings have grown over the years to meet changes in the HVAC industry, including emerging technologies and regulatory requirements.

MARS is known throughout the industry for efficient, reliable products and in-season availability. Whether for heating or cooling, these products meet or exceed industry standards for energy efficiency. Added to that, the line is constantly being updated to add the features and new technology customers demand.

REST ASSURED: VALUE-ADDED PROGRAMS

We have a well-deserved reputation not only for quality products, but also for standing behind those products with excellent warranty and support programs. Comfort-Aire backs all its products with some of the strongest warranties in the industry. For details see the warranty card packed with the unit, or refer to our web site for copies of warranty details. Our products are built to exacting standards, but should you experience a problem, you can rely on our nationwide network of service providers. Our room air products are accompanied by detailed, comprehensive installation and operating manuals and these, along with other technical data, are also available on our website.



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.

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.

"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."