



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

**FEATURES**

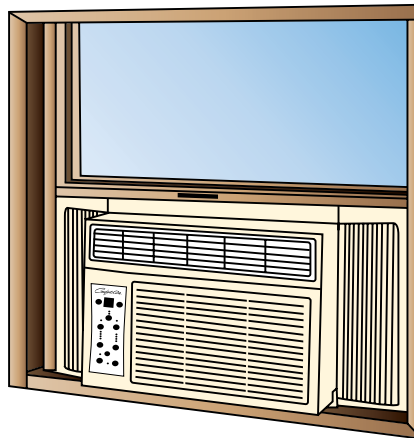
- Electronic controls with full feature remote, 24-hour on/off timer
- Energy saver mode, auto restart
- Four-way adjustable air direction
- One degree temperature adjustment
- Designed for supplemental electric heat only, thermostat cycles heating element on and off

**SPECIFICATIONS**

Cooling Capacity BTUH	24,700/25,000
Approx. Sq. Ft. Cooling	1400-1500
EER/CEER	9.4/9.4
Heating Capacity BTUH (electric)	13,000/16,000
Power Supply	208/230V 60Hz
Humidity Removal Pts/Hr	5.71
Ventilation Control	Yes
Fan Only	Yes
Fan Speeds Cool/Heat/Fan	3/3/3
Air Delivery Max. CFM	523
dB Level (hi/med/low)	63/61/58
Amps Cooling	12.4/11.3
Amps Heating	22.5/20.0
Maximum Fuse Size	30A
Power Cord	30A Tandem NEMA 6-30P
Slide-Out Chassis	Yes
Window Mounting Kit	Yes
Remote Control	Yes
In-Home Service	Yes
Shipping Weight (lbs.)	147
Dimensions (in.)	
Height	18 <sup>5</sup> / <sub>8</sub>
Width	26 <sup>1</sup> / <sub>2</sub>
Depth	26 <sup>1</sup> / <sub>2</sub>

When you look at your window-mount air conditioner, you will see louvers on the sides and/or top. These are designed to bring in fresh air that is then directed across the coils inside the unit. It is important that the air conditioner be correctly installed, especially leaving the side louvers and back grille unobstructed.

The chart on the last pages of this catalog shows the maximum thickness of the wall through which the air conditioner should be installed. These widths assure that the side or top louvers will be unobstructed so that adequate fresh air is available for heat transfer to occur.



**Double Hung Window**

Each carton shows the minimum and maximum size of the window in which that specific unit will fit.

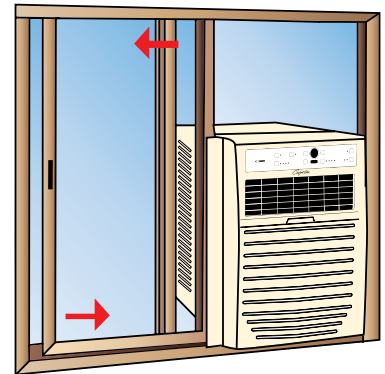
Measure the width of the window opening and the maximum height when the window is open to determine if the unit you've chosen will fit the available window, in addition to checking the wall thickness.

Window-mount air conditioners come with adjustable side panels that slide open to completely fill the window opening; allow 3 to 4 inches of width for the accordion-type side panels to open. The window sash closes onto the bracket located on the top of the air conditioner.

**IMPORTANT:** Because so much of the weight of the air conditioner is on the outside, it is necessary to have a support bracket installed for safety. See page 6 for details on our two sizes of support brackets.

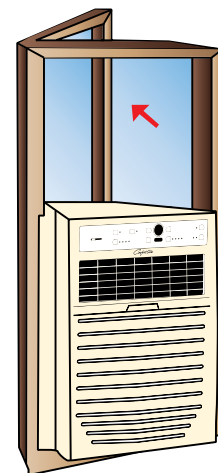
**Casement/Slider Windows**

These windows which slide open to the side or open outward require a different type of window air conditioner. Our CD models are ideal for casement or slider windows. The window can close onto the sides of the unit, and a support platform is included. A plastic window filler panel is included with the unit—it can be cut to size and fits into an adjustable window panel frame. For a casement window, the window crank must be removed.



**Slider Window**

Filler panel fits into frame that is installed above the unit.



**Casement Window**

Window opens outward or the exterior pane may be removed. Crank mechanism is removed.

**Always follow the installation instructions included with the unit.**

# Specifications

## POWER CORD Configurations



15 AMP 115V  
PARALLEL  
**A**  
5-15P



15 AMP 230V  
TANDEM  
**B**  
6-15P



20 AMP 230V  
TEE  
**C**  
6-20P



30 AMP 230V  
TANDEM  
**D**  
6-30P

## 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](http://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 BTU/Hr	Approx. Sq. Ft. Cooling	EER/CEER	Heating Capacity BTUH (electric)	Electric (Volts)	Humidity Removal Pints/Hr	Remote Control
<b>COOLING 5,000 to 10,000 BTUH</b>							
RG-51M	5,000	100-150	11.1/11.0	N/A	115	1.27	No
RADS-51P*	5,000	100-150	12.2/12.1	N/A	115	1.27	Yes
RADS-61P*	6,000	150-250	12.2/12.1	N/A	115	1.48	Yes
RADS-81P*	8,000	300-350	12.0/12.0	N/A	115	2.11	Yes
RADS-101P*	10,000	400-450	12.0/12.0	N/A	115	2.32	Yes
<b>COOLING 12,000 to 36,600 BTUH</b>							
RADS-121P*	12,000	450-550	12.0/12.0	N/A	115	2.54	Yes
RADS-123M	11,700/12,000	450-550	11.11.2	N/A	208/230	2.54	Yes
RADS-151P*	15,100	550-700	12.0/12.0	N/A	115	3.17	Yes
RADS-183P*	17,700/18,000	700-1000	11.8/11.8	N/A	208/230	3.80	Yes
RADS-253P*	24,700/25,000	1400-1500	10.3/10.3	N/A	208/230	5.71	Yes
RAD-283M	28,000/28,500	1500-2000	9.0	N/A	208/230	6.34	Yes
<b>COOLING WITH ELECTRIC HEAT</b>							
REG-81M	8,000	300-350	10.9/10.9	3,500	115	1.48	Yes
REG-123M	11,600/12,000	450-550	10.9/10.9	8,500/11,000	208/230	2.54	Yes
REG-183M	18,200/18,500	700-1000	10.7/10.7	13,000/16,000	208/230	3.80	Yes
REG-253M	24,700/25,000	1400-1500	9.4/9.4	13,000/16,000	208/230	5.71	Yes
<b>THRU-THE-WALL SERIES</b>							
BG-81P*	8,000	300-350	10.6/10.6	N/A	115	2.11	Yes
BG-101P*	10,000	400-450	10.6/10.6	N/A	115	2.32	Yes
BG-103P*	9,800/10,000	400-450	10.6/10.6	N/A	208/230	2.32	Yes
BG-121P*	12,000	450-550	10.5/10.5	N/A	115	2.54	Yes
BG-123P*	11,700/12,000	450-550	10.5/10.5	N/A	208/230	2.54	Yes
BG-143M	13,600/14,000	550-700	9.3/9.3	N/A	208/230	2.96	Yes
BGE-103M	9,800/10,000	400-450	9.6/9.6	8,600/10,600	208/230	2.32	Yes
BGE-123M	11,700/12,000	450-550	9.5/9.5	8,600/10,600	208/230	2.54	Yes
BGE-143M	13,600/14,000	550-700	9.3	8,600/10,600	208/230	2.96	Yes
<b>HEAT PUMPS</b>							
RAH-123M	11,200/11,600	450-550	9.9	9,900/10,200**	208/230	3.17	Yes
RAH-183M	17,000/17,300	700-1000	9.9	14,000/14,300**	208/230	4.65	Yes
<b>CASEMENT SERIES</b>							
CD-81M	8,000	300-350	10.9/10.8	N/A	115	1.9	Yes
CD-101M	10,000	400-450	10.4/10.4	N/A	115	2.32	Yes
<b>PORTABLE A/C</b>							
PS-81B	8,000	300-350	8.9	N/A	115	2.32	Yes
PS-101B	10,000	400-450	9.0	N/A	115	2.74	Yes
PS-121B	12,000	450-550	8.9	N/A	115	3.38	Yes
PSH-141A	14,000	550-700	8.9	N/A	115	2.96	Yes

\*Energy Star® rated

\*\*Heat pump capacity

Model Number	Ventilation Control	Fan Only Speeds	Air Delivery Max. CFM	Fan Motor Speeds	Amps Cooling	Amps Heating	dB Level (hi/med/low)	Maximum 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)
<b>COOLING 5,000 to 10,000 BTUH</b>														
RG-51M	No	2	136	2	4.0	N/A	55/51	15	No	Yes	A	3 <sup>5</sup> / <sub>16</sub>	45	12 x 16 x 15 <sup>7</sup> / <sub>16</sub>
RADS-51P*	No	3	140	3	3.8	N/A	56/53/51	15	No	Yes	A	3 <sup>5</sup> / <sub>16</sub>	47	12 x 16 x 15 <sup>7</sup> / <sub>16</sub>
RADS-61P*	No	3	147	3	4.5	N/A	56/54/52	15	No	Yes	A	5	52	13 <sup>7</sup> / <sub>16</sub> x 18 <sup>1</sup> / <sub>2</sub> x 15 <sup>3</sup> / <sub>4</sub>
RADS-81P*	No	3	224	3	5.9	N/A	60/59/56	15	No	Yes	A	5	58	13 <sup>7</sup> / <sub>16</sub> x 18 <sup>1</sup> / <sub>2</sub> x 15 <sup>3</sup> / <sub>4</sub>
RADS-101P*	Yes	3	285	3	7.5	N/A	60/58/51	15	No	Yes	A	7 <sup>5</sup> / <sub>16</sub>	70.6	14 <sup>5</sup> / <sub>8</sub> x 19 x 21 <sup>1</sup> / <sub>2</sub>
<b>COOLING 12,000 to 36,600 BTUH</b>														
RADS-121P*	Yes	3	300	3	8.7	N/A	61/57/54	15	No	Yes	A	7 <sup>5</sup> / <sub>16</sub>	78.5	14 <sup>5</sup> / <sub>8</sub> x 19 x 21 <sup>1</sup> / <sub>2</sub>
RADS-123M	Yes	3	288	3	5.1/4.7	N/A	60/58/55	15	No	Yes	B	7 <sup>5</sup> / <sub>16</sub>	77	14 <sup>5</sup> / <sub>8</sub> x 19 x 21 <sup>1</sup> / <sub>2</sub>
RADS-151P*	Yes	3	353	3	11.5	N/A	56/54/53	15	Yes	Yes	A	8	118	17 <sup>15</sup> / <sub>16</sub> x 23 <sup>5</sup> / <sub>8</sub> x 25 <sup>7</sup> / <sub>16</sub>
RADS-183P*	Yes	3	360	3	7.5/7.0	N/A	60/57/54	15	Yes	Yes	B	8	129	17 <sup>15</sup> / <sub>16</sub> x 23 <sup>5</sup> / <sub>8</sub> x 25 <sup>7</sup> / <sub>16</sub>
RADS-253P*	Yes	3	523	3	11.8/10.8	N/A	63/62/62	20	Yes	Yes	C	10	151	18 <sup>5</sup> / <sub>8</sub> x 26 <sup>1</sup> / <sub>2</sub> x 26 <sup>1</sup> / <sub>2</sub>
RAD-283M	Yes	3	523	3	15.0/13.8	N/A	63/61/58	30	Yes	Yes	D	10	156	18 <sup>5</sup> / <sub>8</sub> x 26 <sup>1</sup> / <sub>2</sub> x 26 <sup>1</sup> / <sub>2</sub>
<b>COOLING WITH ELECTRIC HEAT</b>														
REG-81M	No	3	277	3	6.3	11.6	58/55/52	15	Yes	Yes	A	6 <sup>1</sup> / <sub>8</sub>	82	16 <sup>1</sup> / <sub>8</sub> x 22 <sup>5</sup> / <sub>8</sub> x 23
REG-123M	No	3	279	3	5.2/5.0	16.0/14.5	61/58/55	20	Yes	Yes	C	6 <sup>1</sup> / <sub>8</sub>	93	16 <sup>1</sup> / <sub>8</sub> x 22 <sup>5</sup> / <sub>8</sub> x 23
REG-183M	Yes	3	446	3	8.3/7.7	22.0/20.0	60/57/54	30	Yes	Yes	D	8	131	17 <sup>15</sup> / <sub>16</sub> x 23 <sup>5</sup> / <sub>8</sub> x 25 <sup>7</sup> / <sub>16</sub>
REG-253M	Yes	3	523	3	12.4/11.3	22.5/20.0	63/61/58	30	Yes	Yes	D	10	147	18 <sup>5</sup> / <sub>8</sub> x 26 <sup>1</sup> / <sub>2</sub> x 26 <sup>1</sup> / <sub>2</sub>
<b>THRU-THE-WALL SERIES</b>														
BG-81P*	No	3	270	3	7.0	N/A	57/54/52	15	No	Yes <sup>▲</sup>	A	18	76	14 <sup>1</sup> / <sub>2</sub> x 24 <sup>1</sup> / <sub>4</sub> x 20 <sup>5</sup> / <sub>16</sub>
BG-101P*	No	3	269	3	8.3	N/A	57/55/53	15	No	Yes <sup>▲</sup>	A	18	80	14 <sup>1</sup> / <sub>2</sub> x 24 <sup>1</sup> / <sub>4</sub> x 20 <sup>5</sup> / <sub>16</sub>
BG-103P*	No	3	275	3	4.8/4.5	N/A	58/56/54	15	No	Yes <sup>▲</sup>	B	18	80	14 <sup>1</sup> / <sub>2</sub> x 24 <sup>1</sup> / <sub>4</sub> x 20 <sup>5</sup> / <sub>16</sub>
BG-121P*	No	3	286	3	10.0	N/A	61/59/57	15	No	Yes <sup>▲</sup>	A	18	87	14 <sup>1</sup> / <sub>2</sub> x 24 <sup>1</sup> / <sub>4</sub> x 20 <sup>5</sup> / <sub>16</sub>
BG-123P*	No	3	286	3	5.6/5.2	N/A	61/59/57	15	No	Yes <sup>▲</sup>	B	18	89	14 <sup>1</sup> / <sub>2</sub> x 24 <sup>1</sup> / <sub>4</sub> x 20 <sup>5</sup> / <sub>16</sub>
BG-143M	No	3	296	3	7.5/6.9	N/A	61/60/59	15	No	Yes <sup>▲</sup>	B	18	89	14 <sup>1</sup> / <sub>2</sub> x 24 <sup>1</sup> / <sub>4</sub> x 20 <sup>5</sup> / <sub>16</sub>
BGE-103M	No	3	269	3	5.4/5.0	15.0/13.5	57/55/53	20	No	Yes <sup>▲</sup>	C	18	85	14 <sup>1</sup> / <sub>2</sub> x 24 <sup>1</sup> / <sub>4</sub> x 20 <sup>5</sup> / <sub>16</sub>
BGE-123M	No	3	286	3	5.9/5.5	15.0/13.5	61/59/57	20	No	Yes <sup>▲</sup>	C	18	89	14 <sup>1</sup> / <sub>2</sub> x 24 <sup>1</sup> / <sub>4</sub> x 20 <sup>5</sup> / <sub>16</sub>
BGE-143M	No	3	296	3	7.5/6.9	15.0/13.5	61/60/59	20	No	Yes <sup>▲</sup>	C	18	89	14 <sup>1</sup> / <sub>2</sub> x 24 <sup>1</sup> / <sub>4</sub> x 20 <sup>5</sup> / <sub>16</sub>
<b>HEAT PUMPS</b>														
RAH-123M	No	3	265	3	5.3/5.1	5.6/5.1	72/70/68	20	Yes	Yes	C	6 <sup>1</sup> / <sub>8</sub>	110	16 <sup>1</sup> / <sub>8</sub> x 23 x 22 <sup>5</sup> / <sub>8</sub>
RAH-183M	Yes	3	541	3	7.8/7.3	8.8/8.3	72/70/68	20	Yes	Yes	C	10	159	18 <sup>5</sup> / <sub>8</sub> x 26 <sup>1</sup> / <sub>2</sub> x 26 <sup>1</sup> / <sub>2</sub>
<b>CASEMENT SERIES</b>														
CD-81M	Yes	3	264	3	6.6	N/A	54/51/48	15	No	Yes	A	8 <sup>1</sup> / <sub>2</sub>	82	20 <sup>15</sup> / <sub>16</sub> x 14 <sup>5</sup> / <sub>8</sub> x 23 <sup>1</sup> / <sub>2</sub>
CD-101M	Yes	3	323	3	8.5	N/A	61/58/56	15	No	Yes	A	8 <sup>1</sup> / <sub>2</sub>	85	20 <sup>15</sup> / <sub>16</sub> x 14 <sup>5</sup> / <sub>8</sub> x 23 <sup>1</sup> / <sub>2</sub>
<b>PORTABLE A/C</b>														
PS-81B	Yes	2	209	2	8.0	N/A	56/52	15	N/A	Yes	A	N/A	59.5	27 <sup>11</sup> / <sub>16</sub> x 13 <sup>5</sup> / <sub>8</sub> x 14
PS-101B	Yes	2	206	2	9.8	N/A	55/51	15	N/A	Yes	A	N/A	62	27 <sup>11</sup> / <sub>16</sub> x 13 <sup>5</sup> / <sub>8</sub> x 14
PS-121B	Yes	3	292	3	11.8	N/A	51/49/47	15	N/A	Yes	A	N/A	78	30 <sup>1</sup> / <sub>8</sub> x 18 <sup>5</sup> / <sub>16</sub> x 15 <sup>5</sup> / <sub>8</sub>
PSH-141A	Yes	3	297	3	13.8	10.8	55/54/53	15	N/A	Yes	A	N/A	83	34 <sup>5</sup> / <sub>8</sub> x 14 <sup>5</sup> / <sub>16</sub> x 17 <sup>7</sup> / <sub>16</sub>

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