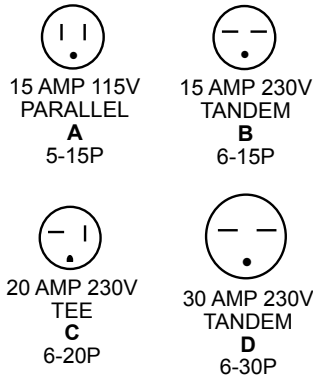


# Specifications

## POWER CORD 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](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-51L*	5,000	100-150	11.2	N/A	115	1.27	Yes
RAD-61L	6,000	150-250	9.7	N/A	115	1.48	Yes
RADS-61M*	6,000	150-250	11.2/11.0	N/A	115	1.48	Yes
RAD-81L	8,000	300-350	9.8	N/A	115	1.90	Yes
RADS-81M*	8,000	300-350	11.3/11.2	N/A	115	1.90	Yes
RADS-101M*	10,000	400-450	11.3/11.3	N/A	115	2.32	Yes
<b>COOLING 12,000 to 36,600 BTUH</b>							
RAD-121L	12,000	450-550	9.8	N/A	115	2.54	Yes
RADS-121M*	12,000	450-550	11.3/11.2	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-151M*	15,000	600-700	11.2/11.1	N/A	115	3.17	Yes
RADS-183M*	18,200/18,500	700-1000	11.2/11.2	N/A	208/230	3.80	Yes
RADS-223L*	21,700/22,000	1000-1300	9.8	N/A	208/230	4.86	Yes
RADS-253M*	24,700/25,000	1400-1500	9.8/9.8	N/A	208/230	5.71	Yes
RAD-283L	28,000/28,500	1500-1700	8.5	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-183L-20A	18,200/18,500	700-1000	9.7	9,100/11,200	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-81M*	8,000	300-350	9.8/9.7	N/A	115	1.90	Yes
BG-101L*	10,000	400-450	9.8	N/A	115	2.32	Yes
BG-103L*	9,800/10,000	400-450	9.8	N/A	208/230	2.32	Yes
BG-121M*	12,000	450-550	9.8/9.7	N/A	115	2.54	Yes
BG-123L*	11,700/12,000	450-550	9.8	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-143L	13,600/14,000	550-700	8.5	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
CD-121L	12,000	450-550	9.5	N/A	115	2.54	Yes
<b>PORTABLE A/C</b>							
PS-81A	8,100	300-350	8.9	N/A	115	1.90	Yes
PS-101A	10,000	400-450	8.9	N/A	115	1.90	Yes
PS-121A	12,000	450-550	8.9	N/A	115	2.54	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-51L*	No	3	129	3	3.88	N/A	55/52/49	15	No	Yes	A	3 <sup>5</sup> / <sub>16</sub>	45	12 x 16 x 15 <sup>7</sup> / <sub>16</sub>
RAD-61L	No	3	129	3	5.4	N/A	55/52/49	15	No	Yes	A	3 <sup>5</sup> / <sub>16</sub>	43	12 x 16 x 15 <sup>7</sup> / <sub>16</sub>
RADS-61M*	No	3	148	3	5.0	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>
RAD-81L	No	3	194	3	7.4	N/A	59/56/52	15	No	Yes	A	5	54	13 <sup>7</sup> / <sub>16</sub> x 18 <sup>1</sup> / <sub>2</sub> x 15 <sup>3</sup> / <sub>4</sub>
RADS-81M*	No	3	214	3	6.2	N/A	59/56/52	15	No	Yes	A	5	55	13 <sup>7</sup> / <sub>16</sub> x 18 <sup>1</sup> / <sub>2</sub> x 15 <sup>3</sup> / <sub>4</sub>
RADS-101M*	Yes	3	285	3	7.8	N/A	59/55/53	15	No	Yes	A	7 <sup>5</sup> / <sub>16</sub>	69	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>														
RAD-121L	Yes	3	288	3	11.0	N/A	61/57/54	15	No	Yes	A	7 <sup>5</sup> / <sub>16</sub>	73	14 <sup>5</sup> / <sub>8</sub> x 19 x 21 <sup>1</sup> / <sub>2</sub>
RADS-121M*	Yes	3	288	3	9.5	N/A	61/57/54	15	No	Yes	A	7 <sup>5</sup> / <sub>16</sub>	75	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-151M*	Yes	3	382	3	11.7	N/A	59/56/52	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-183M*	Yes	3	446	3	7.8/7.3	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-223L*	Yes	3	529	3	10.9/10.0	N/A	62/60/58	15	Yes	Yes	B	10	138	18 <sup>5</sup> / <sub>8</sub> x 26 <sup>1</sup> / <sub>2</sub> x 26 <sup>1</sup> / <sub>2</sub>
RADS-253M*	Yes	3	523	3	12.4/11.3	N/A	63/61/58	20	Yes	Yes	C	10	145	18 <sup>5</sup> / <sub>8</sub> x 26 <sup>1</sup> / <sub>2</sub> x 26 <sup>1</sup> / <sub>2</sub>
RAD-283L	Yes	3	547	3	16.0/14.8	N/A	63/61/58	30	Yes	Yes	D	10	154	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-183L-20A	Yes	3	447	3	9.1/8.4	16.0/14.8	60/57/56	20	Yes	Yes	C	8	127	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-81M*	No	3	270	3	7.8	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-101L*	No	3	285	3	9.8	N/A	57/53/49	15	No	Yes <sup>^</sup>	A	18	72	14 <sup>1</sup> / <sub>2</sub> x 24 <sup>1</sup> / <sub>4</sub> x 20 <sup>5</sup> / <sub>16</sub>
BG-103L*	No	3	288	3	5.0/4.6	N/A	61/58/56	15	No	Yes <sup>^</sup>	B	18	78	14 <sup>1</sup> / <sub>2</sub> x 24 <sup>1</sup> / <sub>4</sub> x 20 <sup>5</sup> / <sub>16</sub>
BG-121M*	No	3	286	3	11.5	N/A	61/59/56	15	No	Yes <sup>^</sup>	A	18	86	14 <sup>1</sup> / <sub>2</sub> x 24 <sup>1</sup> / <sub>4</sub> x 20 <sup>5</sup> / <sub>16</sub>
BG-123L*	No	3	288	3	5.9/5.5	N/A	61/59/57	15	No	Yes <sup>^</sup>	B	18	82	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-143L	No	3	312	3	8.3/7.4	15.0/13.5	62/60/58	20	No	Yes <sup>^</sup>	C	18	84	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>
CD-121L	Yes	3	312	3	11.6	N/A	61/59/56	15	No	Yes	A	8 <sup>1</sup> / <sub>2</sub>	91	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-81A	Yes	3	198	3	8.2	N/A	49/46/43	15	N/A	Yes	A	N/A	63	27 <sup>13</sup> / <sub>16</sub> x 16 <sup>15</sup> / <sub>16</sub> x 13 <sup>5</sup> / <sub>16</sub>
PS-101A	Yes	3	359	3	10.0	N/A	56/53/50	15	N/A	Yes	A	N/A	72	27 <sup>13</sup> / <sub>16</sub> x 16 <sup>15</sup> / <sub>16</sub> x 13 <sup>5</sup> / <sub>16</sub>
PS-121A	Yes	3	258	3	11.9	N/A	53/50/47	15	N/A	Yes	A	N/A	72	27 <sup>13</sup> / <sub>16</sub> x 16 <sup>15</sup> / <sub>16</sub> x 13 <sup>5</sup> / <sub>16</sub>
PSH-141A	Yes	3	297	3	13.8	10.8	55/54/53	15	N/A	Yes	A	N/A	83	30 <sup>1</sup> / <sub>8</sub> x 18 <sup>7</sup> / <sub>16</sub> x 15 <sup>5</sup> / <sub>8</sub>

<sup>^</sup> Interior trim kit for BG, BGE Series: Models use wall sleeve