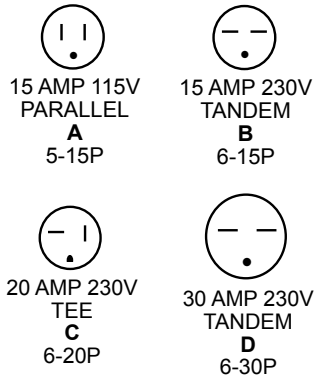


Specifications

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

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.

Comfort-Aire®

Model	Cooling Capacity BTU/Hr	Approx. Sq. Ft. Cooling	EER/CEER	Heating Capacity BTUH (electric)	Electric (Volts)	Humidity Removal Pints/Hr	Remote Control
COOLING 5,000 to 10,000 BTUH							
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
COOLING 12,000 to 36,600 BTUH							
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	11.1/11.2	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
COOLING WITH ELECTRIC HEAT							
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
THRU-THE-WALL SERIES							
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
HEAT PUMPS							
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
CASEMENT SERIES							
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
PORTABLE A/C							
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)
COOLING 5,000 to 10,000 BTUH														
RG-51M	No	2	136	2	4.0	N/A	55/51	15	No	Yes	A	3 ⁵ / ₁₆	45	12 x 16 x 15 ⁷ / ₁₆
RADS-51L*	No	3	129	3	3.88	N/A	55/52/49	15	No	Yes	A	3 ⁵ / ₁₆	45	12 x 16 x 15 ⁷ / ₁₆
RAD-61L	No	3	129	3	5.4	N/A	55/52/49	15	No	Yes	A	3 ⁵ / ₁₆	43	12 x 16 x 15 ⁷ / ₁₆
RADS-61M*	No	3	148	3	5.0	N/A	56/54/52	15	No	Yes	A	5	52	13 ⁷ / ₁₆ x 18 ¹ / ₂ x 15 ³ / ₄
RAD-81L	No	3	194	3	7.4	N/A	59/56/52	15	No	Yes	A	5	54	13 ⁷ / ₁₆ x 18 ¹ / ₂ x 15 ³ / ₄
RADS-81M*	No	3	214	3	6.2	N/A	59/56/52	15	No	Yes	A	5	55	13 ⁷ / ₁₆ x 18 ¹ / ₂ x 15 ³ / ₄
RADS-101M*	Yes	3	285	3	7.8	N/A	59/55/53	15	No	Yes	A	7 ⁵ / ₁₆	69	14 ⁵ / ₈ x 19 x 21 ¹ / ₂
COOLING 12,000 to 36,600 BTUH														
RAD-121L	Yes	3	288	3	11.0	N/A	61/57/54	15	No	Yes	A	7 ⁵ / ₁₆	73	14 ⁵ / ₈ x 19 x 21 ¹ / ₂
RADS-121M*	Yes	3	288	3	9.5	N/A	61/57/54	15	No	Yes	A	7 ⁵ / ₁₆	75	14 ⁵ / ₈ x 19 x 21 ¹ / ₂
RADS-123M*	Yes	3	288	3	5.1/4.7	N/A	60/58/55	15	No	Yes	B	7 ⁵ / ₁₆	77	14 ⁵ / ₈ x 19 x 21 ¹ / ₂
RADS-151M*	Yes	3	382	3	11.7	N/A	59/56/52	15	Yes	Yes	A	8	118	17 ¹⁵ / ₁₆ x 23 ⁵ / ₈ x 25 ⁷ / ₁₆
RADS-183M*	Yes	3	446	3	7.8/7.3	N/A	60/57/54	15	Yes	Yes	B	8	129	17 ¹⁵ / ₁₆ x 23 ⁵ / ₈ x 25 ⁷ / ₁₆
RADS-223L*	Yes	3	529	3	10.9/10.0	N/A	62/60/58	15	Yes	Yes	B	10	138	18 ⁵ / ₈ x 26 ¹ / ₂ x 26 ¹ / ₂
RADS-253M*	Yes	3	523	3	12.4/11.3	N/A	63/61/58	20	Yes	Yes	C	10	145	18 ⁵ / ₈ x 26 ¹ / ₂ x 26 ¹ / ₂
RAD-283L	Yes	3	547	3	16.0/14.8	N/A	63/61/58	30	Yes	Yes	D	10	154	18 ⁵ / ₈ x 26 ¹ / ₂ x 26 ¹ / ₂
COOLING WITH ELECTRIC HEAT														
REG-81M	No	3	277	3	6.3	11.6	58/55/52	15	Yes	Yes	A	6 ¹ / ₈	82	16 ¹ / ₈ x 22 ⁵ / ₈ x 23
REG-123M	No	3	279	3	5.2/5.0	16.0/14.5	61/58/55	20	Yes	Yes	C	6 ¹ / ₈	93	16 ¹ / ₈ x 22 ⁵ / ₈ 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 ¹⁵ / ₁₆ x 23 ⁵ / ₈ x 25 ⁷ / ₁₆
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 ¹⁵ / ₁₆ x 23 ⁵ / ₈ x 25 ⁷ / ₁₆
REG-253M	Yes	3	523	3	12.4/11.3	22.5/20.0	63/61/58	30	Yes	Yes	D	10	147	18 ⁵ / ₈ x 26 ¹ / ₂ x 26 ¹ / ₂
THRU-THE-WALL SERIES														
BG-81M*	No	3	270	3	7.8	N/A	57/54/52	15	No	Yes [▲]	A	18	76	14 ¹ / ₂ x 24 ¹ / ₄ x 20 ⁵ / ₁₆
BG-101L*	No	3	285	3	9.8	N/A	57/53/49	15	No	Yes [▲]	A	18	72	14 ¹ / ₂ x 24 ¹ / ₄ x 20 ⁵ / ₁₆
BG-103L*	No	3	288	3	5.0/4.6	N/A	61/58/56	15	No	Yes [▲]	B	18	78	14 ¹ / ₂ x 24 ¹ / ₄ x 20 ⁵ / ₁₆
BG-121M*	No	3	286	3	11.5	N/A	61/59/56	15	No	Yes [▲]	A	18	86	14 ¹ / ₂ x 24 ¹ / ₄ x 20 ⁵ / ₁₆
BG-123L*	No	3	288	3	5.9/5.5	N/A	61/59/57	15	No	Yes [▲]	B	18	82	14 ¹ / ₂ x 24 ¹ / ₄ x 20 ⁵ / ₁₆
BG-143M	No	3	296	3	7.5/6.9	N/A	61/60/59	15	No	Yes [▲]	B	18	89	14 ¹ / ₂ x 24 ¹ / ₄ x 20 ⁵ / ₁₆
BGE-103M	No	3	269	3	5.4/5.0	15.0/13.5	57/55/53	20	No	Yes [▲]	C	18	85	14 ¹ / ₂ x 24 ¹ / ₄ x 20 ⁵ / ₁₆
BGE-123M	No	3	286	3	5.9/5.5	15.0/13.5	61/59/57	20	No	Yes [▲]	C	18	89	14 ¹ / ₂ x 24 ¹ / ₄ x 20 ⁵ / ₁₆
BGE-143L	No	3	312	3	8.3/7.4	15.0/13.5	62/60/58	20	No	Yes [▲]	C	18	84	14 ¹ / ₂ x 24 ¹ / ₄ x 20 ⁵ / ₁₆
HEAT PUMPS														
RAH-123M	No	3	265	3	5.3/5.1	5.6/5.1	72/70/68	20	Yes	Yes	C	6 ¹ / ₈	110	16 ¹ / ₈ x 23 x 22 ⁵ / ₈
RAH-183M	Yes	3	541	3	7.8/7.3	8.8/8.3	72/70/68	20	Yes	Yes	C	10	159	18 ⁵ / ₈ x 26 ¹ / ₂ x 26 ¹ / ₂
CASEMENT SERIES														
CD-81M	Yes	3	264	3	6.6	N/A	54/51/48	15	No	Yes	A	8 ¹ / ₂	82	20 ¹⁵ / ₁₆ x 14 ⁵ / ₈ x 23 ¹ / ₂
CD-101M	Yes	3	323	3	8.5	N/A	61/58/56	15	No	Yes	A	8 ¹ / ₂	85	20 ¹⁵ / ₁₆ x 14 ⁵ / ₈ x 23 ¹ / ₂
CD-121L	Yes	3	312	3	11.6	N/A	61/59/56	15	No	Yes	A	8 ¹ / ₂	91	20 ¹⁵ / ₁₆ x 14 ⁵ / ₈ x 23 ¹ / ₂
PORTABLE A/C														
PS-81A	Yes	3	198	3	8.2	N/A	49/46/43	15	N/A	Yes	A	N/A	63	27 ¹³ / ₁₆ x 16 ¹⁵ / ₁₆ x 13 ⁵ / ₁₆
PS-101A	Yes	3	359	3	10.0	N/A	56/53/50	15	N/A	Yes	A	N/A	72	27 ¹³ / ₁₆ x 16 ¹⁵ / ₁₆ x 13 ⁵ / ₁₆
PS-121A	Yes	3	258	3	11.9	N/A	53/50/47	15	N/A	Yes	A	N/A	72	27 ¹³ / ₁₆ x 16 ¹⁵ / ₁₆ x 13 ⁵ / ₁₆
PSH-141A	Yes	3	297	3	13.8	10.8	55/54/53	15	N/A	Yes	A	N/A	83	30 ¹ / ₈ x 18 ⁷ / ₁₆ x 15 ⁵ / ₈

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