



**REG-81M**      **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

**SPECIFICATIONS**

Cooling Capacity BTUH	8,000
Approx. Sq. Ft. Cooling	300-350
EER/CEER	10.9/10.9
Heating Capacity BTUH (electric)	3,500
Power Supply	115V 60Hz
Humidity Removal Pts/Hr	1.90
Ventilation Control	No
Fan Only	Yes
Fan Speeds Cool/Heat/Fan	3/3/3
Air Delivery Max. CFM	277
dB Level (hi/med/low)	58/55/52
Amps Cooling	6.3
Amps Heating	11.6
Maximum Fuse Size	15A
Power Cord	15A Parallel NEMA 5-15P
Slide-Out Chassis	Yes
Window Mounting Kit	Yes
Remote Control	Yes
Shipping Weight (lbs.)	82
Dimensions (in.)	Height 16.1
	Width 22.6
	Depth 23.0



**REG-123M**      **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

**SPECIFICATIONS**

Cooling Capacity BTUH	11,600/12,000
Approx. Sq. Ft. Cooling	450-550
EER/CEER	10.9/10.9
Heating Capacity BTUH (electric)	8,500/11,000
Power Supply	208/230V 60Hz
Humidity Removal Pts/Hr	2.54
Ventilation Control	No
Fan Only	Yes
Fan Speeds Cool/Heat/Fan	3/3/3
Air Delivery Max. CFM	279
dB Level (hi/med/low)	61/58/55
Amps Cooling	5.2/5.0
Amps Heating	16.0/14.5
Maximum Fuse Size	20A
Power Cord	20A Tee NEMA 6-20P
Slide-Out Chassis	No
Window Mounting Kit	Yes
Remote Control	Yes
Shipping Weight (lbs.)	95
Dimensions (in.)	Height 16.1
	Width 22.6
	Depth 23.0



**REG-183M**      **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

**SPECIFICATIONS**

Cooling Capacity BTUH	18,200/18,500
Approx. Sq. Ft. Cooling	700-1000
EER/CEER	10.7/10.7
Heating Capacity BTUH (electric)	13,000/16,000
Power Supply	208/230V 60Hz
Humidity Removal Pts/Hr	3.80
Ventilation Control	Yes
Fan Only	Yes
Fan Speeds Cool/Heat/Fan	3/3/3
Air Delivery Max. CFM	446
dB Level (hi/med/low)	60/57/54
Amps Cooling	8.3/7.7
Amps Heating	22.0/20.0
Maximum Fuse Size	30A
Power Cord	30A Tandem NEMA 6-30P
Slide-Out Chassis	Yes
Window Mounting Kit	Yes
Remote Control	Yes
Shipping Weight (lbs.)	133
Dimensions (in.)	Height 17.9
	Width 23.6
	Depth 25.4

# 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-51Q	5,000	100-150	11.0/11.0	N/A	115	1.27	No
RADS-51Q*	5,000	100-150	12.1/12.2	N/A	115	1.27	Yes
RADS-61Q*	6,000	150-250	12.2/12.1	N/A	115	1.48	Yes
RADS-81Q*	8,000	300-350	12.0/12.0	N/A	115	2.11	Yes
RADS-101Q*	10,000	400-450	12.0/12.0	N/A	115	2.32	Yes
<b>COOLING 12,000 to 36,600 BTUH</b>							
RADS-121Q*	12,000	450-550	12.0/12.0	N/A	115	2.54	Yes
RADS-123M	11,700/12,000	450-550	11.3/11.2	N/A	208/230	2.54	Yes
RADS-151Q*	15,100	550-700	11.9/11.8	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	28,000/28,000	1500-2000	9.0/9.0	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	1.90	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	9.3/9.5	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	9.3/9.5	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	1.90	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-121C	12,000	450-550	8.9	N/A	115	3.38	Yes
PSH-141C	14,000	550-700	9.9	11,000	115	4.27	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-51Q	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	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-61Q*	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-81Q*	No	3	196	3	5.9	N/A	58/53/53	15	No	Yes	A	5.7	47	15 x 22 x 17.7
RADS-101Q*	Yes	3	300	3	8.03	N/A	61/58/56	15	No	Yes	A	7.3	64	14.6 x 19.0 x 21.5
<b>COOLING 12,000 to 36,600 BTUH</b>														
RADS-121Q*	Yes	3	300	3	9.7	N/A	61/59/58	15	No	Yes	A	7.3	75	14.6 x 19.0 x 21.5
RADS-123M	Yes	3	288	3	5.1/4.7	N/A	60/58/55	15	No	Yes	B	7.3	77	14.6 x 19.0 x 21.4
RADS-151Q*	Yes	3	376	3	11.9	N/A	58/54/53	15	Yes	Yes	A	8.0	118	17.9 x 23.6 x 25.4
RADS-183P*	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-253P*	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-283M	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
<b>COOLING WITH ELECTRIC HEAT</b>														
REG-81M	No	3	277	3	6.3	11.6	58/55/52	15	No	Yes	A	6.1	82	16.1 x 22.6 x 23.0
REG-123M	No	3	279	3	5.2/5.0	16.0/14.5	61/58/55	20	No	Yes	C	6.1	95	16.1 x 22.6 x 23.0
REG-183M	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-253M	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
<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	18.0	76	14.5 x 24.2 x 20.3
BG-101P*	No	3	269	3	8.3	N/A	57/55/53	15	No	Yes <sup>▲</sup>	A	18.0	80	14.5 x 24.2 x 20.3
BG-103P*	No	3	275	3	4.8/4.5	N/A	58/56/54	15	No	Yes <sup>▲</sup>	B	18.0	80	14.5 x 24.2 x 20.3
BG-121P*	No	3	286	3	10.0	N/A	61/59/57	15	No	Yes <sup>▲</sup>	A	18.0	87	14.5 x 24.2 x 20.3
BG-123P*	No	3	286	3	5.6/5.2	N/A	61/59/57	15	No	Yes <sup>▲</sup>	B	18.0	89	14.5 x 24.2 x 20.3
BG-143M	No	3	296	3	7.5/6.9	N/A	61/60/59	15	No	Yes <sup>▲</sup>	B	18.0	89	14.5 x 24.2 x 20.3
BGE-103M	No	3	269	3	5.0/4.6	15.0/13.5	57/55/53	20	No	Yes <sup>▲</sup>	C	18.0	85	14.5 x 24.2 x 20.3
BGE-123M	No	3	286	3	5.9/5.5	15.0/13.5	61/59/57	20	No	Yes <sup>▲</sup>	C	18.0	89	14.5 x 24.2 x 20.3
BGE-143M	No	3	296	3	7.5/6.9	15.0/13.5	61/60/59	20	No	Yes <sup>▲</sup>	C	18.0	89	14.5 x 24.2 x 20.3
<b>HEAT PUMPS</b>														
RAH-123M	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-183M	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
<b>CASEMENT SERIES</b>														
CD-81M	Yes	3	264	3	6.6	N/A	54/51/48	15	No	Yes	A	8.5	80	20.9 x 14.6 x 23.5
CD-101M	Yes	3	323	3	8.5	N/A	61/58/56	15	No	Yes	A	8.5	84	20.9 x 14.6 x 23.5
<b>PORTABLE A/C</b>														
PS-81B	No	1	209	1	8.0	N/A	56/52	15	N/A	Yes	A	N/A	60	27.7 x 13.6 x 14.0
PS-101B	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-121C	No	3	292	3	11.8	N/A	51/50/49	15	N/A	Yes	A	N/A	78	27.6 x 17.9 x 14.4
PSH-141C	No	3	306	3	11.9	10.2	56/54/52	15	N/A	Yes	A	N/A	83	30.1 x 18.4 x 15.6

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