

# Model / Room Size Chart / Vented Heaters

## QUICK REFERENCE (Based on Ceiling Height of 8 Feet)

Model	BTU/HR Input	BTU/HR Output	Square Feet BTU Zone					Approximate Room Size BTU Zone				
			1	2	3	4	5	1	2	3	4	5
<b>Direct-Vent Wall Furnaces</b>												
DV-55	55,000	42,000	5250	2625	1750	1312	1050	72 x 72	51 x 51	42 x 42	36 x 36	32 x 32
DVC-35	35,000	27,700	3462	1731	1154	865	692	59 x 59	42 x 42	34 x 34	29 x 29	26 x 26
DV-35	35,000	24,500	3063	1531	1021	766	613	55 x 55	39 x 39	32 x 32	28 x 28	25 x 25
DV-25	25,000	17,500	2187	1093	728	546	437	47 x 47	33 x 33	27 x 27	23 x 23	21 x 21
DV-215	15,000	10,500	1312	656	478	328	262	36 x 36	27 x 27	22 x 22	18 x 18	16 x 16
DV-210	10,000	7,000	875	437	291	218	175	30 x 30	17 x 17	17 x 17	15 x 15	13 x 13
<b>Direct-Vent Wall Furnaces</b>												
MV-145	20,000	14,400	1800	900	600	450	360	42 x 42	30 x 30	25 x 25	21 x 21	19 x 19
MV-130	14,000	10,080	1260	630	420	315	252	35 x 35	25 x 25	20 x 20	18 x 18	16 x 16
MV-120	8,400	6,048	756	378	252	189	151	27 x 27	19 x 19	16 x 16	14 x 14	12 x 12
<b>Room Heaters</b>												
RH-65	65,000	45,500	5687	2843	1895	1421	1137	75 x 75	53 x 53	44 x 44	38 x 38	34 x 34
RH-50	50,000	35,000	4375	2187	1458	1093	875	66 x 66	47 x 47	38 x 38	33 x 33	30 x 30
RH-35	35,000	24,500	3060	1530	1020	765	612	55 x 55	39 x 39	32 x 32	28 x 28	25 x 25
RH-25	25,000	17,500	2187	1093	729	546	437	47 x 47	33 x 33	27 x 27	23 x 23	21 x 21
<b>Gravity Wall Furnaces</b>												
GWT-50	50,000	37,000	4625	2312	1541	1156	925	68 x 68	48 x 48	39 x 39	34 x 34	30 x 30
GWT-35	35,000	25,900	3237	1613	1079	809	647	57 x 57	40 x 40	32 x 32	28 x 28	25 x 25
GWT-25	25,000	18,500	2312	1156	770	578	462	48 x 48	34 x 34	28 x 28	24 x 24	21 x 21
<b>Counterflow Vented Wall Furnaces</b>												
FAW-55	55,000	42,000	3875	2625	1750	1312	1050	62 x 62	51 x 51	42 x 42	36 x 36	32 x 32
FAW-40	40,000	31,000	5250	1937	1291	968	775	72 x 72	44 x 44	36 x 36	31 x 31	28 x 28
<b>Floor Furnaces</b>												
7088	65,000	45,500	5687	2843	1895	1421	1137	75 x 75	53 x 53	44 x 44	38 x 38	34 x 34
5088	45,000	31,500	3937	1968	1312	984	787	63 x 63	44 x 44	36 x 36	31 x 31	28 x 28
3588	32,500	22,750	2843	1421	947	710	568	53 x 53	38 x 38	31 x 31	27 x 27	24 x 24
<b>Classic Cast Iron Stoves</b>												
CIDV-30	30,000	21,000	2625	1312	875	656	525	51 x 51	36 x 36	30 x 30	26 x 26	23 x 23
CIBV-30	30,000	21,000	2625	1312	875	656	525	51 x 51	36 x 36	30 x 30	26 x 26	23 x 23

Use this Chart as Guide Only.  
Consult your Installer/Dealer for Final Model/Size Determination

### TO DETERMINE BTU NEEDS FOR AREA

1. Multiply the square feet of area by the ceiling height to determine cubic feet.
2. Determine BTU zone from map on other side, either zone 1, 2, 3, 4, or 5.
3. Multiply the cubic feet by your BTU zone. This number will be the BTU/HR Output that is required to heat your area.
4. Go to the BTU/HR Output column to match as closely as possible your BTU needs with heater output. You will notice several models (see Model column) of heaters will have the required BTU output to heat your area.
5. Please have your Empire representative explain the features of the different types of heaters available for your area.

Example: Room Size is 28' x 28'  
Ceiling Height is 8'  
BTU Zone is 4  
28' x 28' x 8' x 4 = 25,088  
BTU/HR Output

Models available = DV-35, RH-35 or GWT-35

Check QUICK REFERENCE section for sample room sizes and square footage that each heater will cover.



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\*See map on opposite side to determine BTU Zone for your location.

Note: • Not all heater models are allowed by some local codes; i.e., Vent-Free.

Be sure the heater model you have chosen is allowed in your area.

• At high altitudes, additional heat may be required

• If you have a single room with 4 exterior walls, additional heat may be required.

