

# BAH Series Electric Infrared Heater Application Chart

BAH HEAT PATTERNS				
Mounting Height	AREA HEATED IN FEET			
	1 KW	1.75 KW	2.5 KW	3 & 4 KW
7 feet	8 x 10	8 x 11	8 X 12	8 X 13
8 feet	9.5 X 11.5	9.5 X 12	9.5 X 13	9.5 X 14.5
9 feet	10.5 x 12.5	10.5 x 13	10.5 x 14	10.5 x 15.5
10 feet	-----	11.5 x 14.5	11.5 x 15.5	11.5 x 16.5
11 feet	-----	12.5 x 15	12.5 x 16	12.5 x 17.5
12 feet	-----	-----	14 x 18	14 x 19
13 feet	-----	-----	15 x 18.9	15 x 20
14 feet	-----	-----	-----	16 x 21
15 feet	-----	-----	-----	17.5 x 22.5

WATT DENSITY AT FLOOR LEVEL					
Mounting Height	DENSITY IN WATTS (ft2)				
	1 KW	1.75 KW	2.5 KW	3 KW	4 KW
7 feet	12.4	20.0	26.5	28.8	38.4
8 feet	9.2	16.1	20.1	22.0	29.4
9 feet	7.6	13.4	16.8	18.6	24.9
10 feet	-----	11.1	14.5	16.0	21.6
11 feet	-----	9.3	12.5	14.0	18.7
12 feet	-----	-----	10.0	11.2	15.0
13 feet	-----	-----	8.8	10.0	13.3
14 feet	-----	-----	-----	8.9	11.9
15 feet	-----	-----	-----	-----	10.9

STANDARD RATINGS AND SIZES					
MODELS	Overall Length	Heated Length	VOLTS	WATTS	AMP
*BAH-18-A-05	18"	13"	120	500	4.18
*BAH-25-A-10	25"	20"	120	1000	8.32
*BAH-25-B-10	25"	20"	208	1000	4.8
*BAH-25-C-10	25"	20"	240	1000	4.18
*BAH-35-A-17	35"	30"	120	1750	13.8
*BAH-35-B-17	35"	30"	208	1750	8.32
*BAH-35-C-17	35"	30"	240	1750	7.1
*BAH-45-B-25	45"	40"	208	2500	11.7
*BAH-45-C-25	45"	40"	240	2500	10.0
*BAH-60-B-30	60"	55"	208	3000	13.9
*BAH-60-C-30	60"	55"	240	3000	12.0
*BAH-60-C-40	60"	55"	240	4000	16.3
*BAH-60-D-40	60"	55"	575	4000	6.95

**ESTIMATING REQUIRED LOADINGS**

<b>TYPE OF BUILDING</b>	<b>Watt Required per Sq. Ft. at Floor Level</b>
Insulated	10
Uninsulated	16
Outdoor Sheltered	25-30
Outdoor Unsheltered	30-45

The figures above are based on a design of 0°F.

Add the following watts per square foot for the following temperatures below zero:

- 5 Add 0.75 watts per square foot
- 10 Add 1.50 watts per square foot
- 15 Add 2.25 watts per square foot
- 20 Add 3.00 watts per square foot

**IMPORTANT:** The table above is designed for a mounting height of 9 feet above floor level.

For higher mountings add 10% of the total watts for each foot above 9 feet.

For lower than 9 feet mountings, deduct 10% of the total watts for each foot below 9 feet.