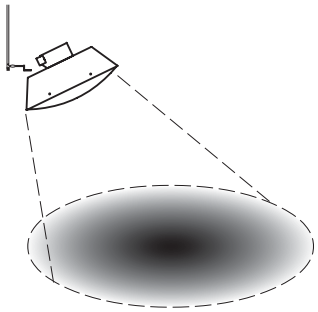
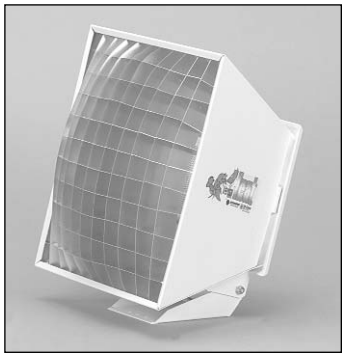
Electric Spot Series

Mounting angle 14 degrees
from vertical
(1/4 Run/Rise)





Performance Specifications

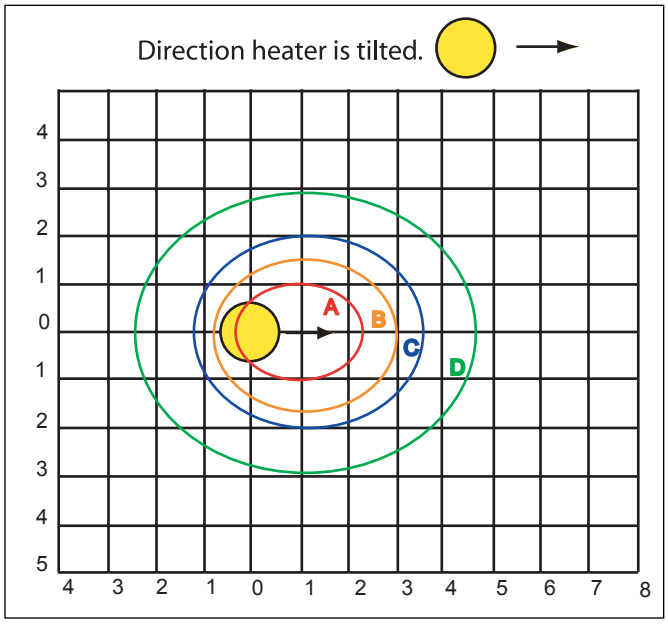
Model		VHE-200 1500 watts				VHE-226 3000 watts				VHE-277 5000 watts			
Mounting Height (feet)		**8**	**10**	**13**	**18**	**8**	**10**	**13**	**18**	**10**	**13**	**18**	**23**
Temperature	A	30.5	13.6	7.6	3.4	61.0	27.1	15.2	6.8	45.2	25.4	11.3	6.4
Increase	B	22.9	10.2	5.7	2.5	45.7	20.3	11.4	5.1	33.9	19.1	8.5	4.8
	C	15.2	6.8	3.8	1.7	30.5	13.6	7.6	3.4	22.6	14.7	5.6	3.2
	D	7.6	3.4	1.9	0.8	15.2	6.8	3.8	1.7	11.3	6.4	2.8	1.6
Map Scaler Multiplier (feet per gridline)		**1**	**1.5**	**2**	**3**	**1**	**1.5**	**2**	**3**	**1.5**	**2**	**3**	**4**

1. Temp° increases measured on horizontal, three feet high, wood surfaces without wind and heater operating at factory specifications.
2. OTHER CONDITIONS, SURFACES, AND ORIENTATIONS MAY RESULT IN DIFFERENT TEMPERATURE INCREASES.
3. See installation and clearance diagrams on the design specification sheet for this model heater.
4. Refer to Data Sheets for required distance to combustible above heater.

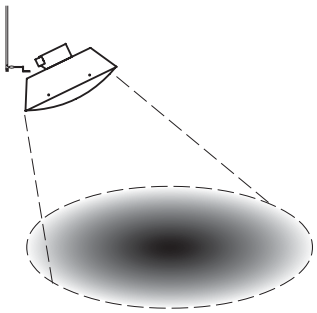
Temperature Increase Map

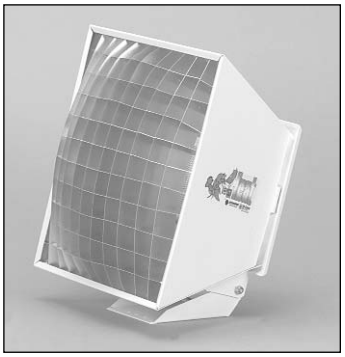
Map Instructions

1. The areas within the contour lines receive temperature differentials greater than or equal to the temperatures in the table for each contour line.
2. To determine the coverage area for each mounting height, multiply the heat pattern's measurement by the Map Scale Multiplier.
3. Note that the temperature increase will be greater on the outer edge than is indicated by the chart; the measurement only indicates the infrared energy striking the flat surface. People and objects will feel energy that passes horizontally over the surface.



26° mounting angle temperature increase chart





Electric Spot Series

Mounting angle 26 degrees
from vertical
(1/2 Run/Rise)

Performance Specifications

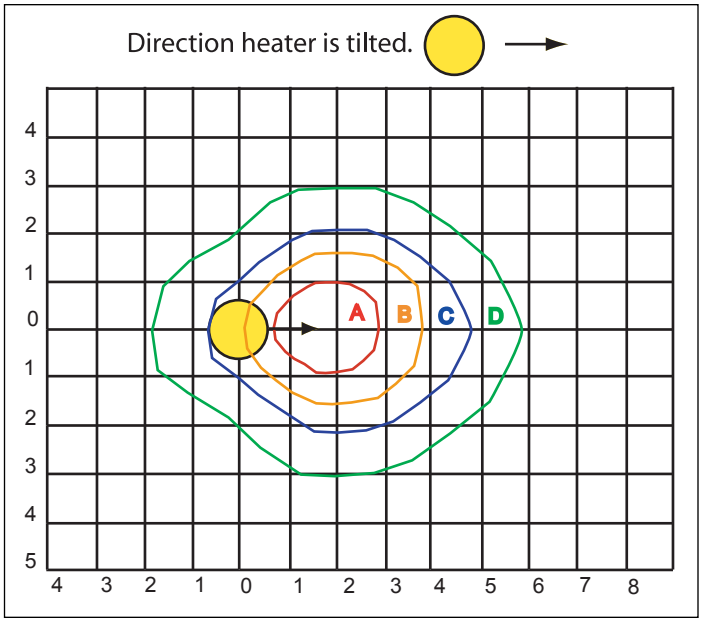
Model		VHE-200 1500 watts				VHE-226 3000 watts				VHE-277 5000 watts			
Mounting Height (feet)		**8**	**10**	**13**	**18**	**8**	**10**	**13**	**18**	**10**	**13**	**18**	**23**
Temperature	A	27.0	12.0	6.8	3.0	54.1	24.0	13.5	6.0	40.1	22.5	10.0	5.6
Increase	B	20.3	9.0	5.1	2.3	40.6	18.0	10.1	4.5	30.0	16.9	7.5	4.2
	C	13.5	6.0	3.4	1.5	27.0	12.0	6.8	3.0	20.0	11.3	5.0	2.8
	D	6.8	3.0	1.7	0.8	13.5	6.0	3.4	1.5	10.0	5.6	2.5	1.4
Map Scaler Multiplier (feet per gridline)		**1**	**1.5**	**2**	**3**	**1**	**1.5**	**2**	**3**	**1.5**	**2**	**3**	**4**

1. Temp° increases measured on horizontal, three feet high, wood surfaces without wind and heater operating at factory specifications.
2. OTHER CONDITIONS, SURFACES, AND ORIENTATIONS MAY RESULT IN DIFFERENT TEMPERATURE INCREASES.
3. See installation and clearance diagrams on the design specification sheet for this model heater.
4. Refer to Data Sheets for required distance to combustible above heater.

Temperature Increase Map

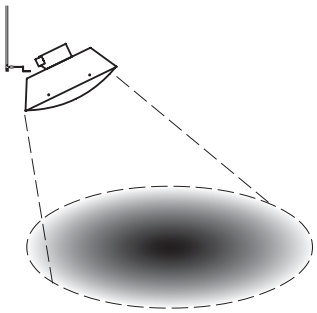
Map Instructions

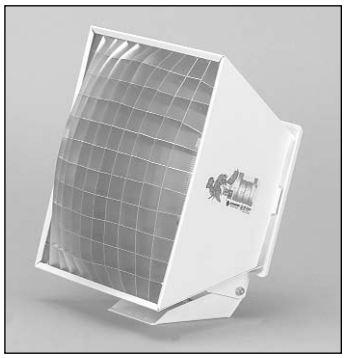
1. The areas within the contour lines receive temperature differentials greater than or equal to the temperatures in the table for each contour line.
2. To determine the coverage area for each mounting height, multiply the heat pattern's measurement by the Map Scale Multiplier.
3. Note that the temperature increase will be greater on the outer edge than is indicated by the chart; the measurement only indicates the infrared energy striking the flat surface. People and objects will feel energy that passes horizontally over the surface.



Electric Spot Series

Mounting angle 45 degrees
from vertical
(1/1 Run/Rise)





Performance Specifications

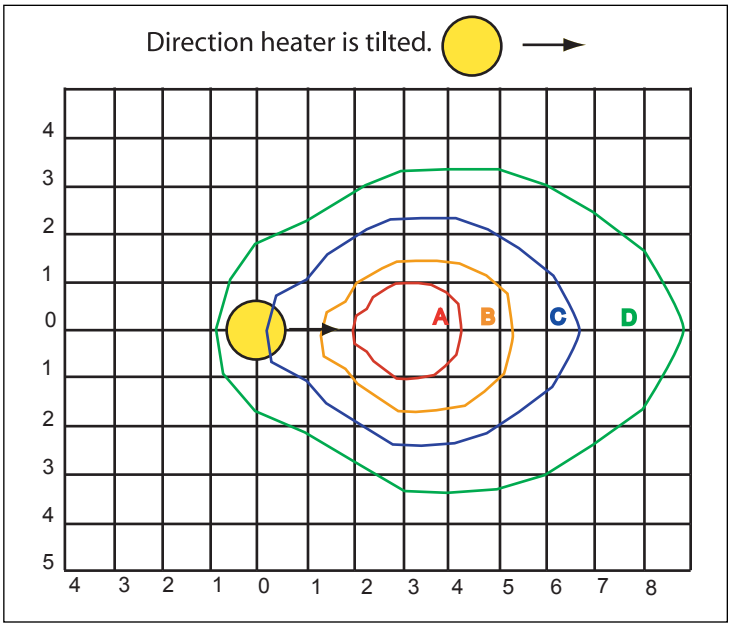
Model		VHE-200 1500 watts				VHE-226 3000 watts				VHE-277 5000 watts			
Mounting Height (feet)		**8**	**10**	**13**	**18**	**8**	**10**	**13**	**18**	**10**	**13**	**18**	**23**
Temperature	A	18.1	8.0	4.5	2.0	36.2	16.1	9.0	4.0	26.8	15.1	6.7	3.8
Increase	B	13.6	6.0	3.4	1.5	27.1	12.1	6.8	3.0	20.1	11.3	5.0	2.8
	C	9.0	4.0	2.3	1.0	18.1	8.0	4.5	2.0	13.4	7.5	3.3	1.9
	D	4.5	2.0	1.1	0.5	9.0	4.0	2.3	1.0	6.7	3.8	1.7	0.9
Map Scaler Multiplier (feet per gridline)		**1**	**1.5**	**2**	**3**	**1**	**1.5**	**2**	**3**	**1.5**	**2**	**3**	**4**

1. Temp° increases measured on horizontal, three feet high, wood surfaces without wind and heater operating at factory specifications.
2. OTHER CONDITIONS, SURFACES, AND ORIENTATIONS MAY RESULT IN DIFFERENT TEMPERATURE INCREASES.
3. See installation and clearance diagrams on the design specification sheet for this model heater.
4. Refer to Data Sheets for required distance to combustible above heater.

Temperature Increase Map

Map Instructions

1. The areas within the contour lines receive temperature differentials greater than or equal to the temperatures in the table for each contour line.
2. To determine the coverage area for each mounting height, multiply the heat pattern's measurement by the Map Scale Multiplier.
3. Note that the temperature increase will be greater on the outer edge than is indicated by the chart; the measurement only indicates the infrared energy striking the flat surface. People and objects will feel energy that passes horizontally over the surface.

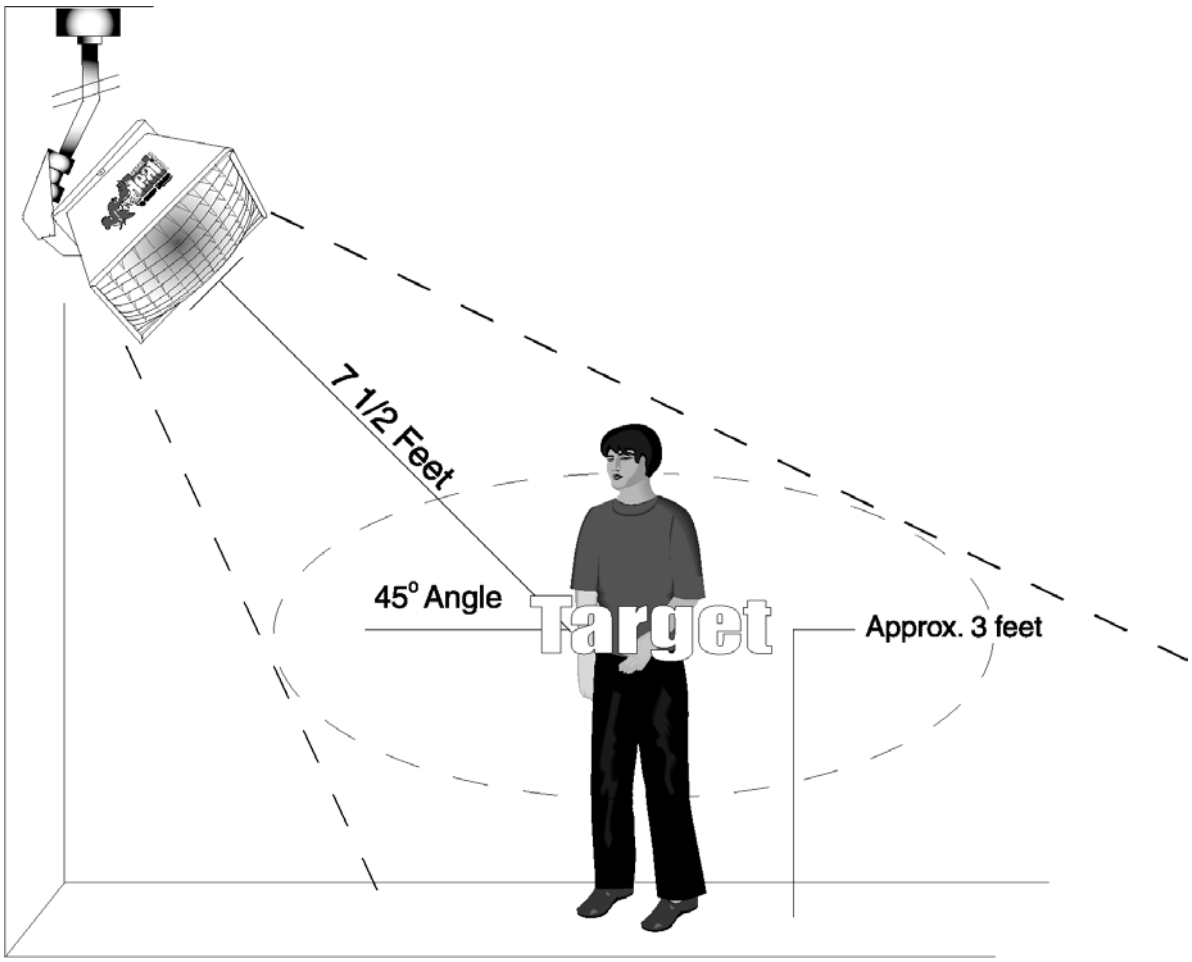


Mounting Tips

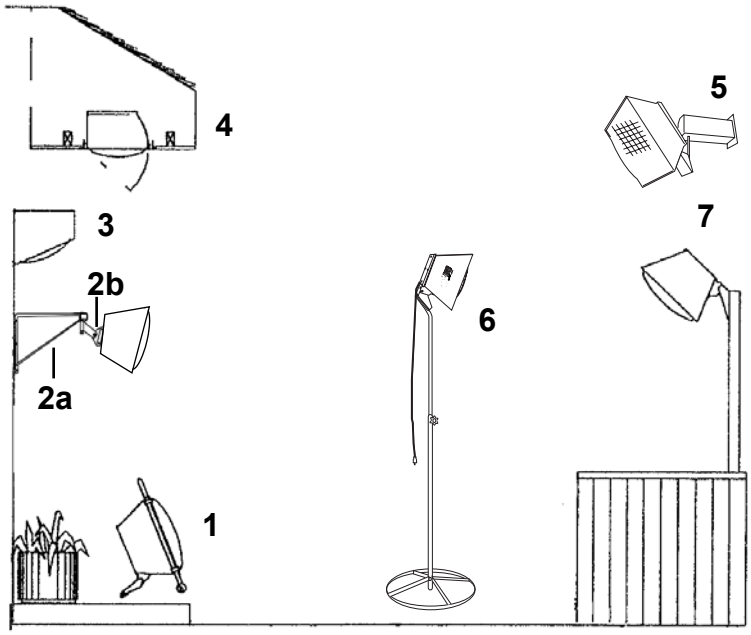
When heaters are to be used for human comfort, the "target" area is the person's midsection, which is typically located about three feet high. Therefore, for people comfort, start your measurements for the location of the heater three feet above the floor where people will be located.

Example: You want to heat a six sq. ft. area at a product assembly station. Your desired temperature increase at the target - a person's midsection (approx. three ft. above the ground) - is 15°F. In this case, the lens of your 1500 watt spot heater should be angled at a 45° angle 7.5 feet above the target. This position allows you to determine which mounting option is most appropriate.

Note: By raising the work area temperature by 15°F, you have allowed yourself to lower your ambient temperature. Doing this will keep your people warm AND your energy bill low!



Mounting Tips



Mounting options available through Schaefer

1 **Portable** - Easy to use and move.

2a **Wall Mount**
2b **Mounting Tab** - Attach this specially designed tab to our traditional wall mount to adjust the position of the heater vertically and horizontally.

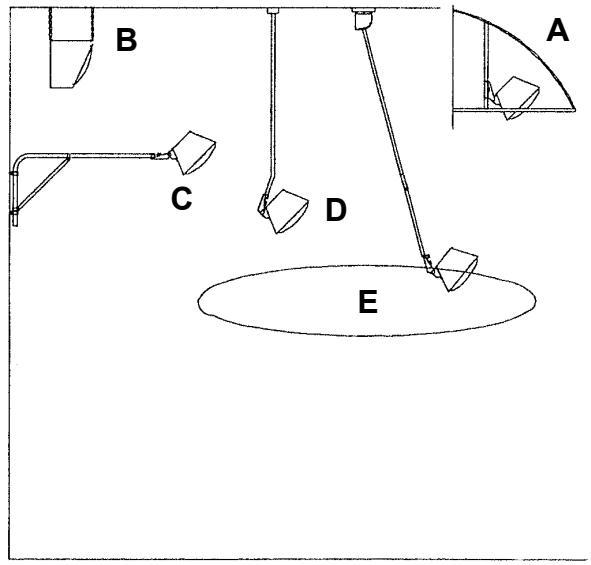
3 **Vestibule Enclosures** - Exterior walls above people and sidewalks.

4 **Flushmount** - Eave and T-Bar locations both inside and out where heater can pivot down and out.

5 **Oscillator** - Mounts to wall with a 90° oscillating angle.

6 **Pedestal Stand** - For shops and garages.

7 **Multi-Mount** - Standard mount included with most heaters.



Other mounting ideas

A **Awning Clamp** - Adjustable, removable mounting to pipe and bar structures

B **Chain Hung Vestibule** - Architectural means to place heaters alongside lighting equipment.

C **Jib Arm** - Moveable means to place the heater up to 6' from the side wall. Base extension allows for re-direction from the floor.

D **Conduit Mount** - Fastest way to securely hang a heater and simultaneously provide electric service.

E **Skyhook** - An upside down “ceiling stand” that is adjustable within a 16' wide area.

These options are available at most industrial supply locations or can be fabricated from conduit by electricians.

Application Ideas

Commercial/Industrial

- warehouses
- break areas
- assembly lines
- loading docks
- auto service areas
- building entrances
- bus maintenance garages
- campground shower & facility areas
- car dealerships
- bus stops

Hospitality

- decks
- valet parking
- parking ramps
- outside waiting areas
- entrance areas
- outside dining areas

Horticulture

- garden centers
- checkout aisles
- work areas
- loading docks

Agriculture

- milking parlors
- milk houses
- special needs areas
- walkways
- horse stalls

Sports/Recreation

- sideline spot heat
- spot heat for spectators
- gymnasiums
- spot heat for athletes