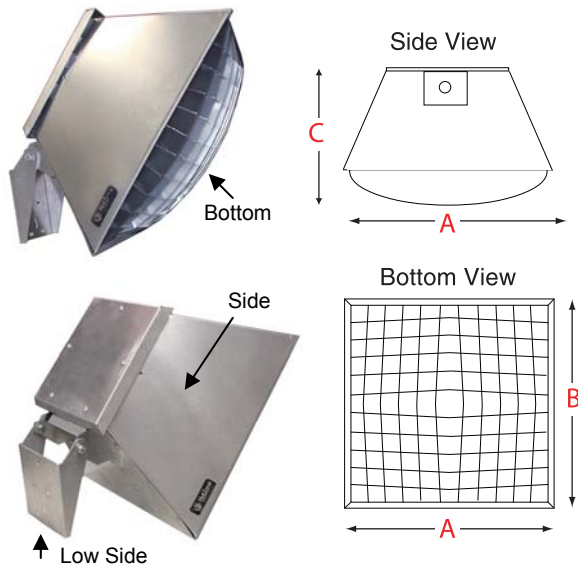


HotZone® HZS "Square Back" Heaters are well suited for spot heating industrial applications where it is inefficient or impossible to increase the ambient air temperature including in factories, warehouses, arenas and stadiums, garages, hangars, restaurants, guard houses, residences and other locations. Has on-board junction box and adjustable wall mount tab for easy installation.



The HZS "Square Back" Series of HotZone® Infrared Spot Heaters:

- Are high intensity electric infrared (radiant) spot heaters.
- With their patented IRLens™ focus five times more infrared energy into the central beam than spot heaters without lenses.
- Heat people and objects, not the air.
- Are designed and UL/ETL listed for fixed mount indoor and outdoor (commercial/industrial use) including in damp and wet locations.
- Come in three standard sizes: 1500W, 3000W and 5000W.
- Can be wall, ceiling or pole mounted.
- Come with a range of voltage options from 120V through 480V.
- Come standard unpainted aluminum or special order custom colors.

HotZone® heaters are designed and manufactured in the USA by Schaefer.



HZS "Square Back" Heater Dimensions

Model	1500 Watt	3000 Watt	5000 Watt
A from diagram	14"	20"	26"
B from diagram	14"	20"	26"
C from diagram	10"	12"	16"
Weight	8 lbs.	12 lbs.	22 lbs.

Heater Performance

Model	1500 Watt	3000 Watt	5000 Watt
Power (Watts)	1500	3000	5000
Lens Power	5x	5x	5x
Spot Pattern	Circular	Circular	Circular
Mounting Height	8'-13'	10'-18'	13'-23'
≥+15° Spot Size	14 ft ²	28 ft ²	60 ft ²
ΔT at min height*	30° F	27° F	25° F
ΔT at max height*	8° F	7° F	6° F

*Temperature increase resulting from direct radiant energy. In most applications, surface heating, re-radiation and other affects will also raise the ambient temperature over time and add to the temperature increase. Please refer the HZS "Square Back" Series Design Guides for detailed temperature increase data at a range of mounting heights and angles.



See mechanical and electrical installation information on back of this page.

Installation Notes

Heaters must be installed:

- by a licensed electrician.
- at or above the minimum mounting height.
- outside the minimum distance to combustibles to reduce the risk of fire.
- with the junction box on the low side of the heater to avoid overheating and voiding the warranty.

Heaters may be:

- hung from top by chains or attached to a wall or pole with the included multi-mount bracket.

Minimum Mounting Height

Model	1500 Watt	3000 Watt	5000 Watt
	72"	72"	96"

Minimum Distance to Combustibles (around heater)

Model	1500 Watt	3000 Watt	5000 Watt
Above	6"	9"	12"
Back	1"	1"	1"
Front	1"	1"	1"
Side	1"	1"	1"
Below (in beam)	48"	66"	96"

Combustible Avoidance Zone Diameter (below heater)

Model	1500 Watt	3000 Watt	5000 Watt
Distance from lens			
12"	26"	32"	38"
24"	36"	42"	48"
36"	46"	52"	58"
48"	56"	62"	68"
60"	N/A	72"	78"
72"	N/A	82"	88"
84"	N/A	N/A	98"
96"	N/A	N/A	108"

Electrical Requirements

HotZone® HZS heaters come in three standard sizes (1500W, 3000W and 5000W) and a range of voltages, and wiring schemes, depending on element choice.

Model HZS 1500 Watt

Voltage (V)	Element Stages	Element Leads	Current/Stage
120	1	2	12.5
208	1	2	7.2
240	1	2	6.3
277	1	2	5.4

Model HZS 3000 Watt

Voltage (V)	Element Stages	Element Leads	Current/Stage
120/240	2	3	12.5/6.3
208	2	3	7.2
208	3-Delta	3	4.8
240/480	2	3	6.3/3.2
277	1	2	5.4

Model HZS 5000 Watt

Voltage (V)	Element Stages	Element Leads	Current/Stage
120	3	4	13.9
208	2	3	12.0
208	3-Y	4	13.9
208	3-Delta	3	8.0
240/480	2	3	10.4
277	2	3	9.0
480	2	3	10.4
480	3-Y	4	6.0

Heater Controls

Schaefer offers a range of heater control hardware including switches and thermostats to allow you to create an efficient and effective thermal comfort solution. Please visit www.schaeferfan.com or call customer care at 1.800.779.3267 for more information.