

A model for general internal installation, providing ceramic medium wave high-energy infrared heat. With standard model being 4.5Kw, in a range of formats, they offer the instant answer to many zone or localized heating problems. These units can be wall mounted or ceiling suspended and come in single phase version. The case is manufactured from aluminium and is painted in ivory colour powder coat finish. Guards and wall brackets are supplied.

The ceramic elements emit a high proportion of medium wave infrared heat, this output is far less intense than the short wave version, and it can therefore be used where low level or space restricted instant heat is required. Ceramic elements produce no visible light, so can also be installed in situations where the red glow from short wave system would make them unacceptable, such as photographic studios, or where colour comparisons are used. To help make the right choice, remember shortwave produces high output instant infrared heat (burning at around 2000C) making them ideal for general zone/space heating in commercial and industrial areas of all types and sizes. Medium wave (burning at around 700C) takes a few minutes to reach peak heat and are more suited to smaller areas, for example, shops, veterinary surgeries, studios, security offices, sheds etc.



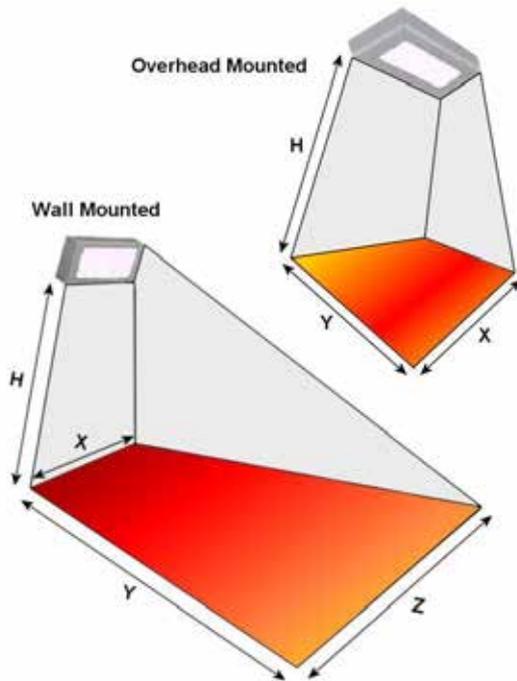
Typical applications for ceramic heaters:

- Porta cabins
- Sheds
- Store Rooms
- Animal Husbandry
- Low Ceiling Rooms
- Photographic Studios
- Frost Protection
- Green Houses
- Drying Rooms
- Changing Rooms
- Garages
- Reptiles/Zoos



Ceramic Heating Systems

- The perfect solution for Infra red heating without any associated light.
- Ideal for small spaces or low level ceilings.
- Wattages as low as 150W available.
- Technical Support
- Design and planning advice.
- Full range of infra red heaters for both fixed and mobile systems.



Heat Requirements

A simple calculation can be made regarding the total amount of heat required in any given area, by using the guidelines in the watts/m² below.

Choose the nearest figure to the application of work undertaken and premises type, then multiply this by the total area in m². This will give you an idea as to the total amount of wattage required for heating the area.

The size and type of heaters can then be compared with the *table below* to find the most suitable models. A

10 – 15% overlap is recommended to ensure even coverage of the area. Due consideration should be given to the power supply required, mounting locations and safety requirements.

w/m ² required			
	Heavy work	Light work	Spot Heating
Highly insulated	150	200	250
Insulated	175	225	250
Un-insulated	200	250	275
Light cladding	250	300	300
Badly insulated/damp	300	300	300

	Wall Mounted				Area Covered	Overhead Mounted			Area Covered
	H	X	Y	Z		H	X	Y	
HLC45	3.5m	3.6m	3.6m	7.0m	19.1m ²	4.2m	4.5m	4.2m	18.9m ²

Technical Specifications

Power Supply:- 220-240v 4500w

Weight:- 3.5 Kg

Size:- L 405mm x H 495mm x D 72mm

Lamp Life:- 5,000 Hours