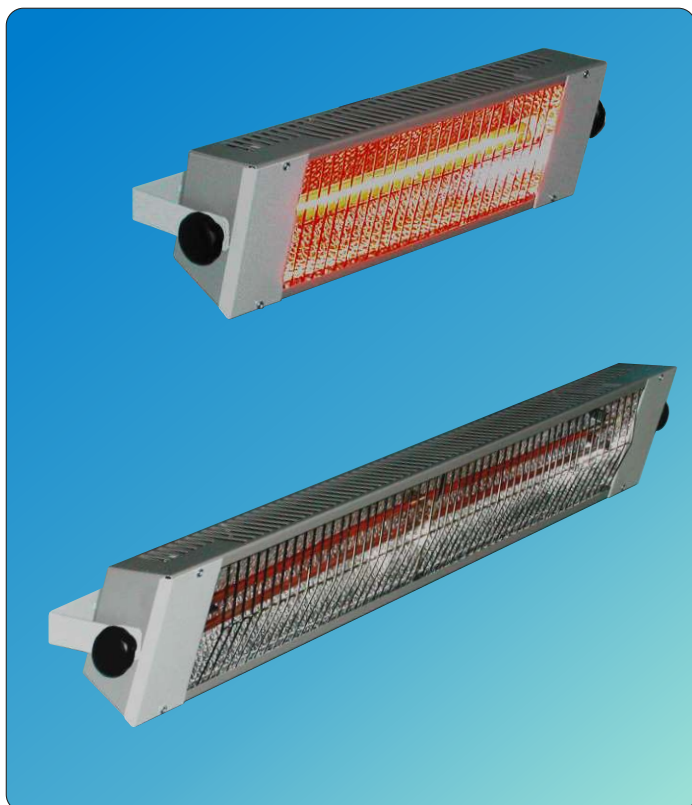


# INFRARED RADIANT HEATERS



## CUMFITHEAT

### Short Wave Infrared Heater

The sensation and welcome of instant heat right where it's needed. Shortwave infrared heaters warm people, not places. The tilt mounting allows the gentle heat rays to be focussed at the area to be heated.

### Medium Wave Infrared Heater

Medium Wave heaters are low cost, robust and easy to install radiant heaters. Although slow to get to full power the heaters are very effective. The tilt mounting allows heat to be localised at a general area.

### APPLICATIONS:

CANTEENS  
CHANGE ROOMS  
CHURCHES  
CHURCH HALLS  
CLASSROOMS  
CLUBS  
ENTERTAINMENT AREAS  
ENTRANCE HALL  
FACTORIES  
GARAGES  
GUARD HOUSES  
AIRCRAFT HANGERS  
INDUSTRIAL UNITS  
LAVATORIES  
LEISURE CENTRES  
LOADING BAYS  
MEETING HALLS  
PORCHES  
SCHOOL HALLS  
STORE ROOMS  
STUDIOS  
TOLL BOOTHS  
WARE HOUSES

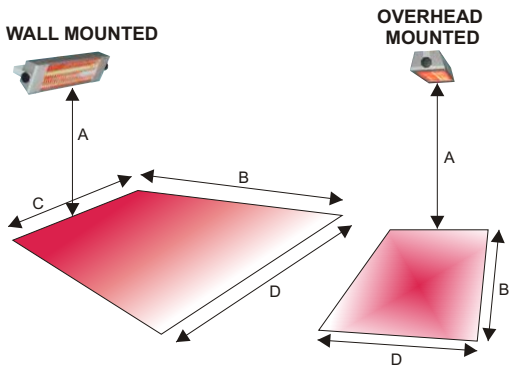
### CUMFITHEAT HEATER ACCESSORIES



**Clean, Silent, Efficient and Cost Effective!**

# SHORTWAVE INFRARED HEATER SELECTION GUIDE

CONFIGURATION	POWER	VOLTS	AMPS	WALL MOUNTED COVERAGE				OVERHEAD MOUNT COVERAGE			HEATER DIMENSIONS W x H x D	MODELS
				A	B	C	D	A	D	B		
	1kW	240V	4.16A	1.8m	2.5m	2.5m	3.0m	N/A	N/A	N/A	480 x 130 x 115	ZHS10
	1.5kW		6.25A	2.5m	2.5m	3.2m	3.5m	3.0m	2.0m	3.0m	480 x 130 x 115	ZHS15
	2kW		8.33A	2.5m	3.0m	3.2m	4.0m	3.0m	2.0m	3.0m	480 x 130 x 115	ZHS20
	3kW	240V	12.50A	3.0m	3.5m	3.6m	5.0m	3.5m	2.3m	3.5m	480 x 300 x 160	ZHS30
	4kW		16.66A	3.5m	4.0m	4.0m	6.0m	3.5m	2.3m	3.5m	480 x 300 x 160	ZHS40
	4.5kW	3 Phase + N	6.25A	4.0m	4.5m	4.0m	6.0m	4.0m	3.4m	5.0m	480 x 490 x 160	ZHS45
	6kW		12.50A	4.5m	5.0m	3.5m	7.0m	5.0m	3.8m	5.5m	480 x 490 x 160	ZHS60



**Please note:** The dimensions given in the tables above and below are an average estimation and do not take into consideration potentially severe environmental conditions within and around buildings.

## SHORTWAVE INFRARED INSTALLATION GUIDE

- Use the following procedure when planning a Cumfitheat heating installation for buildings.
1. Make a scaled plan of the area to be heated, noting possible mounting heights and positions.
  2. Determine the overall heating requirements.
    - $B \times D \times \text{Heating Index} = \text{Total kW Required}$
    - 1000
    - B= Length to be heated in metres, D= Width to be heated in metres
    - Heat Index= Intensity in watts per m<sup>2</sup>, determined from Heating Index table
  3. Determine the number of Cumfitheat heaters by dividing the kW rating of the units available into the total kW loading.
  4. A 10 -15% overlap is recommended to give even coverage.

CUMFITHEAT Short Wave Heater - Heating Index for Various Applications	
130 - 170	Shops, Meeting halls, Recreation rooms, Clubs, Pubs
150 - 170	Offices, Canteens, Waiting Rooms, Entrance Halls
150 - 200	Workshops, Factories, Garages, Public buildings, Restaurants
180 - 220	Warehouse, Loading bays, Large workshops and factories
220 - 240	Churches

# MEDIUM WAVE INFRARED HEATER SPECIFICATIONS

CONFIGURATION	POWER	VOLTS	AMPS	WALL MOUNTED COVERAGE				OVERHEAD MOUNT COVERAGE			HEATER DIMENSIONS W x H x D	MODELS
				A	B	C	D	A	D	B		
	500W	240V	2.08A	1.8m	1.2m	2.2m	2.0m	2.2m	1.0m	1.5m	480 x 130 x 115	ZHM05
	1kW		4.16A	1.8m	1.8m	3.2m	3.0m	2.2m	1.5m	2.0m	480 x 130 x 115	ZHM10
	2kW		8.33A	2.5m	2.0m	3.2m	3.5m	3.0m	3.0m	3.0m	800x 130 x 115	ZHM20
	3kW		12.5A	2.5m	2.3m	3.5m	4.0m	3.5m	4.0m	4.5m	1000 x 130 x 115	ZHM30

CUMFITHEAT Medium Wave Heater - Heating Index for Various Applications	
210	Shops, Meeting halls, Recreation rooms, Clubs, Pubs
230	Offices, Canteens, Waiting Rooms, Entrance Halls
245	Workshops, Factories, Garages, Public buildings, Restaurants
300	Warehouse, Loading bays, Large workshops and factories
345	Churches

## HEATER ACCESSORIES

PORTABLE STAND 1.8M ..... ZHPS01  
 FIXED STAND 1.8M..... ZHFS01

The portable and fixed 1.8m stands can support all the heaters listed in the above tables.

## HEALTH AND SAFETY

Provided the heaters are installed according to the installation instructions the infrared heaters pose no threat to a persons health. This view is also supported by the British Occupational Hygiene Society in a report dated the 22nd December 1992 on Quartz Linear Lamps. This report is available on request. In addition infrared heating is also used in the medical arena for the treatment of rheumatism, neuralgia, colds, as well as stimulating recovery from injury. Infrared aids in the stimulation of blood flow which in itself helps keep the body warm. All our heaters are manufactured to the highest quality standards. The actual infrared bar that radiates the heat carries the EC mark which means it complies with all the European standards for this type of equipment.

Specifications subject to change without notice

Manufactured in RSA

E&OE

# CUMFITHEAT

MANUFACTURED & DISTRIBUTED BY



SPECIALISED HEATING APPLICATIONS

Tel: +27 (0) 11 425-4062 Fax: +27 (0) 11 425-2554  
 Email: info@specialheat.com

P.O. BOX 2656, Boksburg North, 1461, South Africa  
 Unit 8, 30 Golden Drv., Morehill Ext. 8, Benoni