

ZH Heater



ZH Heater with surface mounted casing. ▶



ZH Heater recessed for flush mounting. ▶



Features:

- ▶ Can be mounted flush into 600mm x 600mm ceiling grids
- ▶ Surface mounted case available
- ▶ Modern attractive appearance
- ▶ Mounting height of up to 3m (FFL)
- ▶ Compact dimensions
Easy installation and maintenance

ZH Heater

Established in 1960, Diffusion has over 50 years experience in producing environmental solutions via the manufacture of heating, air conditioning and ventilating products.

Application

The Diffusion ZH electric heater is an ideal choice for space or spot heating in such applications as offices, shops, banks, restaurants, schools, hospitals and hotels. As the unit only requires minimal depth it is ideal for buildings with restricted ceiling voids.

Description

The Diffusion ZH electric heater has been designed to be integrated within standard 600mm x 600mm ceiling grid systems or be surface mounted with its compact casing. As the unit utilizes electric heat this allows instant zone heating creating a pleasant working environment.

Chassis

The unit chassis shall be manufactured from 1.0mm thick galvanised mild steel. The chassis shall have suitable integral fixing holes allowing the unit to be hung from the slab via drop rods.

Surface Casing

The unit casing shall be manufactured from 1.0mm thick zintec mild steel and finished in RAL9010 white as standard. Casing does not need to be removed to access or hang the unit.

Fan Assembly

Each fan and motor assembly shall be fitted with a continuously rated motor and be complete with a built in thermal overload protector to DIN IEC38. The external rotor motor shall be rated to IP44 and fitted with sealed for life ball bearings and with insulation rated to class B. The fans shall be double inlet, double width centrifugal type and dynamically balanced in two planes according to DIN standards ISO 1940.

Unit Performance

Heating Duty (kW)	Air Volume (m ³ /s)	Starting Current (A)	Full Load Current (A)	Supply Voltage	Unit Weight (KG) Chassis Only	Unit Weight (KG) Cased	NR Level	dBA Level
3	0.17	15	13.7	230/1ph/50hz	19	26	43	53
6	0.17	28	26.7	230/1ph/50hz	19	26	43	53

Unit Dimensions

Recessed Model

Width (mm)	Depth (mm)	Height (mm)
595	595	260

Electric Element

Open wire low thermal mass element manufactured from nikrothal alloy wire supported on glass string between mica support plates. Assembly is fitted with a PTC other type thermal safety cut-out.

Grille

The grille shall be an aluminium egg create type with quick release hinged core and finished as standard in a white powder coat RAL9010. All components are accessed via the grille.

Controls

The unit shall be supplied complete with a remote switch plate housing single speed fan and two heat settings (low – 3kw & high – 6kw).



Function Tests

Each unit shall be function tested at our factory to ensure correct operation. All electrical components shall be tested to ensure each unit and its associated wiring complies with the 16th edition of IEE. The unit shall be manufactured in accordance with BS EN ISO 9001:2000 quality standards.

Optional Extras

Thermostats: Integral or remote mounting and can be supplied adjustable or tamperproof.

BMS Interface Relay: 24VAC relay to control unit on/off.

Cased Model

Width (mm)	Depth (mm)	Height (mm)
600	600	260