

Ace

Electric Over Door Heater



Features:

- ▶ Compact and Versatile.
- ▶ Available in a wide range of colours.
- ▶ Available in 3kW or 3/6kW versions.
- ▶ Suitable for mounting up to 2.5m high from finished floor level.
- ▶ Fully cased.
- ▶ Low overall height.
- ▶ Available in a wide range of colours.
- ▶ Easy to install.

Ace

Electric Over Door 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 ACE electric over door heater is an ideal choice for shops, small offices, banks, building societies, hotels and hospitals. With its low overall height it can be mounted above most doors with limited door to ceiling height.

Description

The Diffusion ACE electric over door heater has been designed, through the use of low overall height, to enable easy installation above doorways with restricted door to ceiling heights. The ACE electric overdoor heater is supplied with either integral or remote controls, leaving only a suitable mains isolator and power to be connected. The unit is mounted via four holes located in the rear panel.

Chassis

The chassis shall be manufactured from a minimum of 1.2mm thick galvanised mild steel. All galvanised mild steel items shall be self finished. The chassis shall be suitably stiffened to prevent flexing and distortion. The unit shall have a suitable removable access panel for maintenance purposes.

Casing

The casing shall be manufactured from a minimum of 1.2mm thick Zintec. The casing shall be suitably stiffened to prevent flexing and distortion. The casing shall be powder coated white RAL 9010 as standard.

Fan assembly

The motor shall be of the high output permanent split phase capacitor type, continuously rated and complete with built in thermal overload protection, complying with BS 2048 1961 part 1 and BS 5000. The fan impellers shall be of the double inlet, double width centrifugal type dynamically balanced in two planes according to DIN standards ISO 1940. The motors shall be insulated to BS 2757 (class F).

Electric Elements

Electric elements comply with BS7351 - 1990. Each element shall be manufactured from 8mm fully sheathed stainless steel rods, fitted with 4mm pitched spiral fins. A manual re-set high temperature cut-out shall be fitted in accordance with standard safety requirements.

Controls

The 3kW version is supplied with a fan on/off switch and a heating on/off switch. The 6kW version is supplied with a fan on/off switch and two 3kW heating on/off switches. The switches are located on a panel at the right hand side of the discharge grille. If the thermostat option is selected, it only controls the heating elements, the fans remain running. Unit fitted with remote controls shall be supplied with a remote control plate housing an on/off speed and 2 heat selection switches.

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.

Discharge Grille

The discharge grille shall be an eggcrate type manufactured from extruded aluminium and shall be finished to match casing. Inlet air will be via pre-punched holes within the unit casing.

Optional Extras

Thermostat – for remote mounting and can be supplied adjustable or tamperproof.

Thermostat – Return air type for internal mounting.

Remote Control Plate – Housing an on/off, speed and 2 heat selection switches.



Boots The Chemist, one of our many blue chip clients

Performance Details

MODEL	SPEED	MOTOR TAPPING	DUTY	AIR VOL	AIR ON	AIR OFF	ELEC SUPPLY	POWER	S.C	F.L.C	WEIGHT	GUIDE NR	dBA
ACE 3kW	STD	Brown	3kW	145 L/s	20 deg C	37 deg C	230-1-50	3048 W	14.60 A	13.22 A	19 kg	NR45	49dBA
ACE 3/6 kW	STD	Black	6kW	150 L/s	20 deg C	53 deg C	30-1-50	6090 W	29.00 A	26.50 A	20 kg	NR47	51dBA

Dimensions

820mm length x 344mm height x 196mm depth

NOTES

Guide NR values given are based on 1 off unit mounted within a typical space and measured at 3.0m from the unit discharge grille. dBA figures given are calculated from the sound pressure levels measured at 3.0m horizontally from the unit discharge grille.



Diffusion Environmental Systems

47 Central Avenue, West Molesey, Surrey KT8 2QZ
 Tel: (+44) 020 8783 0033 Fax: (+44) 020 8783 0140
 Email: diffusion@etenv.co.uk www.diffusion-group.co.uk

