



## Plate mounted axial flow flameproof fans HDB / HDT Series

### HDB/HDT

Range of plate mounted axial flameproof fans. Mounting plate manufactured from galvanised sheet steel fitted with an internal aluminium ring and motor support manufactured from heavy gauge aluminium sheet. The whole assembly is protected by aluminium paint finish B-0920. Impellers manufactured from one piece die-cast aluminium with aerofoil profile fixed blades and finished in a high temperature paint coating (red colour). Available, depending upon the model, with single or three phase motors in 4, 6 or 8 poles.

#### Motors

All motors are IP55, Class F insulation.

All motors incorporate ball bearings greased for life.

Electrical supplies: Single phase 230V-50Hz.

Three phase 230/400V-50Hz.

#### Additional information

Standard air direction: form (A) configuration (Motor over Impeller).

For the single phase motors, the capacitor is provided not fitted on the fan.

It must be installed outside of the ATEX area or within an electrical main board complying with ATEX Directive.

#### On request

Air direction: form (B) configuration (Impeller over Motor) only for 450 and 560 models.

### ATEX

ATEX versions HDT On request, explosion proof versions in accordance with ATEX Directive. For ambient working temperatures from -20°C to +40°C. - ATEX Flameproof-Gas: In standard ATEX version flameproof motors are without thermal protection. If used with frequency inverter, flameproof motors with a PTC-type thermal protection must be specified at order. II 2G Ex d IIB T4 II 2G Ex d IIB+H2 T4- ATEX Dust: In standard ATEX version, ATEX motors for dust are without thermal protection. If used with frequency inverter, ATEX motors for dust with a PTC-type thermal protection must be specified at order. Suspended flammable particles and non-conductive dust: II 3D Ex tc IIIB T125°C Conductive dust:

### Attributes

