



## Single inlet centrifugal fans BSP Series

### BSP

Range of belt driven single inlet centrifugal fans, designed for emergency smoke extraction in fire conditions and certified F400-120. The fans are also suitable for supply or exhaust applications in commercial and industrial buildings.

Sizes of this series are in accordance with AMCA standard 99-0098-76 and DIN323R20.

#### Operating limit

Each fan type has its maximum operating speed and power due to its mechanical design. The operating limit of BSP series is adjusted to meet the requirement of class I limit as defined in AMCA standard 99-2408-69.

#### Motor

Foot-mounted motor (B3), IP55, Class F insulation.

Electrical supplies: Three phase 220-240/380-415-50/60\* Hz up to 3 kW.

(\*Check Easyvent for 60Hz available models).

Three phase 380-415V-50Hz, for higher power motors and two speed motors. 1 speed motor are speed controllable by inverter.

#### Wheel

The wheel of BSP series has backward curved blades manufactured in cold rolled sheet steel with polyester powder coating finish.

#### Housing

For all sizes, the housing is manufactured in galvanized sheet steel with the housing fixed to the side plates in "pittsburg lock" form system.

#### Frame

The frame is manufactured with galvanized angular bars for type "C".

For type "T", they are manufactured with sections of steel and finished with polyester powder coating.

-Type C (models from 315 to 630)

- Type T (models from 710 to 1000).

#### On request

Inspection door (IP) and drain hole (CD).

Epoxy paint.

2 speed motors.



## ATEX

ATEX versions BSPOn request, explosion proof versions for BSP, in accordance with ATEX Directive for three phase models:- ATEX Flameproof - GasII 2G Ex d IIB T4II 2G Ex d IIB(H2) T4 (with Ex d IIC T4 motor)- ATEX Increased safety - GasII 2G Ex e II T3- ATEX - DustSuspended flammable particles and non-conductive dust:II 3D Ex tc IIIB T125°CConductive dust:II 3D Ex tc IIIC T125°C (with IP65 motor)

## Attributes



Assembly type C



**Assembly type T**