



## Centrifugal Single Inlet Fans CBT-N Series

### CBT-N

Range of single inlet direct driven centrifugal fans designed for the continuous extraction of air stream up to 120°C (1).

The casings are manufactured from one piece die cast aluminium and finished with a tough, grey colour, epoxy-polyester paint coating.

All models incorporate radial centrifugal impellers manufactured from die cast aluminium and finished in a red colour epoxy-polyester paint finish.

Available with motors in 2 poles.

(1) Models CSB: up to 70°C.

#### Motors

All motors are IP55 class F (1), with ball bearings greased for life.

Electrical supply:

-Single phase 230V-50Hz.

-Three phase 230/400V-50Hz and 400V-50Hz.

(1) Models CSB and CBT-40: IP44, class B and equipped with thermal protection.

#### Additional information

The scroll can be orientated (1) in 7 different positions as per the table below. Standard supplied position: LG270.

(1) CSB and CST Models: only can be supplied in LG270 position.

#### On request

2 speed motors.



## ATEX

ATEX versions On request, explosion proof versions in accordance to ATEX Directive for three phase models. 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. Except CBT-40 and CST-60 models II 2G Ex d IIB T4 II 2G Ex d IIB+H2 T4 (with Ex d IIC T4 motor)- ATEX Increased safety-Gas: Only CBT-100 and CBT-130 models II 2G Ex e II T3-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 nonconductive dust: II 3D Ex tc IIB T125°C Conductive dust: II 3D Ex tc IIC T125°C (with IP65 motor) To select CBT-N refer to performance curves, or Easyvent. The consumption data of ATEX products may vary from the data shown in technical characteristic charts.

## Attributes



#### Tough casing design

Scroll made in one piece aluminium die casting.



#### **Impellers dynamically balanced**

Radial centrifugal impellers dynamically balanced, according to ISO 1940 standard, providing vibration free operation.