



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.