



# CENTRIFUGAL SINGLE INLET FANS

## CBT-N Series

CBT-60 N

(230/400V50/60HZ)LG270 VE



### 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:

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

Suspended flammable particles and nonconductive dust:

⊕II 3D Ex tc IIIB T125°C

Conductive dust:

⊕II 3D Ex tc IIIC 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."



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) CSB Models: 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) CSB and CST Models: IP44 and Class B.

### 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.

## + Attributes



**Tough casing design**  
Scroll made in one piece aluminium die casting.

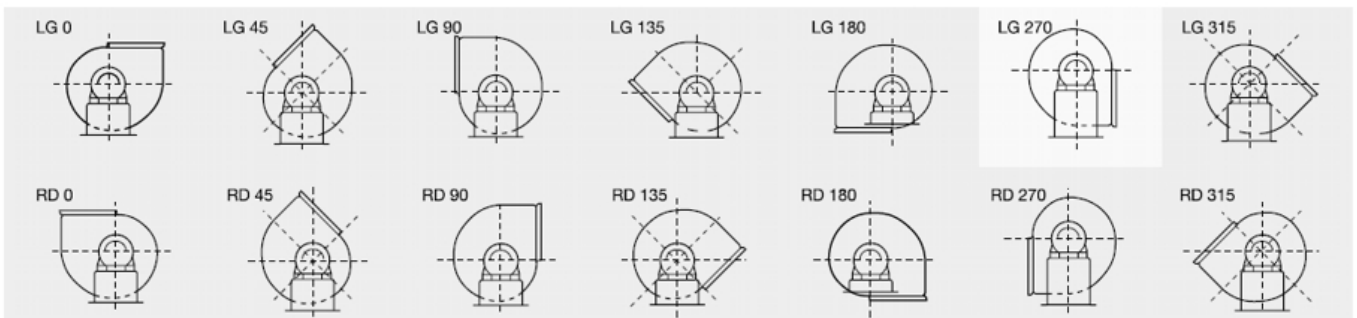


**Impellers dynamically balanced**  
Radial centrifugal impellers dynamically balanced, according to ISO 1940 standard, providing vibration free operation.

## + Acoustic characteristics

## + Technical characteristics

## + Orientation



Standard supplied position: LG 270.

It is possible to obtain all other positions (LG and RD) by adjusting the scroll.

## + Dimensions

## + Curves

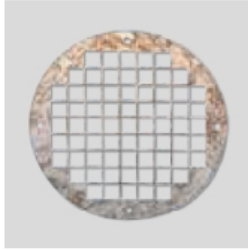
## + Mounting Accessories



**CBA/CBS**  
Circular connection flanges.



**BF - BM series**  
Articulated Arms for extraction of welding fumes.  
Temperature up to 70°C.  
Easy to manipulate.  
2 models.  
2 sizes 3 or 4 m.  
From 300 to 1200 m³/h.



**DEF-T and KRJ**  
Inlet guard.



**CBA-125/CBA-160/CBA-170**  
Circular inlet flanges for  
CBT-125 / CBT-160 / CBT-170 models.

**CBS-125/CBS-160/CBS-170**  
Circular discharge flanges for  
CBT-125 / CBT-160 / CBT-170 models.



**CBS 100 E5 connector**  
(as accessory)

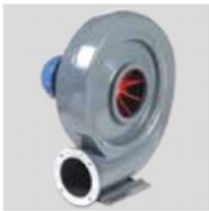


**KBTA**  
Sound attenuators to mount at CBT inlet models.

**KBTI**  
Sound attenuators to mount at CBT outlet models.

Installation with direct connection to the fan inlet: Fan + special connector + arm

**Fan**



Recommended fan to use is CBB/CBT-100N.

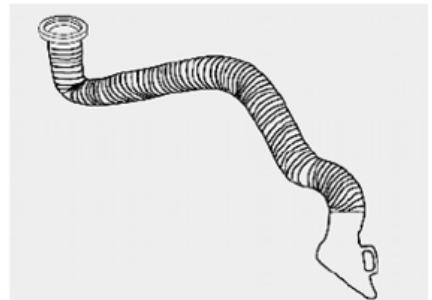
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**CBS 100 E5 connector**



+

**Arm**



BF or BM articulated arm.