

# TBT Series



Range of axial flow fans fitted with two pole motors for high pressure applications. Casings are formed from rolled steel sheet finished with grey epoxy-polyester paint coating. All models incorporate one piece die-cast aluminium impellers. The impellers are finished in a red colour epoxy-polyester paint coating.

### Motors

All the motors are 2 poles, **IP55**, Class F insulation, with **ball bearings** greased for life.

Electrical supply:

Three-phase 230/400V-50Hz.

### Additional Information

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



TBT

Cylindrical cased axial flow fans

## A P P L I C A T I O N S

### High robustness



Fan casing formed from rolled sheet steel with electro-welded duct connection flanges

### Dynamically balanced impeller



**Impellers are dynamically balanced**, according to ISO 1940, providing vibration free operation and coated with a special **low friction paint repelling the dirtiness**



Warehouses



Workshops



Naval industry

## ■ Technical characteristics

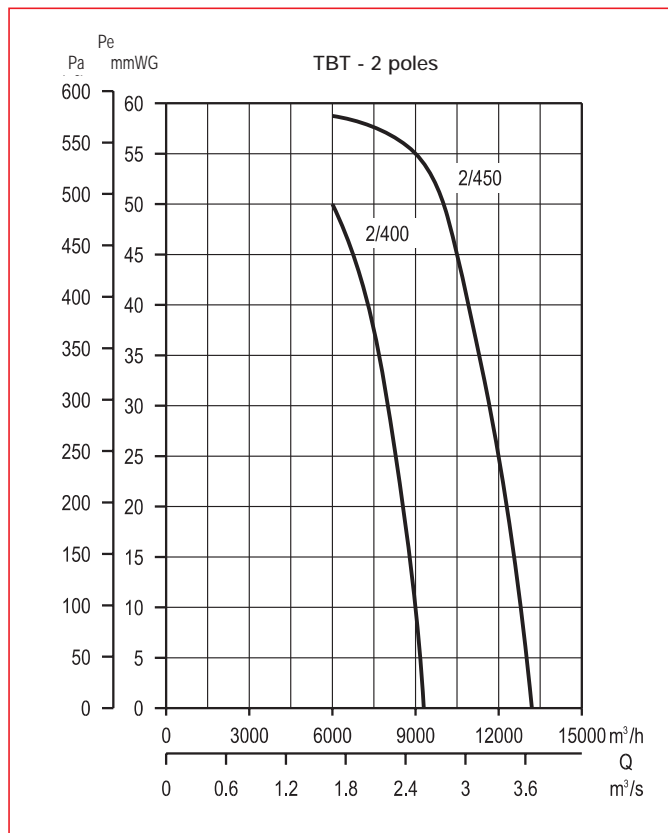
Before installation check that the product electrical characteristics listed on the data plate label (Voltage, power, frequency etc) match those of the intended electrical supply.

Model	Speed (r.p.m.)	Maximum power absorbed (kW)	Maximum absorbed current (A)		Degree of protection	Insulation class	Maximum air volume (m <sup>3</sup> /h)	Sound pressure level (dB(A))*	Weight (kg)
			230 V	400 V					
TBT/2-400	2800	1,5	5,98	3,45	IP-55	Clase F	9300	84	35
TBT/2-450	2820	3	10,91	6,30	IP-55	Clase F	13200	87	59

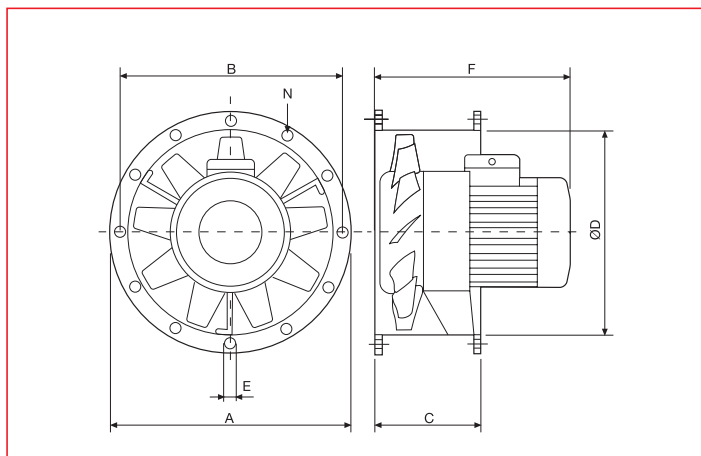
\* Reduce by 10 dB(A) when installing within a ducted system.

### Performance curves

- Q = Air volume in, m<sup>3</sup>/hr and m<sup>3</sup>/s.
- Pe = Static pressure in mmWG and Pa.
- Dry air at 20°C and 760 mmHg.
- Air flow data in accordance with the following standards: UNE 100-212-89, BS 848, Part 1; AMCA 210-85 and ASHRAE 51-1985.

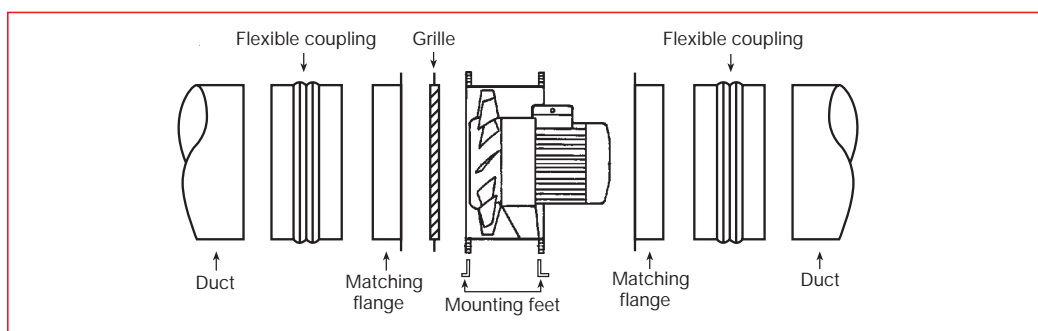


### Dimensions (mm)



Model	Ø A	B	C	Ø D	Ø E	F	Number of holes
TBT/2-400	484	450	220	400	10	327	8
TBT/2-450	525	500	220	450	10	407	12

### Mounting accessories



Model	Protection grilles	Matching flanges	Flexible coupling	Mounting feet
TBT 400	DEF-400 T	BRIDA-400	ACOP-400	PIE-400
TBT 450	DEF-450 T	BRIDA-450	ACOP-450	PIE-450