



# Cylindrical Cased Axial Flow Atex Fans

## TGT Series

TGT/4/8-1000-3-ST-50Hz



Range of adjustable pitch aerofoil blade, cased axial flow fans. Casings formed from rolled sheet steel with a corrosion resistant hot dipped galvanised finish. All models incorporate separate high grade die-cast aluminium blades locked within a pressed sheet steel hub.

Suitable for horizontal or vertical mounting installation. All models are available in both short and long casing versions. Long casing versions (L) include an exterior terminal box.

### Motors

Available, depending upon the model:

- with three phase motors in 2, 4 or 6 poles.
- with three phase two speed motors 2/4,4/8 or 6/12 poles.

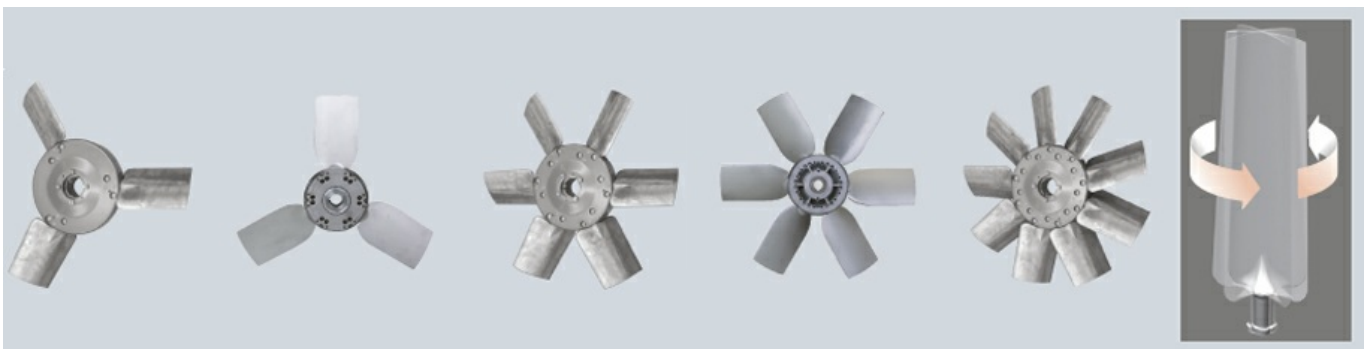
All the motors are IP55, Class F insulation

### Electrical supplies:

Three phase 230/400V-50Hz up to 3kW.

Three phase 400V-50Hz, for higher power motors and two speed motors.  
(See characteristics chart)

### + Attributes



Highly versatile range due to different number of available blades and adjustable pitch angles

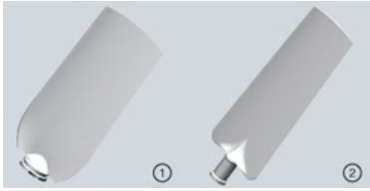


**Corrosion resistance** Casings formed from rolled sheet steel with a corrosion resistant hot dipped galvanised finish.

**Support motor** Manufactured from electrowelded sheet steel. (Models from 400 to 800).

**Aerodynamic motor support** Aerodynamic design of the motor support to optimise airflow performances. (Models from 900 to 1250).

**Impeller dynamically balanced** Impeller dynamically balanced, according to ISO 1940 standard, providing vibration free operation



**Wide blade design: higher pressure**  
Blade design to ensure the highest efficient airflow performances.  
Configuration 1: 400 to 630 models.  
Configuration 2: 710 to 1250 models.



**Terminal box**  
External terminal box, situated out of the airflow (long casing standard versions)

## + Technical characteristics

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## + Reference

T G T / 4 - 8 0 0 - 6 / 10 / B L - 2,2 kW  
1 2 3 4 5 6 7 8

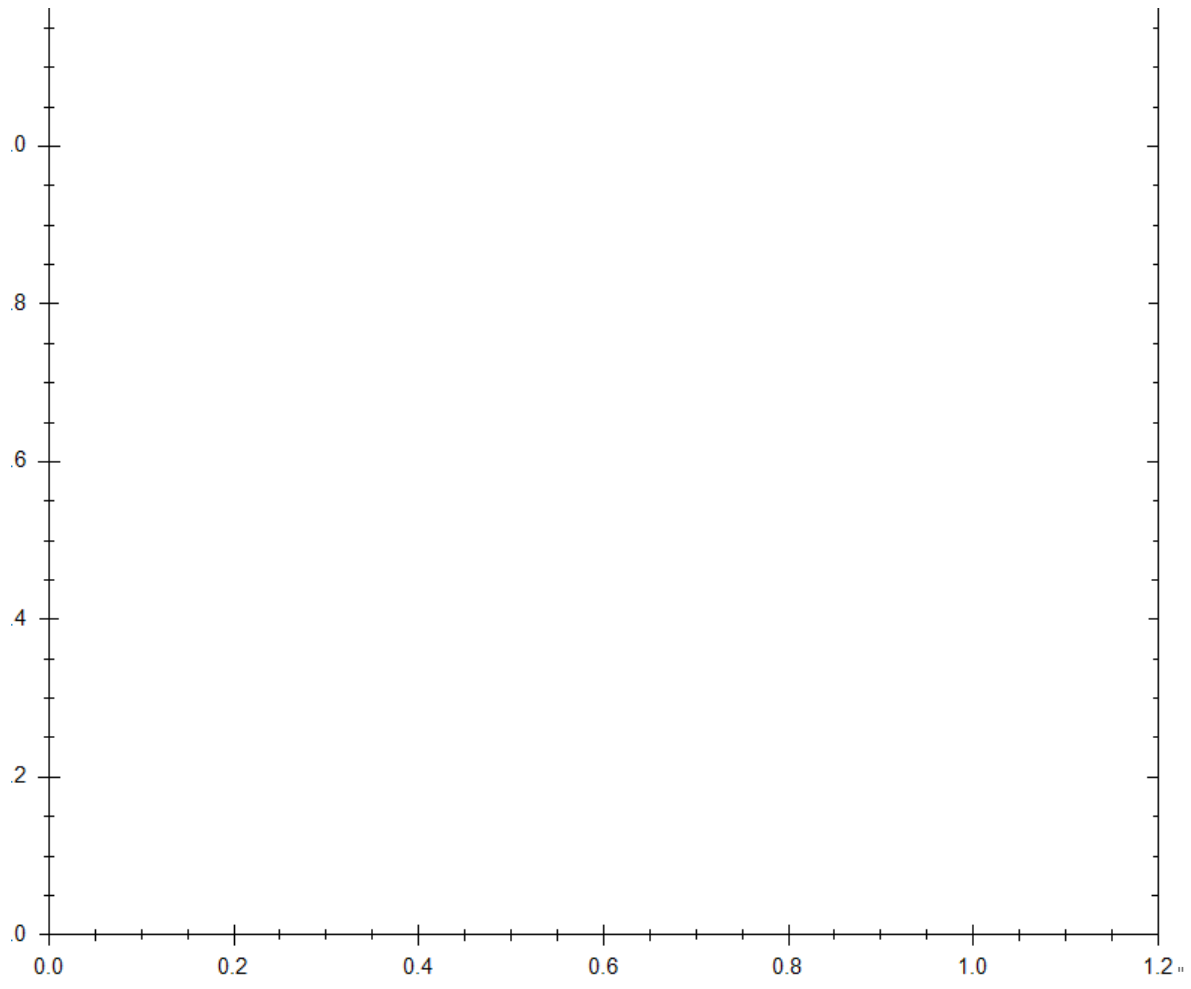
- 1 - Product range.
- 2 - Number of poles.
- 3 - Diameters.
- 4 - Number of blades.
- 5 - Blade pitch angle.
- 6 - Airflow direction: B (Impeller - Motor) / A (Motor - Impeller).
- 7 - Blank: With short casing without external terminal box.  
K: With short casing with external terminal box.  
L: With external terminal box and view finder.  
LP: Without external terminal box and with inspection door.
- 8 - Motor power.

## + Dimensions

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## + Curves



## + Mounting Accessories

Model	Circular duct matching flange	Bellmouth protection guard	Circular flexible connector	Inlet grille guard	Outlet grille guard
400	ARO BRIDA TGT/THGT-400 N	EMB- 400T	ACOPEL F400-400/160 N	DEF.ASP.TGT/THGT-400 (impeller side)	DEF.DES.TGT/THGT-400 (motor side)
450	ARO BRIDA TGT/THGT-450 N	EMB- 450T	ACOPEL F400-450/160 N	DEF.ASP.TGT/THGT-450 (impeller side)	DEF.DES.TGT/THGT-450 (motor side)
500	ARO BRIDA TGT/THGT-500 N	EMB- 500T	ACOPEL F400-500/160 N	DEF.ASP.TGT/THGT-500 (impeller side)	DEF.DES.TGT/THGT-500 (motor side)
560	ARO BRIDA TGT/THGT-560 N	EMB- 560T	ACOPEL F400-560/160 N	DEF.ASP.TGT/THGT-560 (impeller side)	DEF.DES.TGT/THGT-560 (motor side)
630	ARO BRIDA TGT/THGT-630 N	EMB- 630T	ACOPEL F400-630/160 N	DEF.ASP.TGT/THGT-630 (impeller side)	DEF.DES.TGT/THGT-630 (motor side)
710	ARO BRIDA TGT/THGT-710 N	EMB- 710T	ACOPEL F400-710/180 N	DEF.ASP.TGT/THGT-710 (impeller side)	DEF.DES.TGT/THGT-710 (motor side)
800	ARO BRIDA TGT/THGT-800 N	EMB- 800T	ACOPEL F400-800/180 N	DEF.ASP.TGT/THGT-800 (impeller side)	DEF.DES.TGT/THGT-800 (motor side)
900	ARO BRIDA TGT/THGT-900 N	EMB- 900T	ACOPEL F400-900/180 N	DEF.ASP.TGT/THGT-900 (impeller side)	DEF.DES.TGT/THGT-900 (motor side)
1000	ARO BRIDA TGT/THGT-1000 N	EMB- 1000T	ACOPEL F400-1000/180 N	DEF.ASP.TGT/THGT-1000 (impeller side)	DEF.DES.TGT/THGT-1000 (motor side)
1250	ARO BRIDA TGT/THGT-1250 N	EMB- 1250T	ACOPEL F400-1250/200 N	DEF.ASP.TGT/THGT-1250 (impeller side)	DEF.DES.TGT/THGT-1250 (motor side)



Model	Support feet (Horizontal)	Support feet (Vertical)	Back draft shutter*	Back draft shutter	Circular sound attenuator	Flexible connector ATEX	Antivibration mounts (AM)
400	PIE SOP.TGT/THGT-400	PIE SOP.TGT/THGT-400 V	CLAR-400	SIL CZ 400	SIL CZO 400	ACOPEL EX 400/ 160 N	Divide the total weight of the fan by 4, as you need 4 antivibration mounts per unit, and then look for the appropriate model according to their load. (See: Mounting accessories)
450	PIE SOP.TGT/THGT-450	PIE SOP.TGT/THGT-450 V	CLAR-450	SIL CZ 450	SIL CZO 450	ACOPEL EX 450/ 160 N	
500	PIE SOP.TGT/THGT-500	PIE SOP.TGT/THGT-500 V	CLAR-500	SIL CZ 500	SIL CZO 500	ACOPEL EX 500/ 160 N	
560	PIE SOP.TGT/THGT-560	PIE SOP.TGT/THGT-560 V	CLAR 560	SIL CZ 560	SIL CZO 560	ACOPEL EX 560/ 160 N	
630	PIE SOP.TGT/THGT-630	PIE SOP.TGT/THGT-630 V	CLAR 630	SIL CZ 630	SIL CZO 630	ACOPEL EX 630/ 160 N	
710	PIE SOP.TGT/THGT-710	PIE SOP.TGT/THGT-710 V	CLAR 710	SIL CZ 710	SIL CZO 710	ACOPEL EX 710/ 180 N	
800	PIE SOP.TGT/THGT-800	PIE SOP.TGT/THGT-800 V	CLAR 800	SIL CZ 800	SIL CZO 800	ACOPEL EX 800/ 180 N	
900	PIE SOP.TGT/THGT-900	PIE SOP.TGT/THGT -900 V	CLAR 900	SIL CZ 900	SIL CZO 900	ACOPEL EX 900/ 180 N	
1000	PIE SOP.TGT/THGT-1000	PIE SOP.TGT/THGT-1000 V	CLAR 1000	SIL CZ 1000	SIL CZO 1000	ACOPEL EX 1000/ 180 N	
1250	PIE SOP.TGT/THGT-1250	PIE SOP.TGT/THGT-1250 V	CLAR 1250	SIL CZ 1250	SIL CZO 1250	ACOPEL EX 1250/ 200 N	

