GTG[®]



ADJUSTABLE PITCH ANGLE AXIAL FAN

Vane Axial





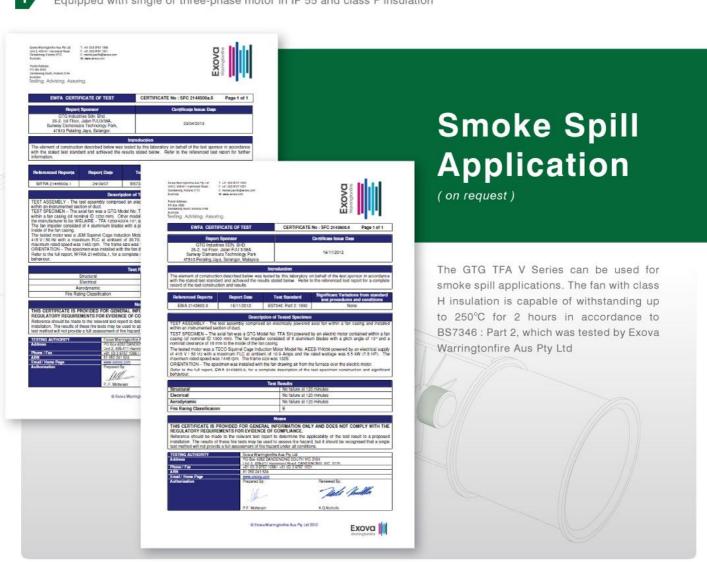
GTG Industries Sdn Bhd certifies that the model: TFA/V shown herein is licensed to bear the AMCA Seal.

The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.



Standard Features

- A High static pressure
- B High air volume
- High efficiency with low energy consumption
- Uniquely designed guide vanes
- Aerofoil impeller featured with adjustable pitch angle
- Precision die cast Aluminium hub and blades
- G High Strength and rigidity spun flanges design
- H Terminal box in IP 55 mounted externally on casing for easy wiring connection
- Equipped with single or three-phase motor in IP 55 and class F insulation



Adjustable Pitch Axial Fans V Series

GTG fully adjustable pitch vane axial fans are available in various sizes from 630mm diameter up to 1400mm diameter. The V series comes with uniquely designed guide vanes that enable the fan to deliver high air volume for high pressure applications at high efficiency.

The wide range of fan diameters, various hub designs and blade configurations, different pitch angles and motor speeds allow accurate selection of the fan to match the specific duty.

Pitch angle adjustment can be readily carried out on site allowing the fan performance to be modified to the final system resistance.

Whilst the standard range of axial fan cover most applications, purposed designed casings and mountings are available.



Standard Product

SPECIFICATION

Guide Vane

Multi vane section designed to serve as static regain device to ensure maximum efficiency in converting the velocity pressure to static pressure with minimal turbulence.

The function of the guide vanes is to improve the efficiency and the pressure characteristics by converting rotational energy at the propeller discharge into useful work.

Impellers

Precision cast aluminium adjustable pitch aerofoil blades are attached to injection cast aluminium hub, incorporate a taper lock bushing and keyed to the motor shaft for easy installation and removal.

Large hub to blade ratio prevents backflow of air and moves large volumes of air at high pressures.

Housings

Heavy gauge, mild steel casing, drum and rolled steel flanges finishes in hot-dipped galvanised (as standard) or epoxy powder coated (on request)

Motors

Motors are 415V / 3 Phase / 50Hz, foot mounted TEA) squirrel cage induction type with class F insulation.

Options are available for a varying range of applications including :

- Single phase
- Special frequency
- Explosion proof
- Speed control
- · High temperature
- · 2 speed
- Smoke spill
- · Thermal overload protection
- Special voltage
- Special insulation

Product Identification

TFA 630/250/14/V-20

TFA - Model Tube Axial

630 - Case Diameter

250 - Hub Diameter

14 - No. of Blades

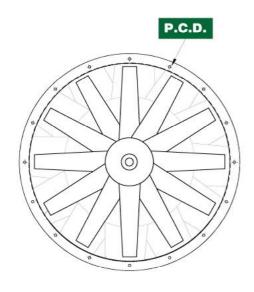
V - Vane Axial Series

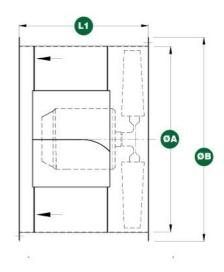
20 - Blade angle

Options

- Inlet and discharge cones
- Inlet and discharge guards
- Flexible Connections
- · Matching flanges
- · Mounting feet
- · Vibration isolation mounts
- Sound attenuators

TFA V Series Dimensions





All Dimension in mm

Model	Electric Motor (kW))				Flange	No of	Approx.	Max. Motor
	6P	4P	2P	L1	ØA	ØB	P.C.D.	Size	Holes	Weight (kg)	Frame Size
TFA 630/250/14/V	-	4.00		450	630	720	678	45	12	43	112M
	-		7.50	525	630	720	678	45	12	50	132M
	-	-	15.00	660	630	720	678	45	12	65	160M
TFA 800/250/14/V	-	5.50	-	525	800	900	856	50	12	69	1328
	-	11.00	15.00	660	800	900	856	50	12	87	160M
		15	22.00	725	800	900	856	50	12	97	180M
TFA 800/350/12/V	-	5.50	*	545	800	900	856	50	12	71	1328
	-	11.00	-	680	800	900	856	50	12	89	160M
	-	-	37.00	845	800	900	856	50	12	114	200L
TFA 1000/350/12/V		22.00	A50	780	1000	1100	1056	50	12	124	180L
	-	30.00	37.00	845	1000	1100	1056	50	16	136	200L
TFA 1250/350/12/V	=	55.00	-	1000	1250	1350	1306	50	16	206	250M
TFA 1400/350/12/V	-	37.00	-	890	1400	1510	1456	55	16	197	2258
		90.00		1190	1400	1510	1456	55	16	266	280M
TFA 1400/420/11/V	-	37.00	-	900	1400	1510	1456	55	16	199	2259
	5	110.00		1250	1400	1510	1456	55	16	293	3158
TFA 1600/420/11/V	22.00	37.00	-	970	1600	1720	1656	60	24	328	2258
	55.00	90.00	-	1125	1600	1720	1656	60	24	405	280N
	-	220.00		1475	1600	1720	1656	60	24	426	3158

^{*} The actual dimension is subject to the motor frame size used, kindly refer to GTG Technical Submittal for further details.
* Weight indicated above excluded the weight of motor, hub and fan blades.