

Vent-Axia Axial Flow Fans (THGT)

Features and Benefits

- Two ratings available either, 200°C/2h to EN12101-3 or 400°C/2h to EN12101-3
- Available in short & long case models
- 500-1250 diameter
- Adjustable pitch (560-1250)
- Single & two speed motor options
- IP55 Class H motors

Range of adjustable pitch case axial fans specifically designed and certified to extract air or smoke at 400°C for a minimum period of 2 hours in the case of a fire.

Certified to EN12101-3 Standards.

Applications

Car parks, Public buildings, Shopping Malls

Casing

Manufactured from hot dipped galvanised steel.

Impeller

Precision die cast aluminium, available with 3, 5, 6, 7 or 9 blades, with adjustable pitch angle depending on diameter. The complete adjustment of this impeller provides precise selection of pressure and airflow.

Motors

Asynchronous, three phase, rated at 400°C/2h and available in four (4) and six (6) poles. Rated at 230/400V for motors up to 3.0kW and 400V 50Hz for those greater.

IP-55, Class H.

Available on request:

- Two (2) speed motors
- Motors rated at 200°C/2h

Performance

Airflow tested in accordance with BS848 Part 1
AMCA 210-85
ASHRAE 51-1985
UNE 100-212-89

General Performance Characteristics

The range is extensive, covering 8 standard duct diameters from 500-1250mm. Airflow range up to 31m³/s Available with 4, 6 pole, single speed motors and 4/8, 6/12 pole, two speed motors.

Accessories

A full range of accessories is available to compliment the fan including

- Duct Connection Flange (ARO-BRIDA)
- Flexible Connections (ACOP-ELAST.)
- Inlet Guards
- Discharge Guards
- Support Feet

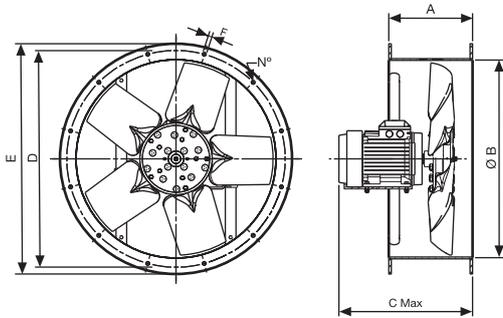
Typical Ordering

Model	Motor Poles	Dia.	No Blades	Blade Pitch	Airflow Direction	Motor 1kW	Fire Rating	Voltage
THGT /	4	- 560 -	5	/ 12L -	B -	0.55 -	E400 -	400V/50Hz

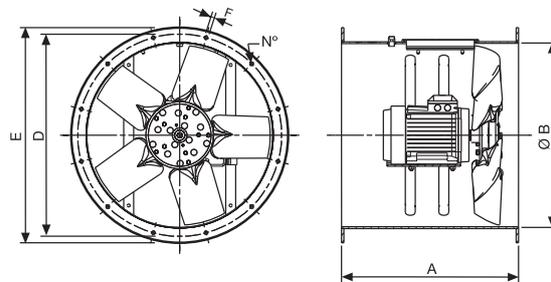


Dimensions (mm)

Short Case



Long Case



Type	A		ØB	C Max.	D	ØE	ØF	N*
	Short casing	Long casing						
THGT-500	180	-	500	390	560	595	12	12
THGT-560	250	600	560	434	620	664	12	12
THGT-630	380	600	630	622	690	734	12	12
THGT-710	270	650	710	512	770	815	12	16
THGT-800	380	650	800	622	860	905	12	16
THGT-900	420	750	900	737	970	1005	15	16
THGT-1000	450	780	1000	767	1070	1105	15	16
THGT-1250	500	1150	1250	985	1320	1355	15	20

For full performance and selection, please contact our Technical Support Team on 0844 856 0595 for details.