

Cylindrical cased axial flow fans> THGT series

THGT

Range of adjustable pitch aerofoil blade, cased axial flow fans designed for smoke extract in fire conditions and certified F400-120, F300-120 and F200-120 (CE marked).

Casings formed from rolled sheet steel with a corrosion resistant hot dipped galvanised finish for all models.

All models F400-120 except 2 poles incorporate separate high grade die-cast aluminium blades locked within an aluminium injected hub (diameters from 400 to 630) or a pressed sheet steel hub. (diameters from 710 to 1250).

F300-120 and F200-120 models incorporate an aluminium injected hub (diameters from 400 to 800) or a pressed sheet steel hub. (diameters from 900 to 1250).

2 POLES F400-120 model with aluminium impeller / hub formed from a one piece casting.

All models are available in both short and long casing versions except 2 poles F400-120 model only supplied with long casing.

Short casing versions are available with or without external terminal box (for ease of connection).

Long casing versions are available with external terminal box or with a large inspection door fitted (that enables access to the motor terminal box for electrical connection).

All options available for each fan will be suggested when you will configure it. Air direction: form B (impeller over motor) and form A (motor over impeller) are available for all the fans.

Suitable for horizontal or vertical airflow installation.



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.

F400-120 motors are IP55, class H insulation.

F300-120 motors are IP55, class H insulation.

F200-120 motors are IP55, class F insulation.

Electrical supplies:

 Three phase 220-240/380-415-50/60* Hzz up to 3 kW.

 Three phase 380-415V-50Hz, for higher power motors and two speed motors.

Motors suitable for inverter control.

In emergency operation, direct protected power supply.

On demand: 4/6 poles 2-speed motors.

Attributes



Motor approved S1 and S2

F400-120, F300-120 or F200-120 certified motors approved for running continuously (S1) or for emergency operation (S2).

**Corrosion resistance**

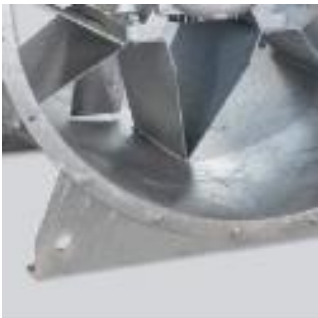
Casings formed from rolled sheet steel with a corrosion resistant hot dip galvanised finish.

**Motor support**

Manufactured from galvanised 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.

**Motor support (1400 and 1600 mm diameter):**

Welded on the fan casing. The whole assembly with a corrosion resistant hot dip galvanised finish.

**Impeller dynamically balanced**

According to ISO 1940 standard, providing vibration free operation.



Wide blade design higher pressure

Wide blade design to ensure the highest efficient airflow performances.

F400-120: Configuration 1: from 400 to 630 models.

Configuration 2: from 710 to 1600 models.

F200-120 / F300-120: Configuration 1: from 400 to 800 models.

Configuration 2: from 900 to 1600 models.



Terminal box

External terminal box to ease the electrical connection (K and L versions - standard for 1400 and 1600 mm diameters).