

# THT/CL-125-4T/6-60-F-300 IE3

Code: 1272934



## 400 °C/2h and 300 °C/2h tubular axial extractor fans with long casing and external terminal boxes

Tubular axial extract fans with long casing for immersed operation in fire risk zones.

### Fan:

- Tubular casing in sheet steel with external terminal box (Cable box) and inspection hatch.
- Variable angle impeller made of cast aluminium.
- Approved in accordance with standard EN 12101-3, with certifications no.: 0370-CPR-0305 (F400) and 0370-CPR-0973 (F300).
- Airflow direction from motor to impeller.

### Motor:

- Class H motors for S1 continuous operation and S2 emergency use. With ball bearings, IP55 protection and 1 or 2 speeds, depending on model.
- Motors with IE3 efficiency for powers equal to or greater than 0.75 kW, except single-phase, 2-speed and 8-pole.
- Three-phase with IE4 efficiency for power from 75 kW to 200 kW, except 2-speed and 8-pole.
- Three-phase 230/400 V 50 Hz (up to 3 kW) and 400/690 V 50 Hz (powers greater than 3 kW).
- Maximum temperature of air to be carried: S1 -25 °C +40 °C continuous service, also suitable for warm climates with temperatures up to 50 °C. S2 operation, 300 °C/2h, 400 °C/2h.

### Finish:

- Anti-corrosive finish in polyester resin, polymerised at 190 °C, after degreasing with phosphate-free nanotechnology treatment.

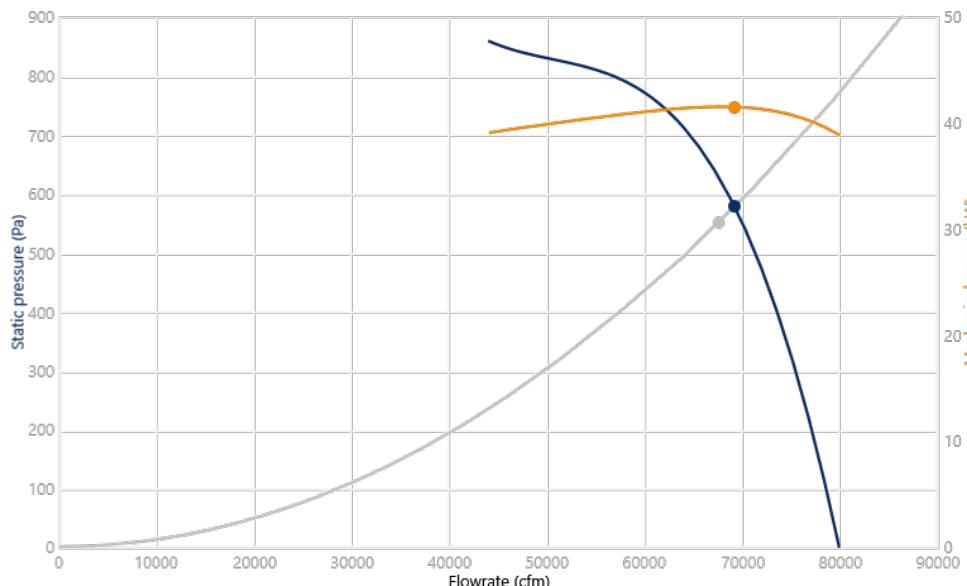
### Available versions:

- THT: Tubular axial fans with short casing.

### On request:

- Airflow direction from impeller to motor.
- 100% reversible impellers.

## CHARACTERISTIC CURVE AND ACOUSTICS AT 1.2KG/M<sup>3</sup>



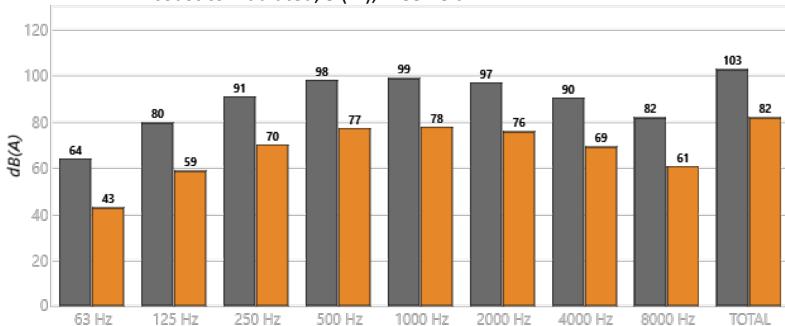
### Design Point

Q (cfm)	67500
Ps (Pa)	550

### Service Point (SP)

Q (cfm)	69204
Ps (Pa)	578.1
Pd (Pa)	425
Pt (Pa)	1003
Impeller (rpm)	1475
Blade Inclination (°)	28
Max. Temp. (°C)	40
Outlet air speed (m/s)	26.61
Mechanical efficiency (Pt) (%)	79.14
SFP (kW/m <sup>3</sup> /s)	1.348
Mechanical power (kW)	41.4

## Acoustics: Radiated, 3 (m), Free field



## Values

■ Sound Power Level  
Lw dB(A)  
■ Sound Pressure Level  
Lp dB(A)

Band	Lw dB(A)	Lp dB(A)
63 Hz	64	43
125 Hz	80	59
250 Hz	91	70
500 Hz	98	77
1000 Hz	99	78
2000 Hz	97	76
4000 Hz	90	69
8000 Hz	82	61
<b>TOTAL</b>	<b>103</b>	<b>82</b>

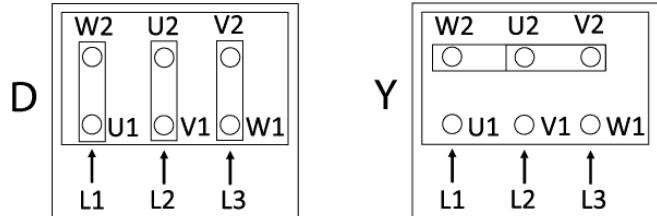
## TECHNICAL CHARACTERISTICS

Airflow maximum (cfm)	79941
Speed (rpm)	1475
Maximum static pressure (Pa)	858.6
Maximum total pressure (Pa)	1090

## MOTOR DATA

Rated Mechanical Power (kW)	45
Hz/phases	50/3
Motor (rpm)	1475
Poles	4P
Max. current (A) 380-415 V D	80.9
Max. current (A) 660-725 V Y	46.9
Motor protection	IP55
Motor class	F300
Motor frame size	225S/M

Data can change, please check motor plate



## DIMENSIONS

ØA	ØB	ØD	E	F	ØJ	N
1365	1320	1250	1000	-	15	20x18°

Dimensions without explicitly defined units are shown in millimeters (mm). Dimensions depending on the motor are approximate

Approx. weight (kg)	599
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