

THT/CL-40-4T-0.75-F-400

Code: 1122981



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 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.

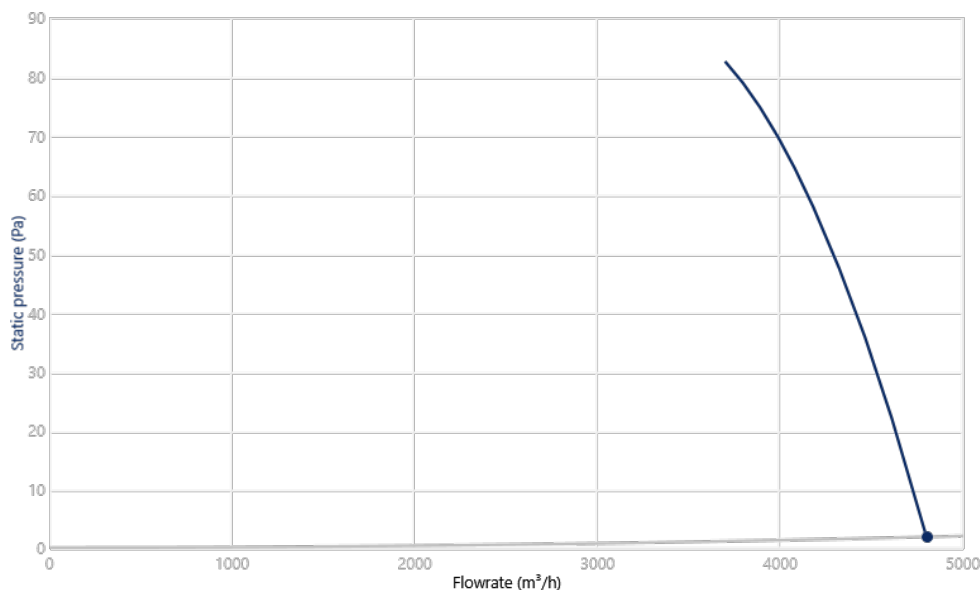
Available versions:

- 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/M³



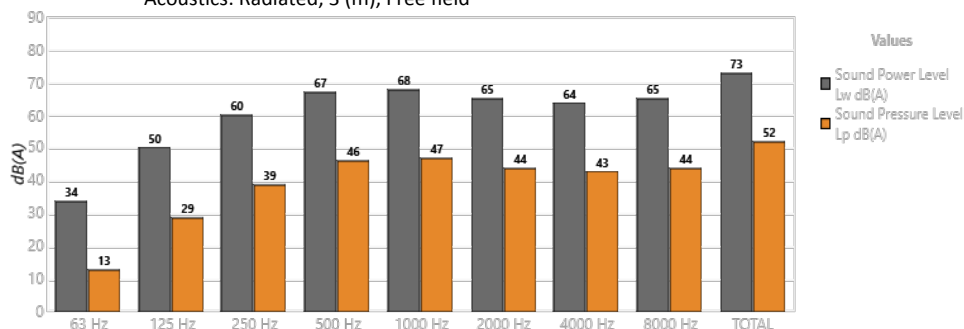
Design Point

Q (m³/h)	4800
Ps (Pa)	1.8

Service Point (SP)

Q (m³/h)	4800
Ps (Pa)	1.8
Pd (Pa)	67.55
Pt (Pa)	69.35
Impeller (rpm)	1420
Blade Inclination (°)	32
Max. Temp. (°C)	40
Outlet air speed (m/s)	10.61
Mechanical efficiency (Pt) (%)	42.15
SFP (kW/m³/s)	0.2082
Mechanical power (kW)	0.2194

Acoustics: Radiated, 3 (m), Free field



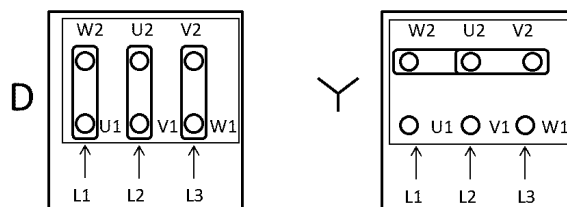
Band	Lw dB(A)	Lp dB(A)
63 Hz	34	13
125 Hz	50	29
250 Hz	60	39
500 Hz	67	46
1000 Hz	68	47
2000 Hz	65	44
4000 Hz	64	43
8000 Hz	65	44
TOTAL	73	52

TECHNICAL CHARACTERISTICS

Airflow maximum (m ³ /h)	4800
Speed (rpm)	1420
Maximum static pressure (Pa)	82.55
Maximum total pressure (Pa)	122.6

MOTOR DATA

Rated Mechanical Power (kW)	0.55
Hz/phases	50/3
Motor (rpm)	1425
Poles	4P
Max. current (A) 380-400 V Y	1.4
Max. current (A) 220-240 V D	2.42
Motor protection	IP55
Motor class	F400
Motor frame size	80M



Data can change, please check motor plate

DIMENSIONS

ØA	ØB	ØD	E	F	ØJ	N
490	450	410	400	-	12	8x45°

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

Approx. weight (kg)	32
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