

# TUNNEL JET FAN



**Jet fans especially designed for tunnel ventilation. 400°C/2h, 300°C/2h and 200°C/2h Certificates according to model**

Powerful jet fans especially designed for tunnels ventilation for the smoke extraction in case of fire 400°C/2h, 300°C/2h and 200°C/2h according to model.

Robust single-direction jet fan with cast-aluminium impeller for medium thrust. 400°C/2h, 300°C/2h and 200°C/2h Certificates



**Fan:**

- Sheet steel thick long casing
- Motor base welded to the casing
- Aerodynamic inlet and discharge cone.
- Optimum surface protection by means of high-quality steel.
- Single-direction, cast aluminium impeller
- Tubular silencer connected to both ends which provides a high degree of thermal and acoustic insulation.
- Base plate especially designed to support the entire unit. From diameter 560mm upwards supplied with anti-vibration damper springs
- Electrical connection in outside terminal board.
- E90-type cable with metallic protection.
- Stand based or bed based according to model, included in the set
- Vibration dampers
- Safety anchorage included
- Approval according to Standard: EN 12101-3:2002/AC:2006, with certification No 0370-CPR-0305.



**Motor:**

- Class H motors, ongoing use S1 and emergency use S2, with ball bearings and IP55 protection
- Three-phase 400/690V -50Hz.
- Max. air temperature to transport: S1 Service -20°C+ 70°C for ongoing use, S2 Service 400°C/2h, 300°C/2h and 200°C/2h

**Finish:**

- High-protection, anti-corrosion steel, specially primed and high-quality paint for corrosive environments.

**On request:**

- Standardised IP-55 motors, ATEX motors and two speeds
- Made entirely from stainless steel.
- Hot-rolled galvanised steel construction

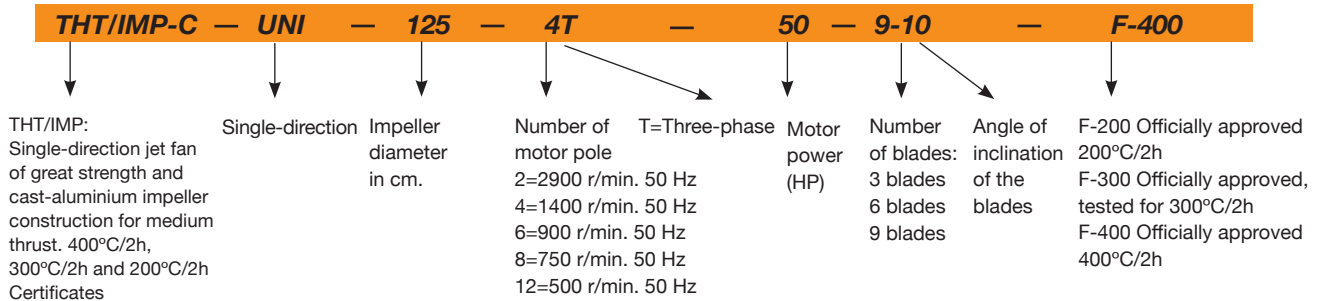
High performance impeller



Guidelines for pressure gain



## Order code

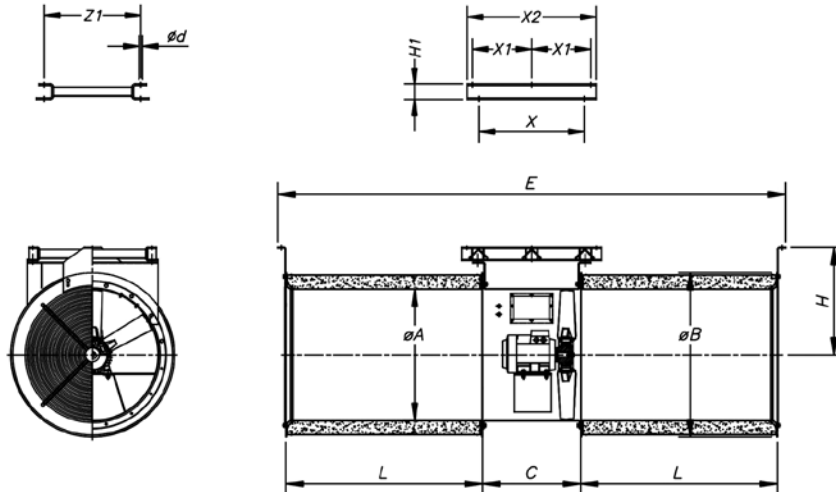


## Technical characteristics

Model	Speed (r/min)	Maximum admissible current 400V (A)	Airflow (m <sup>3</sup> /h)	Thrust (N)	Speed Impulsion (m/s)	Power installed (kW)	LpA sound pressure at 10m dB(A)	Approx. weight (Kg)
THT/IMP-C-UNI-56-2T-12	2950	19,20	29500	312	37,6	9,00	64	273
THT/IMP-C-UNI-56-4T-2	1425	3,80	14550	76	16,4	1,50	50	197
THT/IMP-C-UNI-63-2T-22	2960	32,30	40050	455	37,1	16,00	68	323
THT/IMP-C-UNI-63-4T-3	1435	5,30	21550	132	19,2	2,20	53	241
THT/IMP-C-UNI-71-4T-4	1430	6,60	28550	182	20,0	3,00	65	279
THT/IMP-C-UNI-80-4T-5,5	1440	8,40	36900	239	20,4	4,00	63	414
THT/IMP-C-UNI-90-4T-10	1460	17,70	52000	375	22,7	7,50	65	495
THT/IMP-C-UNI-100-4T-15	1455	23,00	66500	497	23,5	11,00	63	667
THT/IMP-C-UNI-125-4T-30	1470	42,00	98100	692	22,2	22,00	59	980
THT/IMP-C-UNI-125-4T-50	1480	73,00	123700	1101	28,0	37,00	62	1110

## Dimensions in mm

### THT/IMP-C



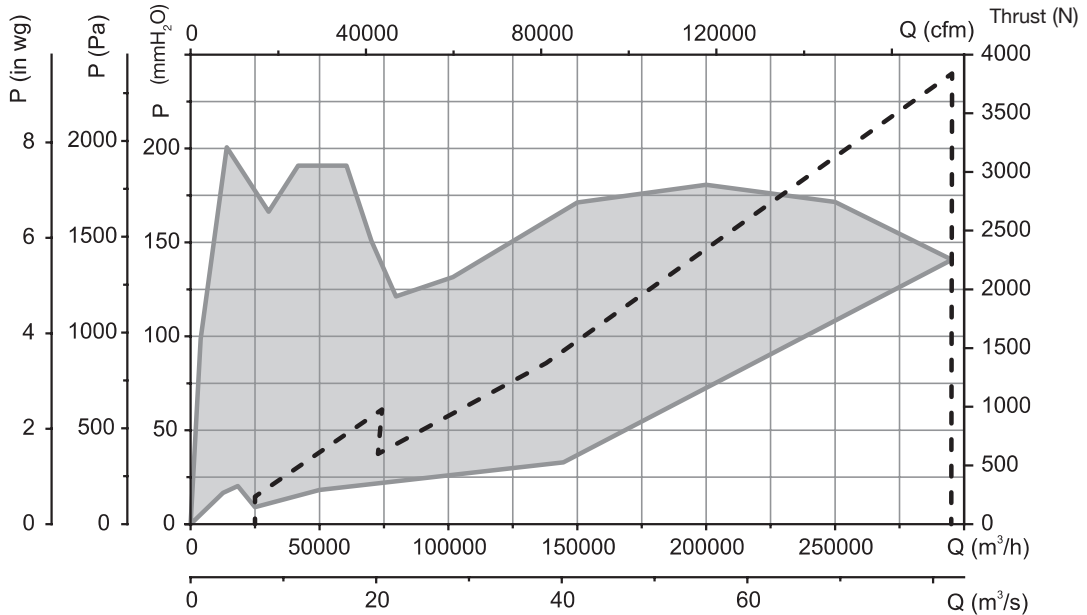
Model	ØA	ØB	C	L	Ød	E	H	H1-	X	X1	X2	Z	Z1
THT/IMP-C-56	560	750	500	1200	12	3093	503	80	558	345	750	475	465
THT/IMP-C-63	640	800	650	1200	14	3242	525	80	706	418	900	550	545
THT/IMP-C-71	710	900	500	1200	14	3092	600	80	558	345	750	475	465
THT/IMP-C-80	800	1000	600	1200	14	3104	655	80	656	395	855	730	730
THT/IMP-C-90	900	1100	600	1200	14	3105	675	80	677	405,5	876	825	825
THT/IMP-C-100	1000	1200	700	1200	14	3205	730	80	767	450	965	884	884
THT/IMP-C-125	1250	1503	650	1350	17	3455	953	100	717	575	1250	1150	1150

## Characteristic curves

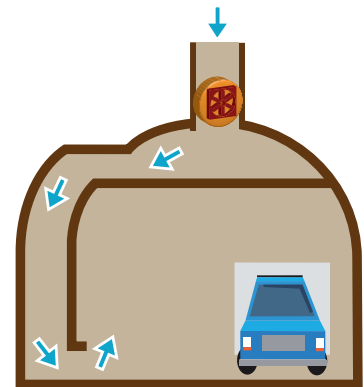
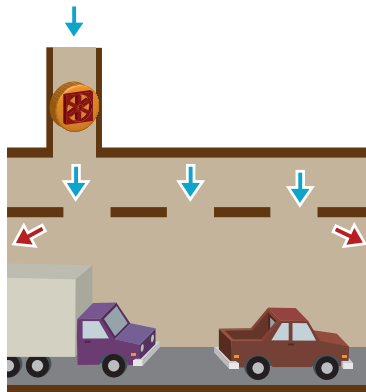
Q = Airflow in m<sup>3</sup>/h, m<sup>3</sup>/s and cfm.

Pe = Static pressure in mmH<sub>2</sub>O Pa and inwg.

— Pressure - - - Thrust (N)



## Examples of use



## Accessories

See accessories section



INT

IAT

CABLE BOX

C2V

AET

AR

CENTRAL CO

VSD

P-400

R/VMSF

RT