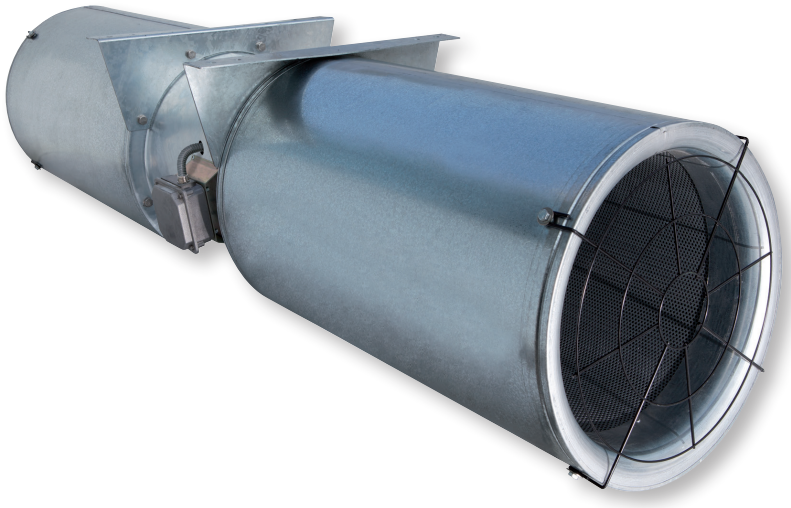


Unidirectional axial jet fans, to induce air or smoke movement in large spaces.
Certified F300-120 and F200-120 accordance with EN 12101-3.
Air performance (free-field and thrust conditions) and acoustic data obtained accordance with ISO 13350.

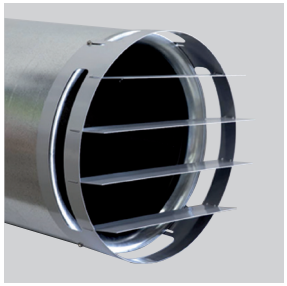
Description
Diameters from 450 to 630 mm.
Variable pitch angle impellers dynamically balanced in accordance with ISO 14694: G 6.3, with aerofoil blades and hub made from high grade aluminium in accordance with EN 1706.
Fan casing and 2 mounting feet made in steel in accordance with EN 10130-99, and hot dip galvanized in accordance with EN 1461: 1999.
With external terminal box for ease of connection (standard) or isolator (optional).
Two circular sound attenuators in galvanized sheet steel.
Supplied with inlet and outlet steel guards.
For transportation, diameter 450 is supplied complete. Diameter from 500 to 630 can be supplied in 3 parts.

Motors
Three phase motors 400V/50Hz, IP55, class H insulation, F300-120.
Two speed 2/4 pole Dahlander winding, or singe speed 2 poles.
Ambient temperature: -20ºC to +40ºC.

On request
Single speed IE3 2, 4 or 6 poles motor.
Inlet guard and steel discharge deflector (accesory).
Factory fitted IP65 isolator with auxiliary contacts in place of electrical terminal box. Isolator also available as an accessory for use with standard terminal box fan.
External painting to RAL colour.
Motors with PTC thermistor or heating resistors.
TGT-JFU version for ventilation only.



Two protection guards fitted as standard.



Optional deflector
on outlet.



External terminal box for ease of connection.



Optional isolator
Electrical isolator fitted to fan for security, IP65, F300, or as an accessory.

Specific applications

F300/F200-120

Officially approved to EN12101-3. 0370-CPR-6213

Tunnels

REFERENCE

T H G T	/	2/4	-	4 5 0	C/I	B	2,2/0,5kW	400 V	50 Hz	F300/F200	IE1	VE
1		2		3	4	5	6	7	8	9	10	11

1 - Series: THGT-JFU
2 - Motor speed (poles)
3 - Nominal diameter
4 - C = Terminal box (standard). I = Isolator (optional).
5 - Form B
6 - Motor power
7 - Nominal electrical supply
8 - Frequency (Hz)
9 - Temperature class
10 - Motor efficiency
11 - ErP exempt

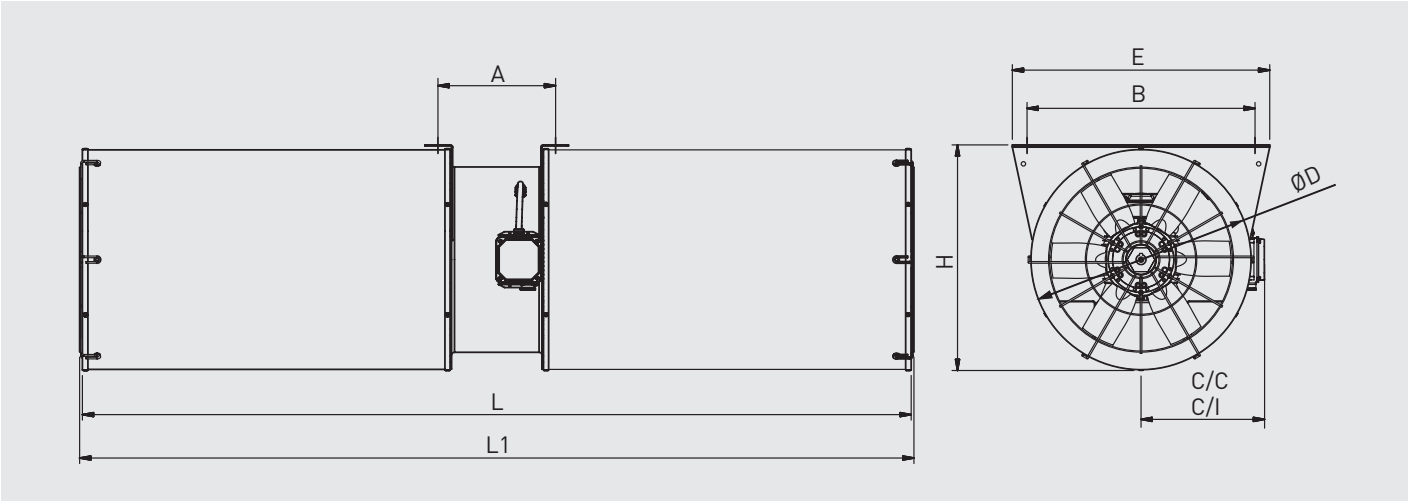
TECHNICAL CHARACTERISTICS

Before installation check that the product electrical characteristics listed on the data plate label (voltage, power, frequency, etc.) match those of the intended electrical supply.

Model	Speed (r.p.m.)	Thrust (N)	Airflow (m^3/h)	Air velocity (m/s)	Motor power* (kW)	Maximum absorbed current* (A)	Sound pressure level** (LpA) Form B	Weight (kg)
THGT-JFU - 2 speeds 2/4 POLE								
THGT-JFU/2/4-450 BC	2860/1425	88/23	12.600/6.200	22/11	2,2/0,5	4,6/1,5	61/43	89
THGT-JFU/2/4-450 BI	2860/1425	88/23	12.600/6.200	22/11	2,2/0,5	4,6/1,5	61/43	89
THGT-JFU/2/4-500 BC	2890/1440	139/38	17.550/8.900	25/13	4,4/1,1	8,6/2,8	62/45	133
THGT-JFU/2/4-500 BI	2890/1440	139/38	17.550/8.900	25/13	4,4/1,1	8,6/2,8	62/45	133
THGT-JFU/2/4-560 BC	2920/1460	233/62	25.500/12.850	29/14	8,0/2,0	15,3/4,8	67/50	181
THGT-JFU/2/4-560 BI	2920/1460	233/62	25.500/12.850	29/14	8,0/2,0	15,3/4,8	67/50	181
THGT-JFU/2/4-630 BC	2950/1470	359/96	36.400/17.950	32/16	16,0/4,0	30,5/9,6	73/68	304
THGT-JFU/2/4-630 BI	2950/1470	359/96	36.400/17.950	32/16	16,0/4,0	30,5/9,6	73/68	304
THGT-JFU - 1 speed 2 POLE								
THGT-JFU/2-450 BC	2880	88	12.600	22	2,2	4,43	61	89
THGT-JFU/2-450 BI	2880	88	12.600	22	2,2	4,43	61	89
THGT-JFU/2-500 BC	2900	139	17.550	25	4	7,59	62	133
THGT-JFU/2-500 BI	2900	139	17.550	25	4	7,59	62	133
THGT-JFU/2-560 BC	2930	233	25.500	29	7,5	14,1	67	181
THGT-JFU/2-560 BI	2930	233	25.500	29	7,5	14,1	67	181
THGT-JFU/2-630 BC	2945	359	36.400	32	15	27,7	73	304
THGT-JFU/2-630 BI	2945	359	36.400	32	15	27,7	73	304

* May depend on motor used.
** Sound pressure at 3 m.

DIMENSIONS (mm)



C/C: version with terminal box (standard). C/I: version with isolator (optional).

Model	A	B	C/C	C/I	D	E	H	L	L1
450	310	556	308	360	536	636	555	1754	1769
500	320	620	336	390	600	700	614	2254	2269
560	350	680	366	415	660	760	674	2684	2699
630	769	750	421	470	730	830	744	3104	3119

ACOUSTIC CHARACTERISTICS

Sound power levels LwA ref. 1pW tested in accordance with ISO13350.

THGT-JFU (2 pole)

Form B	63	125	250	500	1000	2000	4000	8000	LwA
450	64,7	69,1	81,5	78,6	81,6	80,2	75,1	69,2	87,5
500	72	73,1	82	76,1	78,6	81,2	81,9	77,2	88,5
560	74,6	79,4	87,1	81	83,3	86,3	86,2	82,6	93,4
630	78,8	81,3	92,6	87,3	90,3	92,7	92,1	89	99,4

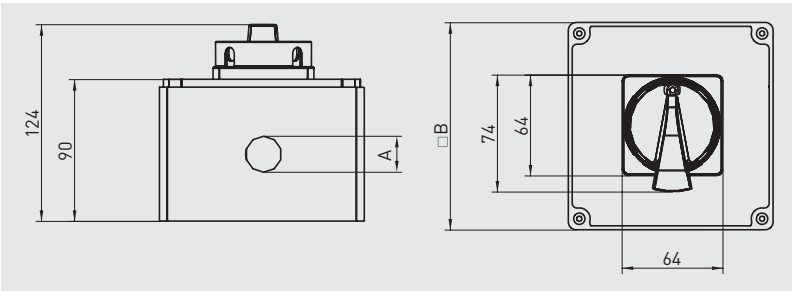
THGT-JFU (4 pole)

Form B	63	125	250	500	1000	2000	4000	8000	LwA
450	46,9	65,9	62,9	63,7	59,9	61,1	62	56,2	71,2
500	52	65	63,6	59,6	61	65,4	63,6	56,8	71,9
560	60,4	69,9	70	64,5	64,9	67,7	66,8	61,1	76,2
630	64	74	73,7	70,6	71,6	74,9	73,1	68,3	81,8

ACCESORIES



INT-25/6P-F300
INT-40/6P-F300
ON/OFF switches to work immersed at 400ºC/2h.
Aluminum enclosure.
Maximum intensity allowed depending on Model, from 25A to 125A.
To apply to 3x380V / 3x440V motors.
Frequency: 50-60Hz.
IP65.



Model	A	B
INT-25/6P-F300	M25	100
INT-40/6P-F300	M25	130