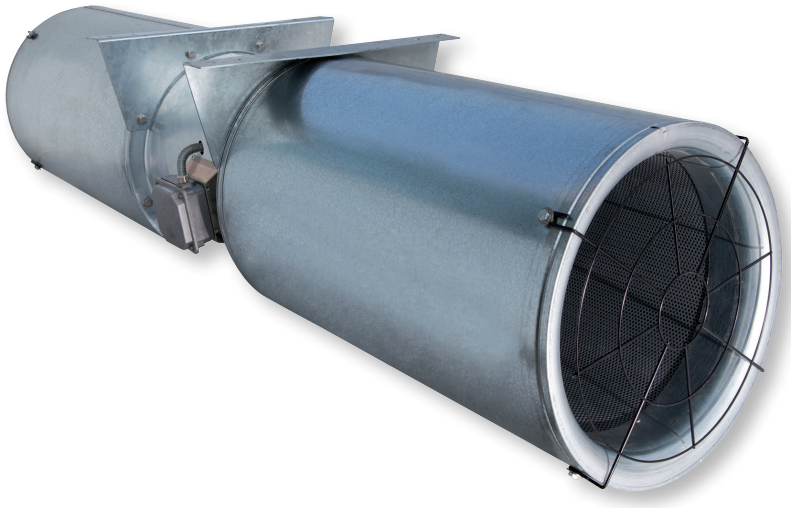


Unidirectional axial jet fans, to induce air movement in large spaces.
Air performance (free-field and thrust conditions) and acoustic data obtained accordance with ISO 13350.

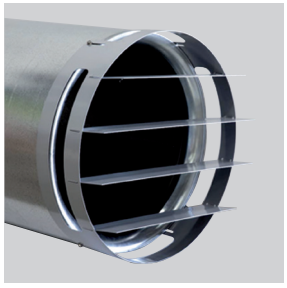
Description
Diameters from 450 to 630 mm.
Variable pitch angle impellers dynamically balanced in accordance with ISO 14694: G 6.3, with aerofoil blades and hub made from high grade aluminium in accordance with EN 1706.
Fan casing and 2 mounting feet made in steel in accordance with EN 10130-99, and hot 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 F insulation.
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.



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 or as an accessory.

REFERENCE

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

1 - Series: TGT-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 - Motor efficiency
10 - Exempt ERP

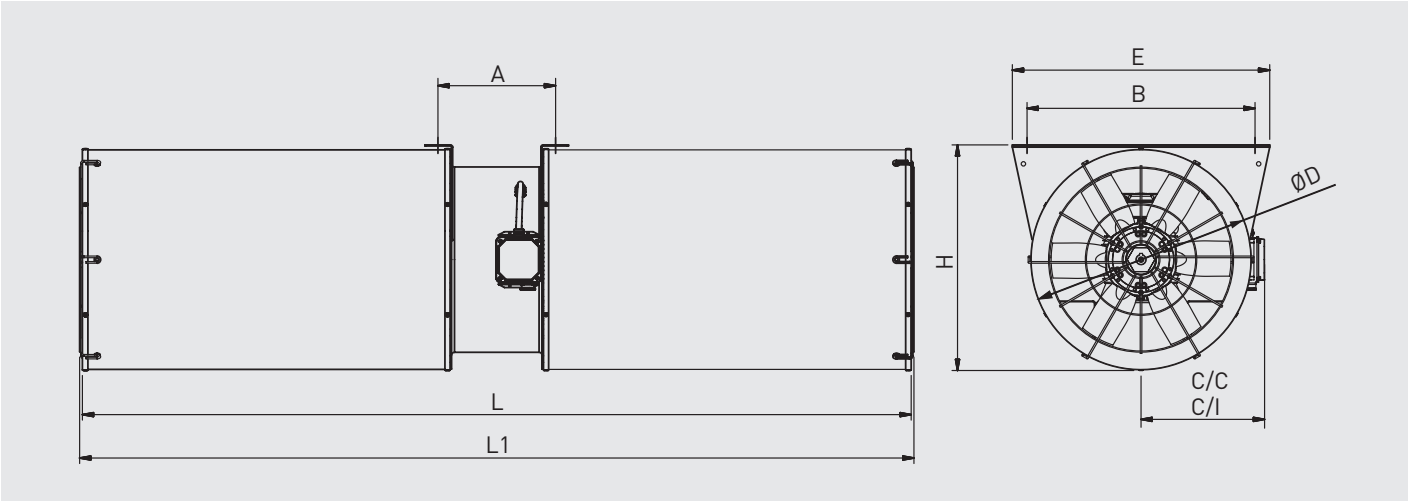
TECHNICAL CHARACTERISTICS

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)
TGT-JFU - 2 speeds 2/4 POLE								
TGT-JFU/2/4-450 BC	2845/1420	88/23	12600/6200	22/11	2,2/0,5	4,63/1,54	61/43	89
TGT-JFU/2/4-450 BI	2845/1420	88/23	12600/6200	22/11	2,2/0,5	4,63/1,54	61/43	89
TGT-JFU/2/4-500 BC	2890/1440	139/38	17550/8900	25/13	4,4/1,1	8,59/2,79	62/45	133
TGT-JFU/2/4-500 BI	2890/1440	139/38	17550/8900	25/13	4,4/1,1	8,59/2,79	62/45	133
TGT-JFU/2/4-560 BC	2930/1470	233/62	25500/12850	29/14	8/2	15,3/4,83	67/50	181
TGT-JFU/2/4-560 BI	2930/1470	233/62	25500/12850	29/14	8/2	15,3/4,83	67/50	181
TGT-JFU/2/4-630 BC	2950/1470	359/96	36400/17950	32/16	16/4	30,5/9,57	73/68	304
TGT-JFU/2/4-630 BI	2950/1470	359/96	36400/17950	32/16	16/4	30,5/9,57	73/68	304
TGT-JFU - 1 speed 2 POLE								
TGT-JFU/2-450 BC	2880	88	12600	22	2,2	4,43	61	89
TGT-JFU/2-450 BI	2880	88	12600	22	2,2	4,43	61	89
TGT-JFU/2-500 BC	2900	139	17550	25	4	7,6	62	133
TGT-JFU/2-500 BI	2900	139	17550	25	4	7,6	62	133
TGT-JFU/2-560 BC	2930	233	25500	29	7,5	13,9	67	181
TGT-JFU/2-560 BI	2930	233	25500	29	7,5	13,9	67	181
TGT-JFU/2-630 BC	2945	359	36400	32	15	28	73	304
TGT-JFU/2-630 BI	2945	359	36400	32	15	28	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.

TGT-JFU (2 poles)

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

TGT-JFU (4 poles)

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



LxAxH (mm): 85 x 90 x 120

PARO/MARCHA 5P and PARO/MARCHA 8P
ON/OFF Electrical isolation switch.
PARO/MARCHA 5P (ON/OFF 5P): Five pole electrical isolation switch. One speed motor application (3 wires). Maximum absorbed current: 20A. Open / close position reset.
IP66 / IP67 protection.
3x380V / 3x440V motors.
1x220-240V motors.
PARO/MARCHA 8P (ON/OFF 8P): Eight pole electrical isolation switch. Two speed motor application (6 wires). Maximum absorbed current: 20A. Open / close position reset.
IP55 protection.
3/380-440V motors.