

CONTRAFOIL™ CONTRA-ROTATING AXIAL FLOW FANS

TCBBx2 / TCBTx2



Range of cylindrical cased axial fans fitted with aluminium impellers and manufactured from high grade rolled galvanised steel and protected against corrosion by cataforesis primer and black polyester paint finish. Fitted with two contra-rotating complementary impellers manufactured from die-cast aluminium.

All models are supplied with pre-wired wiring junction box located on the outside of the fan casing for easy wiring access.

Available with single or three phase 4 pole motors.

Motors

All the motors are IP65, Class F insulation (1), equipped with thermal protection.

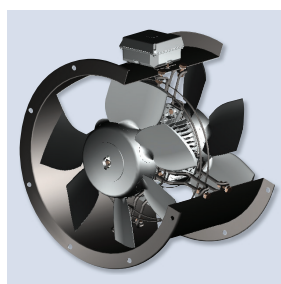
Single phase motors, except 630mm, are speed controllable but must be wired in three wire control. Three phase motors suitable for inverter control.

Electrical supplies:

Single phase 230V-50Hz

Three phase 230/400V-50Hz.

(1) Working temperatures from -40°C up to 70°C.



Contra-rotating: High pressure

Contra-rotating system with two complementary impellers allowing the duplication of the pressure with the same air volume.



Terminal box

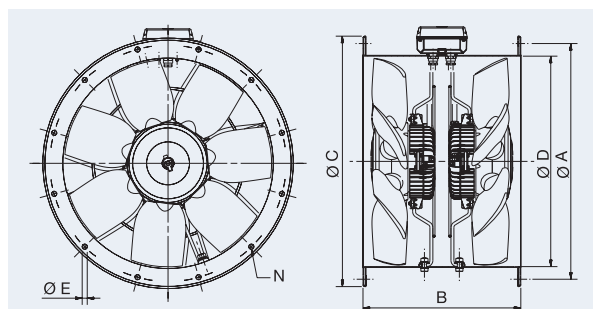
Wiring terminal box with cable gland PG-11.

SFP
<1.0W/l/s

PART L2: 2013
COMPLIANT



DIMENSIONS (mm)



Model	Ø A	B	Ø C	Ø D	Ø E	Number of holes N
450	500	375	537	450	12	8
500L	560	375	595	500	12	12
500	560	520	595	500	12	12
560	620	520	655	560	12	12
630	690	520	725	630	12	12

TECHNICAL DATA

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.)	Maximum absorbed power (W)	Maximum absorbed current (A)		Sound pressure level* (dB(A))	Maximum air volume (m³/h)	Weight (Kg)	Speed controller REB/ RMT	Frequency inverter	
			230 V	400 V					VFKB	
									1/230V**	3/400V

SINGLE PHASE

TCBBx2/4-450	1420	1316	5.7	-	67	7430	42	REB-6	-	-
TCBBx2/4-500L	1150	1400	6.2	-	68	8000	50	REB-8	-	-
TCBBx2/4-500	1425	1957	9.0	-	70.5	9950	50	REB-10	-	-
TCBBx2/4-560	1425	3185	14.2	-	73	14150	66	REB-16	-	-
TCBBx2/4-630	1400	3671	16.3	-	75	16560	80	-	-	-

THREE PHASE

TCBTx2/4-450	1430	1309	5.2	3	67	7250	42	RMT-5	VFKB 27	VFKB 45
TCBTx2/4-500	1390	1700	5.8	3.3	70.5	9400	50	RMT-5	VFKB 27	VFKB 45
TCBTx2/4-560	1420	3173	10.0	5.6	73	14080	66	-	VFKB 29	VFKB 48
TCBTx2/4-630	1445	4014	12.8	7.4	75	17810	80	-	-	VFKB 48

* Sound pressure level. measured in free field condition at a distance of 3m ** Only for fans fitted with three phase motors 230/400V.

PERFORMANCE DATA

Airflow m³/s @ Static Pressure Pa

Model	0	50	100	150	200	250	300	350	400	450	500	550
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SINGLE PHASE 4 POLE

TCBBx2/4-450	2.070	2.005	1.938	1.868	1.790	1.701	1.601	1.497	1.379			
TCBBx2/4-500L	2.222	2.139	2.028	1.889	1.764	1.528	1.394	1.111	0.833			
TCBBx2/4-500	2.722	2.632	2.542	2.447	2.348	2.243	2.133	2.020	1.900	1.747		
TCBBx2/4-560	3.931	3.830	3.726	3.619	3.503	3.375	3.231	3.078	2.927	2.782	2.624	2.322
TCBBx2/4-630	4.600	4.471	4.341	4.209	4.075	3.936	3.792	3.640	3.478	3.300	3.093	2.804

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TCBTx2/4-630	4.600	4.471	4.341	4.209	4.075	3.936	3.792	3.640	3.478	3.300	3.093	2.804

TCBB/TX2 CONTRAFOIL CONTRA ROTATING CASED AXIAL FAN TRADE PRICES



Code	Model	Trade Price	Electronic Speed Controller	Trade Price	Transformer Speed Controller	Trade Price	Inverter VFD 1Ph in to 3Ph out *	Trade Price	Inverter VFD 3Ph in to 3Ph out IP65	Trade Price	DOL Starter	Trade Price
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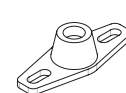
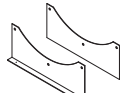
SINGLE PHASE 4 POLE

5605764700	TCBBx2/4-450	£718.55	REB-6	£110.25	RMB-8	£236.50						
5605385300	TCBBx2/4-500L	£763.83	REB-8	£192.23	RMB-10	£316.98						
5605766800	TCBBx2/4-500	£848.87	REB-10	£195.40	RMB-10	£316.98						
5605767200	TCBBx2/4-560	£952.33	REB-16	£306.60								
5605765200	TCBBx2/4-630	£1,216.74										

THREE PHASE 4 POLE

5605765000	TCBTx2/4-450	£757.93			RMT-5	£573.69	VFKB 27	£622.89	VFKB 45	£648.45	MSD 0-25A	£161.70
5605766600	TCBTx2/4-500	£821.26			RMT-5	£573.69	VFKB 27	£622.89	VFKB 45	£648.45	MSD 0-25A	£161.70
5605766700	TCBTx2/4-560	£983.82					VFKB 29	£616.90	VFKB 48	£683.74	MSD 0-25A	£161.70
5605772900	TCBTx2/4-630	£1,119.13							VFKB 48	£683.74	MSD 0-25A	£161.70

* Inverter VFD option for 230V~50Hz Single Phase Input & 230V~50Hz Three Phase Output



Model	Ancillary Packs	Trade Price	Mounting Feet (Pair)	Trade Price	Matching Flange	Trade Price	Flexible Connector	Trade Price	AV Mounts (Set of 4)	Trade Price
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TCBB / T x2/4-450	SPANC-450	£154.00	PIE-450	£24.40	BRIDA-450 Flange	£31.52	ACOPEL F400 450 N	£26.29	KSE-45	£30.80
TCBBx2/4-500L	SPANC-500	£165.00	PIE-500	£26.36	BRIDA-500 Flange	£33.50	ACOPEL F400 500 N	£28.12	KSE-45	£30.80
TCBB / T x2/4-500	SPANC-500	£165.00	PIE-500	£26.36	BRIDA-500 Flange	£33.50	ACOPEL F400 500 N	£28.12	KSE-45	£30.80
TCBB / T x2/4-560	SPANC-560	£176.00	PIE-560	£28.12	BRIDA-560 Flange	£39.40	ACOPEL F400 560 N	£29.59	KSE-45	£30.80
TCBB / T x2/4-630	SPANC-630	£187.00	PIE-630	£30.00	BRIDA-630 Flange	£44.66	ACOPEL F400 630 N	£32.66	KSE-45	£30.80