



Contra-rotating cased axial fan type TCBTX2 / TCBBX2

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 2 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 poles motors.

Brand

Soler & Palau

Application

- Contra rotating: High pressure

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

Composition

- Motors
- All the motors are IP65, Class F insulation (1), equipped with thermal protection.
- Single phase motors are variable voltage - TCBB 230V-50HZ (Capacitor located inside motor terminal box)
 - Three phase motors suitable for inverter control TCBT 230/400V-50Hz.

Air performance data													
Technical Characteristics										Variable frequency inverter			
Model	Speed (rpm)	Diameter (mm)	Maximum absorbed power (W)	Maximum absorbed current (a)		Sound pressure level* (dB(a))	Maximum air volume (m3/h)	Weight (kg)	Speed controller rMB/T	VFTM		VFKB	
				To 230 V	To 400 V								
SINGLE PHASE													
TCBBX2/4-450	1420	450	1316	5.7	–	74	7430	42	RMB-8	–	–	–	–
TCBBX2/4-500	1370	500	1957	9	–	76	9950	50	RMB-10	–	–	–	–
TCBBX2/4-560	1370	560	2972	13.6	–	78	13930	66	–	–	–	–	–
TCBBX2/4-630	1400	630	3671	16.3	–	79	16560	80	–	–	–	–	–
THREE PHASE													
TCBTX2/4-450	1430	450	1309	5.2	3	74	7250	42	RMT-5	VFTM MONO 1,1	VFTM TRI 1,1	VFKB 27	VFKB 45
TCBTX2/4-500	1390	500	1700	5.8	3.4	76	9800	50	RMT-5	VFTM MONO 1,1	VFTM TRI 1,5	VFKB 27	VFKB 45
TCBTX2/4-560	1390	560	3173	10	5.8	78	15170	66	–	VFTM MONO 2,2	VFTM TRI 3	–	VFKB 48
TCBTX2/4-630	1445	630	4014	-	7.4	79	17810	80	–	–	VFTM TRI 4	–	VFKB 48