

COMPACT TCBB

Cylindrical Cased Axial Flow Fans



2
YEAR

IP54
RATED

IP65
RATED

About

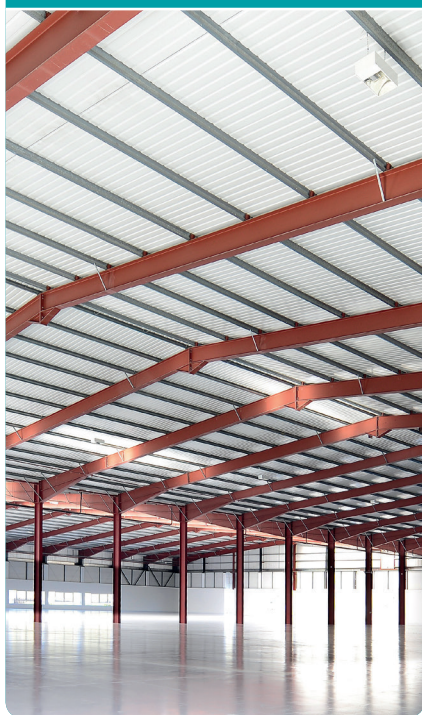
Range of cylindrical cased axial flow fans fitted with aluminium impellers and manufactured from high grade rolled galvanised steel and protected against corrosion by cataforesis primer and black polyester paint finish. All models are supplied with pre-wired wiring junction box located on the outside of the fan casing for easy wiring access. The TCBB has a single phase 4 pole motor.

Motors

Models 250, 315, 355 and 400 are IP54, Class F, with thermal overload protection. Models 450, 500, 560 & 630 are IP65, Class F, with thermal overload protection.

Electrical Supplies

Single phase 230V-50Hz. [Capacitor located inside the wiring terminal box].



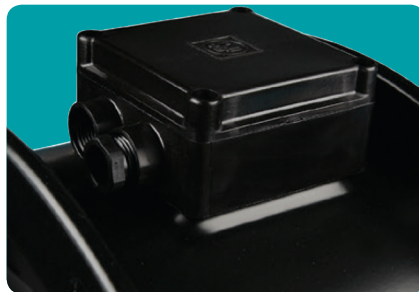
Corrosion Resistant

Rolled steel casings and motor support protected by cataforesis primer and black polyester paint finish. Stainless steel screws.



Terminal Box

Wiring terminal box with cable gland PG-11 [except ATEX models].



Impeller dynamically balanced

Impellers are dynamically balanced, according to ISO1940 standard, giving vibration free operation.



Acoustic Characteristics

The sound levels shown in the technical characteristic chart, correspond to the value of sound pressure dB(A), measured in free field conditions at a distance equivalent to three times the diameter of the impeller with a minimum of 1.5 metres.

Sound power level spectrum in dB(A) at the corresponding frequency band in Hz.

MODEL	63	125	250	500	1000	2000	4000	8000	LwA
4-250/H	24	37	41	47	52	52	47	41	57
4-315/H	40	51	45	53	59	59	51	43	63
4-355/H	24	40	45	55	58	58	49	42	62
4-400/H	46	53	59	66	69	69	66	58	74
4-450/H	46	58	65	71	73	71	67	59	77
4-500/H	50	62	69	75	76	75	70	62	81
4-560/L	52	64	71	77	78	77	72	64	83
4-560/H	53	65	72	78	79	78	73	65	84
4-630/L	56	67	75	80	82	81	76	68	87

Technical Data

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

MODEL/ ORDER CODE	Speed (RPM)	Ø Valve (mm)	Max. Absorbed Power (W)	Max. Current @ 230V (A)	Sound Pressure Level dB(A)	Max. Air Volume l/s	Weight (Kg)	Speed Controller Model
TCBB/ 4-250/H	1430	250	44	0.2	42	900	8	REB-1/ RMB-1.5
TCBB/ 4-315/H	1435	315	105	0.6	52	1990	11	REB-1/ RMB-1.5
TCBB/ 4-355/H	1420	355	120	0.6	52	2460	13.2	REB-2.5/ RMB-1.5
TCBB/ 4-400/H	1410	400	277	1.1	60	5190	15.5	REB-2.5/ RMB-3.5
TCBB/ 4-450/H	1410	450	591	2.5	63	6810	21	-
TCBB/ 4-500/H	1410	500	636	2.8	66	7500	25	REB-5/ RMB-3.5
TCBB/ 4-560/L	1405	560	1289	6	68	11970	33	REB-10/ RMB-6
TCBB/ 4-560/H	1400	560	1308	6	69	12960	34.7	-
TCBB/ 4-630/L	1365	630	1707	7.5	70	15730	40	-



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