



COMPACT TCBB/TCBT ALUMINIUM IMPELLERS

5604638700 - TCBB/4-630/L-B (230V50HZ) V5 - CYLINDRICAL CASED AXIAL FLOW FANS



Cased axial fan with aluminium blades. Casings formed from rolled sheet steel with a corrosion resistant. Single phase , IP65, F motor with thermal protector .Terminal box out of the air stream with a capacitor. Brand S&P model TCBB/4-630/L-B (230V50HZ) V5 for an airflow 4,32 m³/s and static pressure 25,0 Pa.

Theoretical Working Point

Airflow	4,32 m ³ /s
Static Pressure	25,0 Pa
Temperature	20 °C
Altitude	0 m
Density	1,2 kg/m ³
Frequency	50 Hz

Working Point

Airflow	4,32 m ³ /s
Static Pressure	25,0 Pa
Dynamic pressure	120 Pa
Total Pressure	145 Pa
Input power	1,43 kW
Outlet speed	14,1 m/s
Fan speed	1361 rpm
Specific Fan Power	0,33 W/l/s

Construction

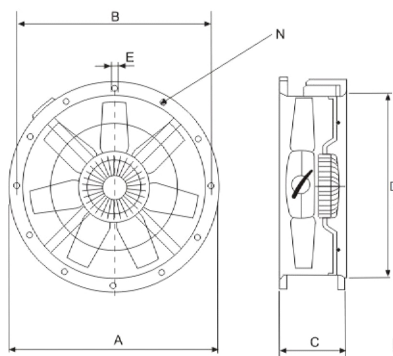
Discharge diameter	630 mm
Fan size	630
Blades	6
Weight	40,00 kg

Motor Characteristics

Number of poles	4
Voltage	1-230V-50Hz
Maximum absorbed current	7,5 A
IP Rating	IP65
Motor insulation class	F

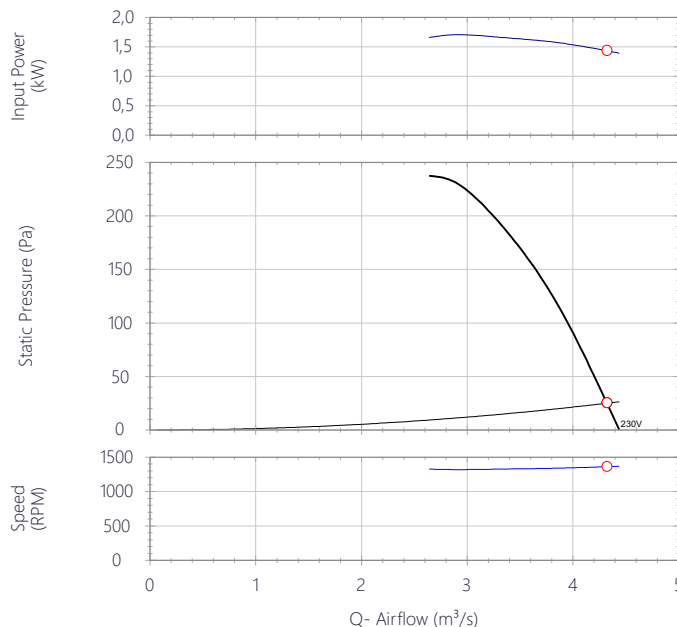
Warning

Drawing



ØA	ØB	C	ØD	ØE	N
725	690	240	630	12	12

Performance Chart



Sound Performance

	63	125	250	500	1k	2k	4k	8k	Overall
Inlet (LwA)	57	68	76	81	83	82	77	69	88
Inlet LpA @ 1,5m	42	53	61	66	68	67	62	54	73



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ErP Data

Maximum efficiency %	53,4
Installation type	D
Category efficiency	Total
N	N58,4
Variable speed drive	+
Year of manufacture	Product Rating Plate
Manufacturer's Info	S&P
Product code	5604638700
Input power at optimum efficiency point (kW)	1,624
Airflow at optimum efficiency point [m3/h]	12.896
Pressure at optimum efficiency point [Pa]	241
Speed at optimum efficiency point	1332
Specific Ratio	1
Recycling/disposal	Instruction Manual
Maintenance	Instruction Manual
Additional components	Catalogue and according to ISO 5801