



COMPACT HCBB/HCBT ALUMINIUM IMPELLERS

5603638900 - HCBB/4-355/H-A (230V50HZ) V5 - PLATE MOUNTED AXIAL FLOW FANS



Range of low profile plate mounted axial fans fitted with aluminium impellers and single phase motor (HCBB), IP65, Class F insulation, equipped with thermal protection*.

*Except models Ø 800 to 1000.

Motors

Available, depending upon the model, with single or three phase motors in 4 or 6 poles. All motors are speed controllable by autotransformer except models /4-630, B/710, T/4-710, T/800, T/900 and T/1000.

Electrical supplies:

Single phase 230V-50Hz.

(Capacitor located inside the wiring terminal box).

Trade S&P model HCBB/4-355/H-A (230V50HZ) V5 for an airflow 0,920 m³/s and static pressure 25,0 Pa.

Theoretical Working Point

Airflow	0,921 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	0,920 m ³ /s
Static Pressure	25,0 Pa
Dynamic pressure	52 Pa
Total Pressure	77 Pa
Input power	0,190 kW
Outlet speed	9,3 m/s
Fan speed	1383 rpm
Specific Fan Power	0,21 W/l/s

Construction

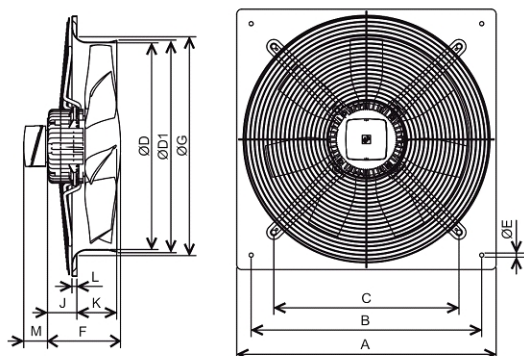
Discharge diameter	355 mm
Fan size	355
Blades	7
Weight	8,00 kg

Motor Characteristics

Number of poles	4
Voltage	1-230V-50Hz
Maximum absorbed current	0,9 A
IP Rating	IP65
Motor insulation class	F

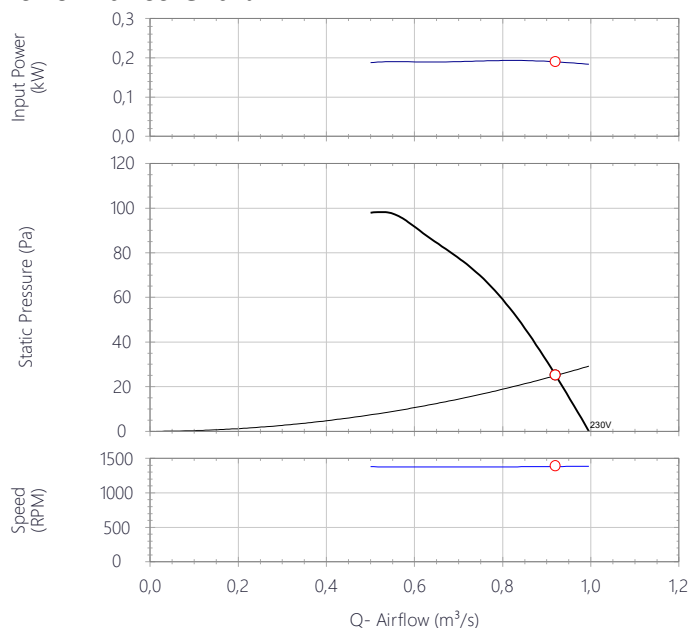
Warning

Drawing



A	B	C	D	D1	E	F	G	J
450	380	315	355	363	10	129	371	45
K	L	M						
75	12	65						

Performance Chart



Sound Performance

	63	125	250	500	1k	2k	4k	8k	Overall
Inlet (LwA)	42	57	56	64	69	65	60	53	72
Inlet LpA @ 1,5m	27	42	42	49	54	50	45	38	57



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ErP Data

Maximum efficiency %	29,1
Installation type	A
Category efficiency	Static
N	N40
Variable speed drive	+
Year of manufacture	Product Rating Plate
Manufacturer's Info	S&P
Product code	5603638900
Input power at optimum efficiency point (kW)	0,189
Airflow at optimum efficiency point [m3/h]	2.300
Pressure at optimum efficiency point [Pa]	86
Speed at optimum efficiency point	1377
Specific Ratio	1
Recycling/disposal	Instruction Manual
Maintenance	Instruction Manual
Additional components	Catalogue and according to ISO 5801