

CBD-3939-6T 3/HE

Code: 1009174



Double inlet centrifugal fans with direct drive motors and forward curved impeller

Fan:

- Galvanised steel sheet casing.
- Forward curved impeller in galvanised sheet steel.
- Supplied with PSB support feet.

Motor:

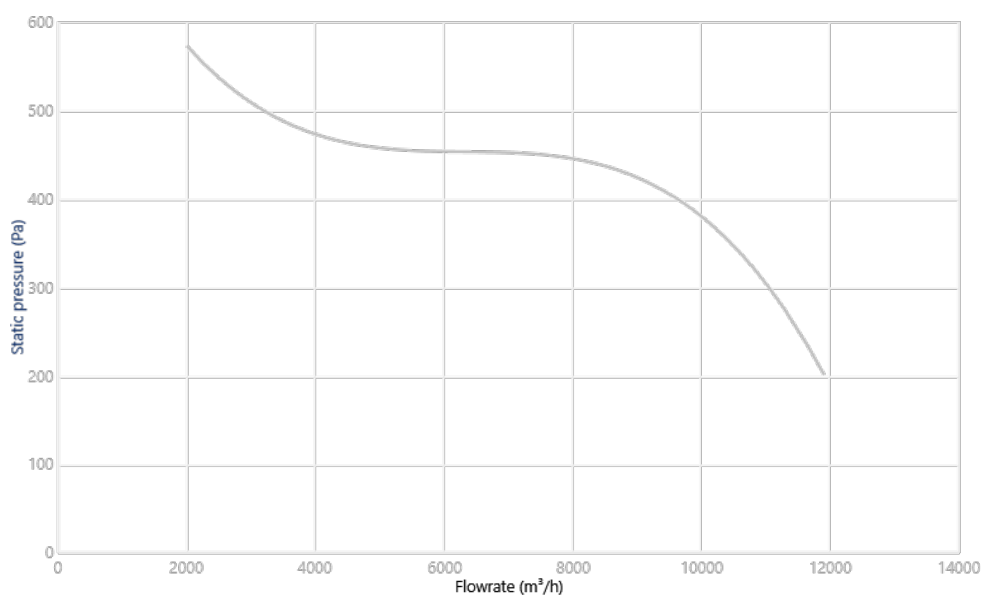
- High efficiency (HE) motors in compliance with ErP 2015.
- Enclosed motors with built-in thermal protector, class F, with ball bearings, IP54 protection.
- Single-phase 220-240 V 50 Hz and three-phase 220-240/380-415 V 50 Hz.
- Working temperature: -25 °C +60 °C.

Finish:

- Galvanised steel sheet.



CHARACTERISTIC CURVE AND ACOUSTICS AT 1.2KG/M³

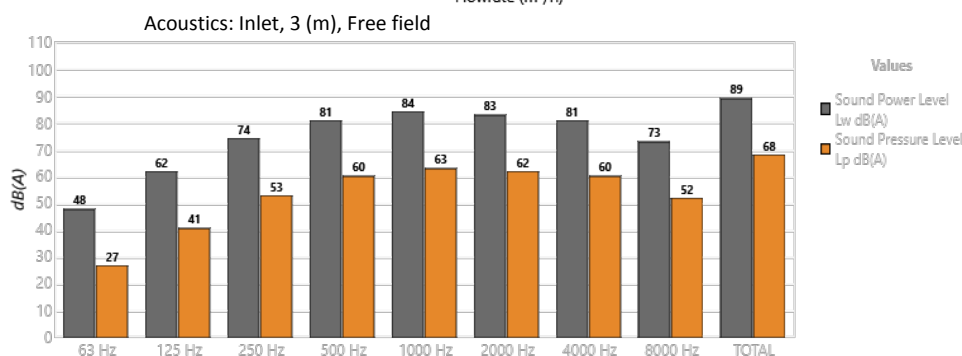


Design Point

Q (m³/h)	
Ps (Pa)	

Service Point (SP)

Q (m³/h)	-
Ps (Pa)	-
Pd (Pa)	-
Pt (Pa)	-



Band	Lw dB(A)	Lp dB(A)
63 Hz	48	27
125 Hz	62	41
250 Hz	74	53
500 Hz	81	60
1000 Hz	84	63
2000 Hz	83	62
4000 Hz	81	60
8000 Hz	73	52
TOTAL	89	68

TECHNICAL CHARACTERISTICS

Airflow maximum (m³/h)	11900
Speed (rpm)	890
Maximum static pressure (Pa)	572.4
Maximum total pressure (Pa)	577.5

ERP

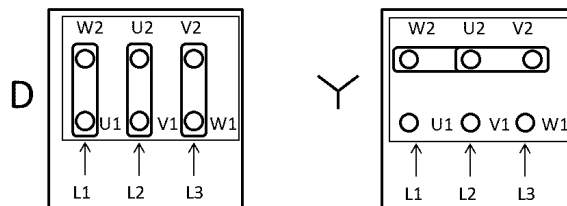
Efficiency	44.6%
Efficiency grade N	49.3
Measurement category	A
Efficiency category	Static
Specific ratio	1.00
Flowrate (m³/h)	6400

Pressure (Pa)	453
Input power (kW)	1.803
Speed (rpm)	942
Variable speed drive	VSD not necessary
ErP compliance	2015

♦ Data established at point of optimum efficiency

MOTOR DATA

Rated Mechanical Power (kW)	2.2
Hz/phases	50/3
Motor (rpm)	890
Poles	6P
Max. current (A) 380-415 V	6.3
Max. current (A) 220-240 V	10.9
Motor frame size	100



Data can change, please check motor plate

DIMENSIONS

A	B1	B2	E	G	K	L	UxS	V	X	x1	x2	Z1	Z
553	632	352	265	30	473	408	9x16	406	505	533	406	60	533

Dimensions without explicitly defined units are shown in millimeters (mm). Dimensions depending on the motor are approximate

Approx. weight (kg)	39
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