

Series

VENTS Boost 100-250



Series

VENTS Boost 355-400



Inline fans in a polymer casing with the air flow of up to **3350 m³/h**

Application

The units are intended for supply or exhaust ventilation systems requiring a powerful air flow: commercial, office and other public or industrial premises as well as rooms with high humidity. The fans are compatible with Ø 100, 125, 150, 160, 200, 250, 355 and 400 mm air ducts.

Design

The casing is made of polymer (for models 355 and 400, the casing is additionally reinforced with a metal

housing). Due to the conically-shaped polymer impeller with specially profiled blades the air stream circular velocity increases, which results in higher air flow and pressure as compared to characteristics of standard axial fans.

The specially designed diffuser, impeller and airflow rectifier at the fan outlet provide smooth air flow distribution and enable the best combination of high air flow, increased pressure and low noise. The fan casing is equipped with an airtight terminal box for connection to power mains.

Motor

The VENTS Boost fans are equipped with single-phase high-efficiency three-speed asynchronous motors with low power consumption.

The motor is equipped with thermal switches for overheating protection.

The ball bearings ensure a long service life (about 40 000 hours of continuous operation). The motor ingress protection rating is IPX4.

Speed control

The three-speed motor can be controlled using a built-in switch (option V) or an external switch (purchased separately).

Mounting

The fans can be mounted at any place and at any angle within the ductwork system. Several fans can be installed in one system in parallel to attain higher air flow or in series to increase operating pressure in the system. The fan casing is equipped with fixing brackets for floor, wall or ceiling mounting.

The fans can be mounted using KM-Boost brackets of the appropriate size (purchased separately, available for 355 and 400 models).

Designation key

Series	Duct diameter	Options
VENTS Boost	100; 125; 150; 160; 200; 250; 355; 400	<p>Un: speed controller with an electronic thermostat and external temperature sensor fixed.</p> <p>R: power cord with a mains plug.</p> <p>V: step speed controller.</p> <p>P: built-in smooth speed controller.</p>

Accessories



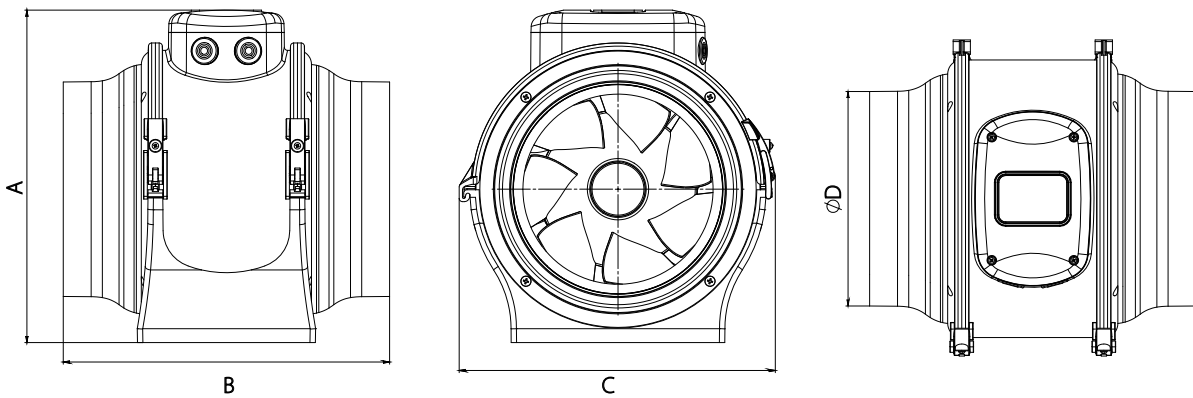
Silencer Filters Heaters Backdraft damper Air shutter Clamps Speed control switches P3-1-300 RS...PS Speed controllers RS-1-400 RS-...T

Overall dimensions

Model	Dimensions [mm]				Weight [kg]
	A	B	C	D	
Boost 100	242/262*	330	226	100	3.7
Boost 125	242/262*	300	226	125	3.68
Boost 150	267/287*	301	247	150	2.8
Boost 160	267/287*	301	251	160	2.9
Boost 200	308/328*	302	293	200	4.2
Boost 250	342/362*	293	326	250	6.4

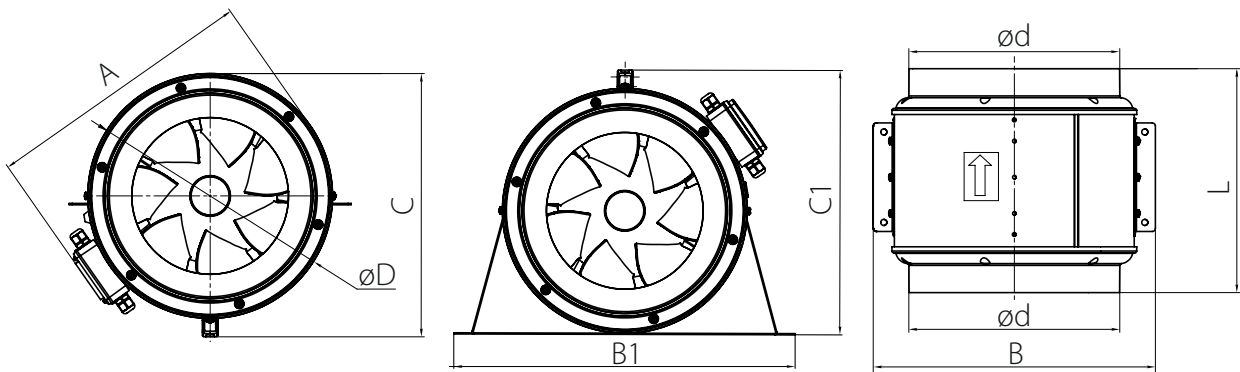
*Boost ... Un/P

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Overall dimensions with brackets

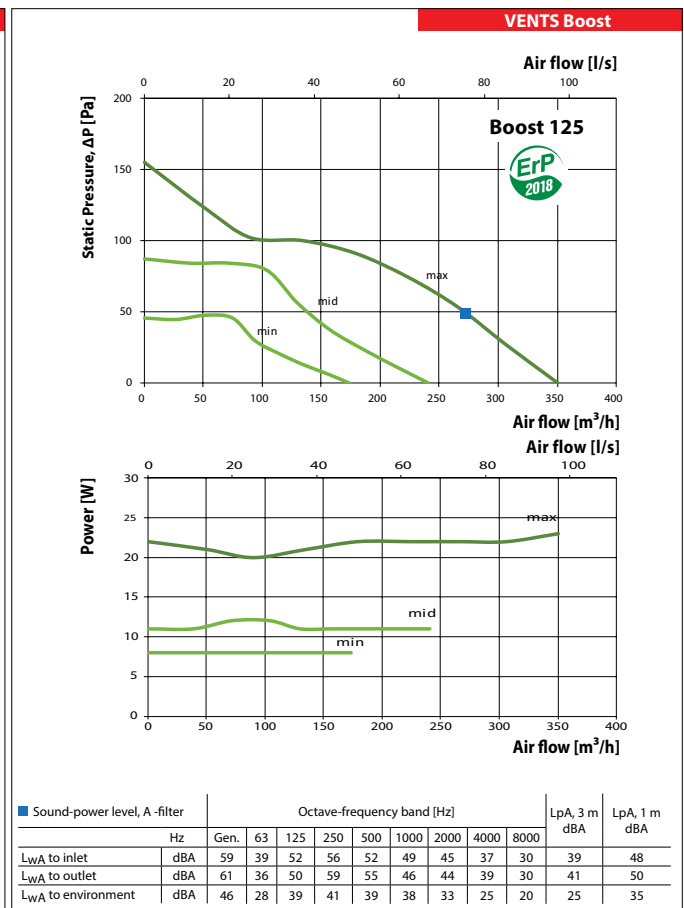
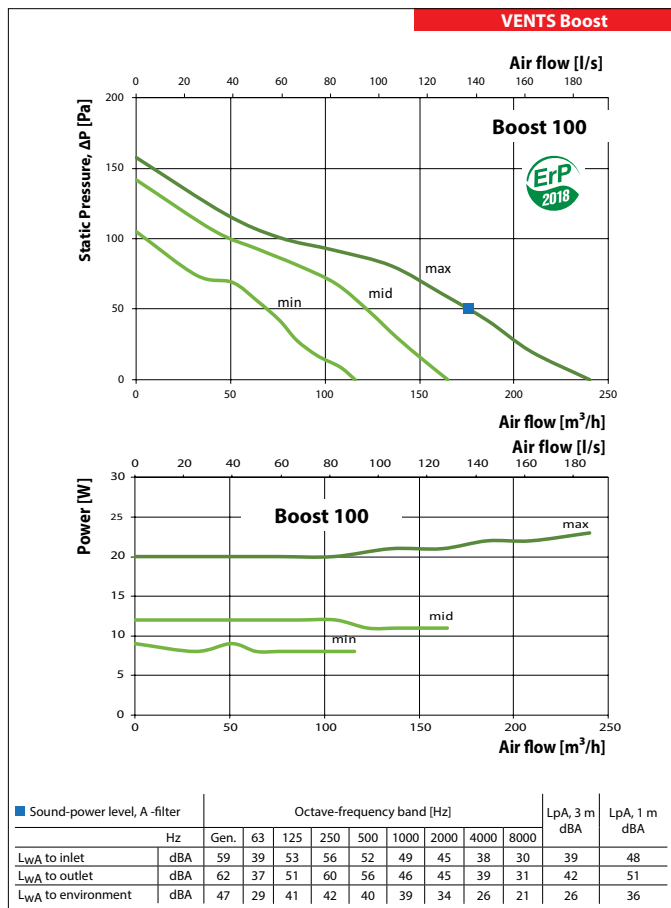
Model	Dimensions [mm]								Weight [kg]
	D	d	A	L	B	B1	C	C1	
Boost 355	406	350	451	372	468	566	437	439	15
Boost 400	451	395	496	415	513	623	482	484	18.5



FANS FOR ROUND DUCTS

Technical data

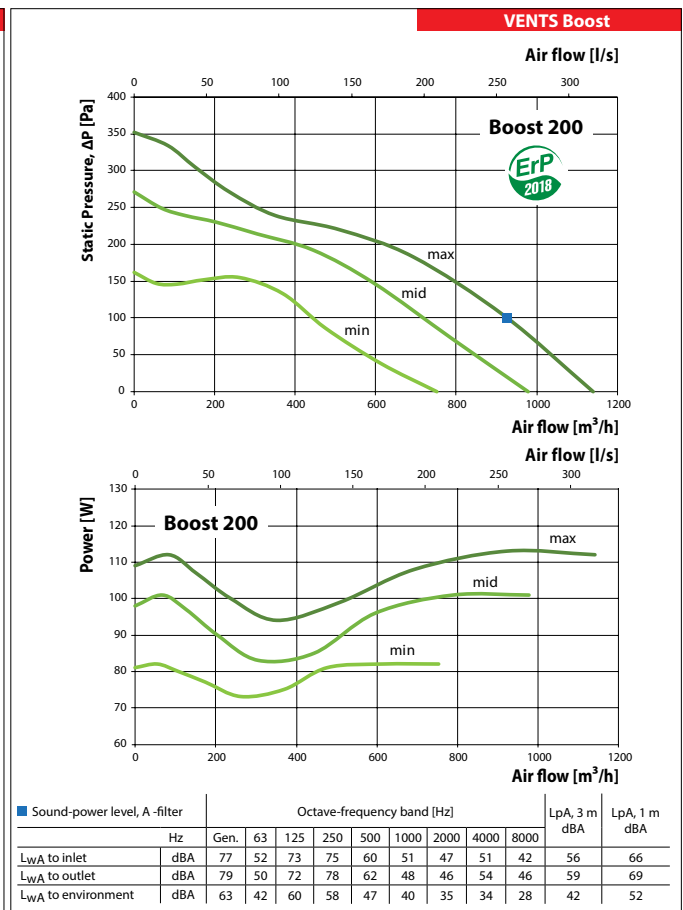
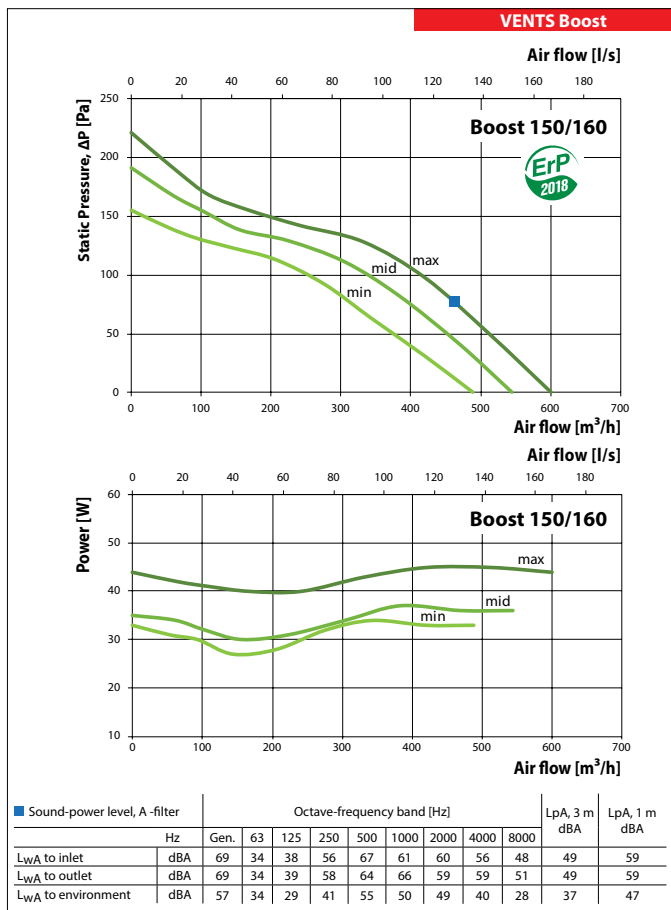
	Boost 100			Boost 125		
	Min	Mid	Max	Min	Mid	Max
Speed						
Voltage [V]	1~230					
Frequency [Hz]	50					
Power [W]	9	12	23	8	12	23
Current [A]	0.80	0.90	0.10	0.80	0.90	0.10
Max. airflow [m ³ /h]	116	165	240	174	241	350
Max. airflow [l/s]	32	46	67	48	67	97
RPM [min ⁻¹]	2299	2671	2819	1865	2492	2796
Sound pressure level at 3 m distance [dBA]	20	22	26	20	22	25
Maximum transported air temperature [°C]	-25...+55					
Protection rating	IPX4					
Motor protection rating	IP20					



Technical data

	Boost 150/160			Boost 200		
Speed	Min	Mid	Max	Min	Mid	Max
Voltage [V]	1~230					
Frequency [Hz]	50					
Power [W]	34	37	45	82	101	113
Current [A]	0.15	0.16	0.20	0.37	0.45	0.51
Max. airflow [m ³ /h]	488	544	600	752	978	1140
Max. airflow [l/s]	136	151	167	209	272	317
RPM [min ⁻¹]	2550	2704	2816	1866	2400	2738
Sound pressure level at 3 m distance [dBA]	34	35	37	37	40	42
Maximum transported air temperature [°C]	-25...+55					
Protection rating	IPX4					
Motor protection rating	IP20					

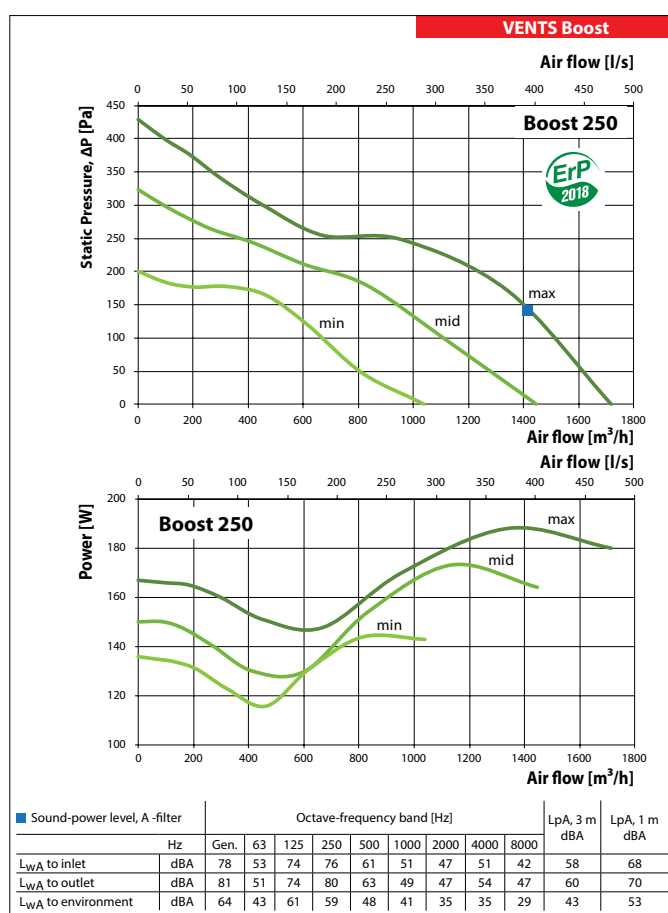
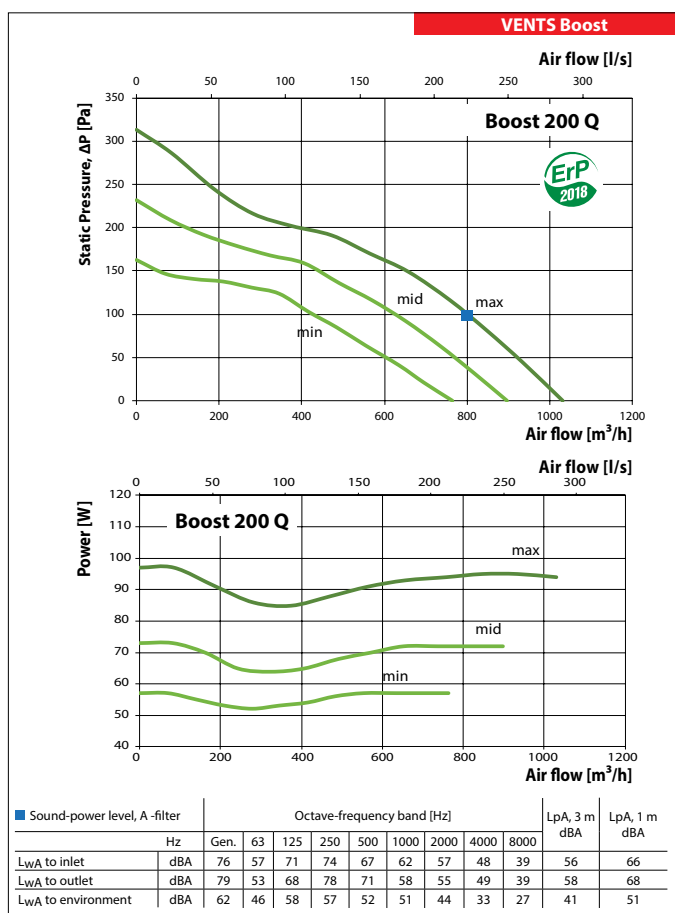
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FANS FOR ROUND DUCTS

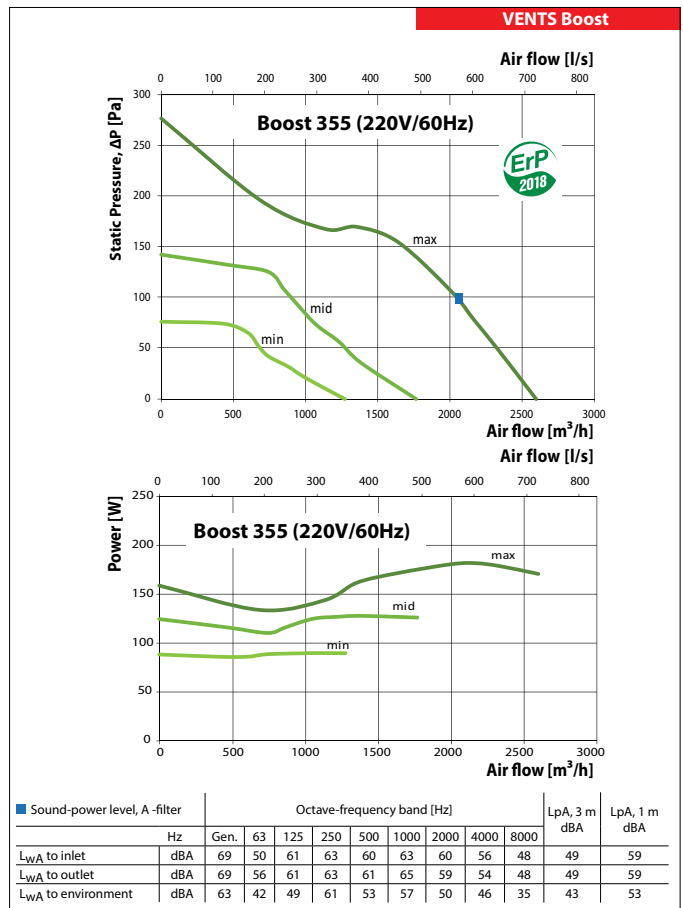
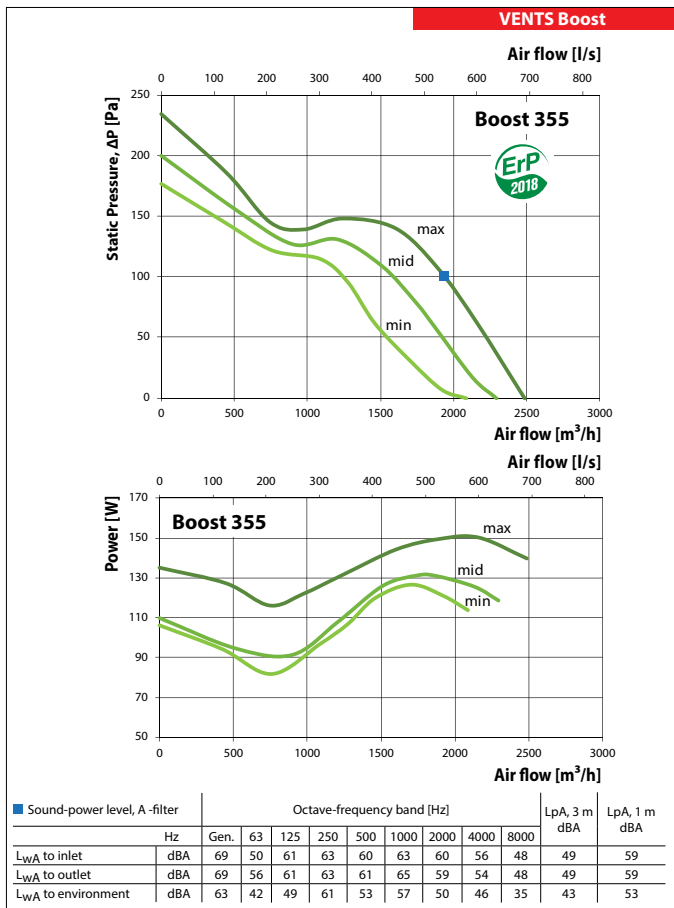
Technical data

	Boost 200 Q			Boost 250		
	Min	Mid	Max	Min	Mid	Max
Speed						
Voltage [V]	1~230			1~230		
Frequency [Hz]	50			50		
Power [W]	57	73	97	144	173	188
Current [A]	0.25	0.32	0.44	0.70	0.81	0.84
Max. airflow [m ³ /h]	764	897	1030	1038	1447	1715
Max. airflow [l/s]	212	249	286	288	402	476
RPM [min ⁻¹]	2148	2438	2686	2292	2626	2876
Sound pressure level at 3 m distance [dBA]	37	40	41	39	41	43
Maximum transported air temperature [°C]	-25...+55					
Protection rating	IPX4					
Motor protection rating	IP20					



Technical data

	Boost 355			Boost 355 (220V/60Hz)		
	Min	Mid	Max	Min	Mid	Max
Speed						
Voltage [V]	1~230					
Frequency [Hz]	50			60		
Power [W]	126	131	150	90	128	182
Current [A]	0.60	0.58	0.66	0.43	0.60	0.85
Max. airflow [m ³ /h]	2090	2296	2485	1277	1771	2600
Max. airflow [l/s]	581	638	690	355	492	722
RPM [min ⁻¹]	1350	1400	1470	996	1360	1632
Sound pressure level at 3 m distance [dBA]	38	38	43	37	38	43
Maximum transported air temperature [°C]	-25...+55					
Protection rating	IPX4					
Motor protection rating	IP20					



FANS FOR ROUND DUCTS

Technical data

	Boost 400			Boost 400 (220V/60Hz)		
	Min	Mid	Max	Min	Mid	Max
Speed						
Voltage [V]	1~230					
Frequency [Hz]	50			60		
Power [W]	197	204	224	146	208	300
Current [A]	0.91	0.90	0.98	0.73	1.00	1.40
Max. airflow [m ³ /h]	2677	3136	3350	1846	2401	3390
Max. airflow [l/s]	744	871	931	513	667	942
RPM [min ⁻¹]	1320	1390	1446	1000	1320	1566
Sound pressure level at 3 m distance [dBA]	40	42	43	38	42	43
Maximum transported air temperature [°C]	-25...+55					
Protection rating	IPX4					
Motor protection rating	IP20					

