

# PRIMO



Inline mixed flow fans

# PRIMO

Combine high performance with low power and noise consumption.



## PRIMO 150



AC up to **600** m<sup>3</sup>/h  
EC up to **700** m<sup>3</sup>/h

## PRIMO 200

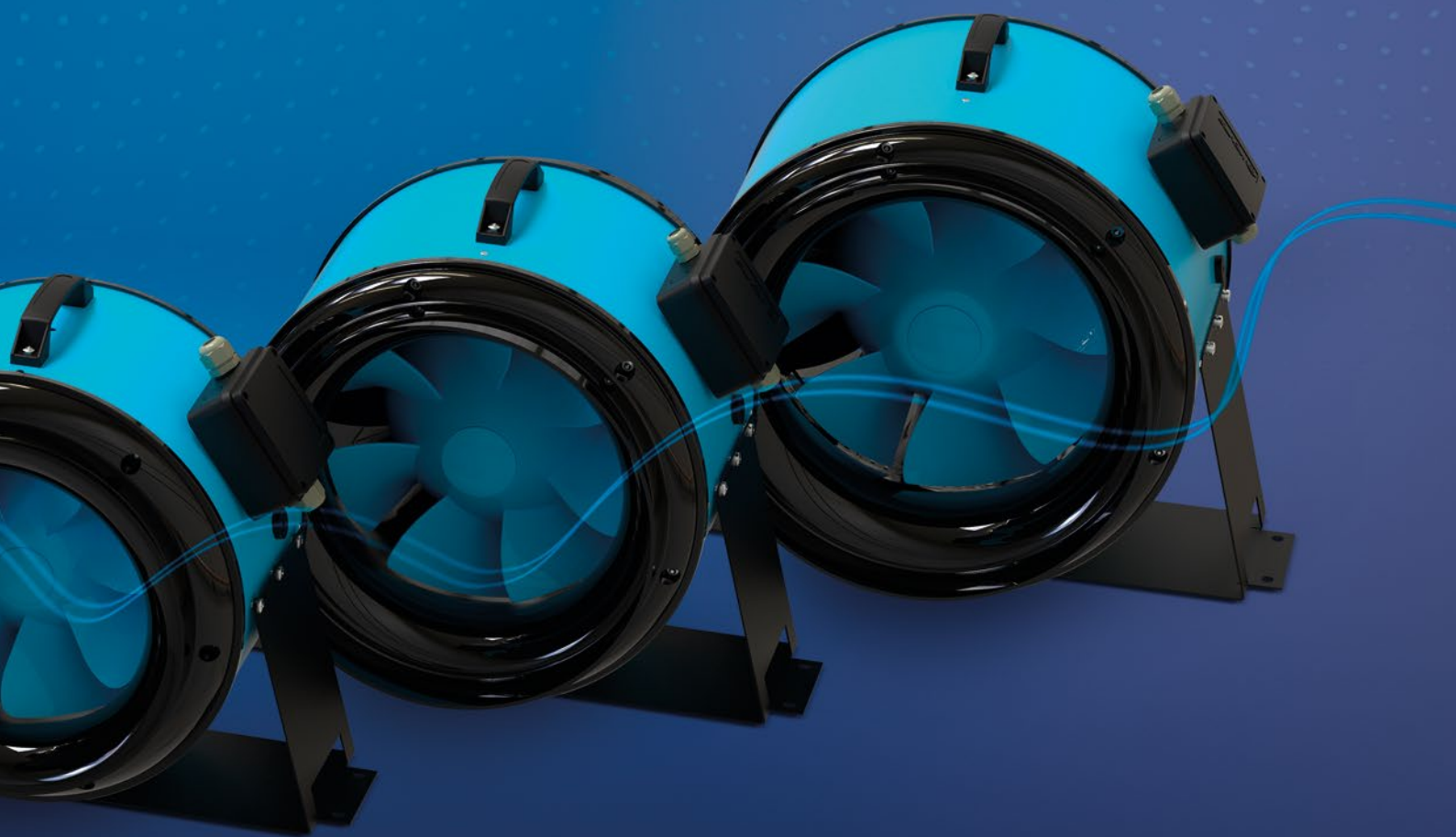


AC up to **1140** m<sup>3</sup>/h  
EC up to **1250** m<sup>3</sup>/h

## PRIMO 250



AC up to **1715** m<sup>3</sup>/h  
EC up to **1800** m<sup>3</sup>/h



### PRIMO 315



AC up to **3471** m<sup>3</sup>/h  
EC up to **3250** m<sup>3</sup>/h

### PRIMO 355



AC up to **2485** m<sup>3</sup>/h  
EC up to **4630** m<sup>3</sup>/h

### PRIMO 400



AC up to **3350** m<sup>3</sup>/h  
EC up to **5700** m<sup>3</sup>/h

1

## INNOVATIVE IMPELLER SHAPE

The aerodynamic shape of the fan impeller was designed using CFD modeling methods, which allowed to combine high performance with low energy consumption and noise.

2

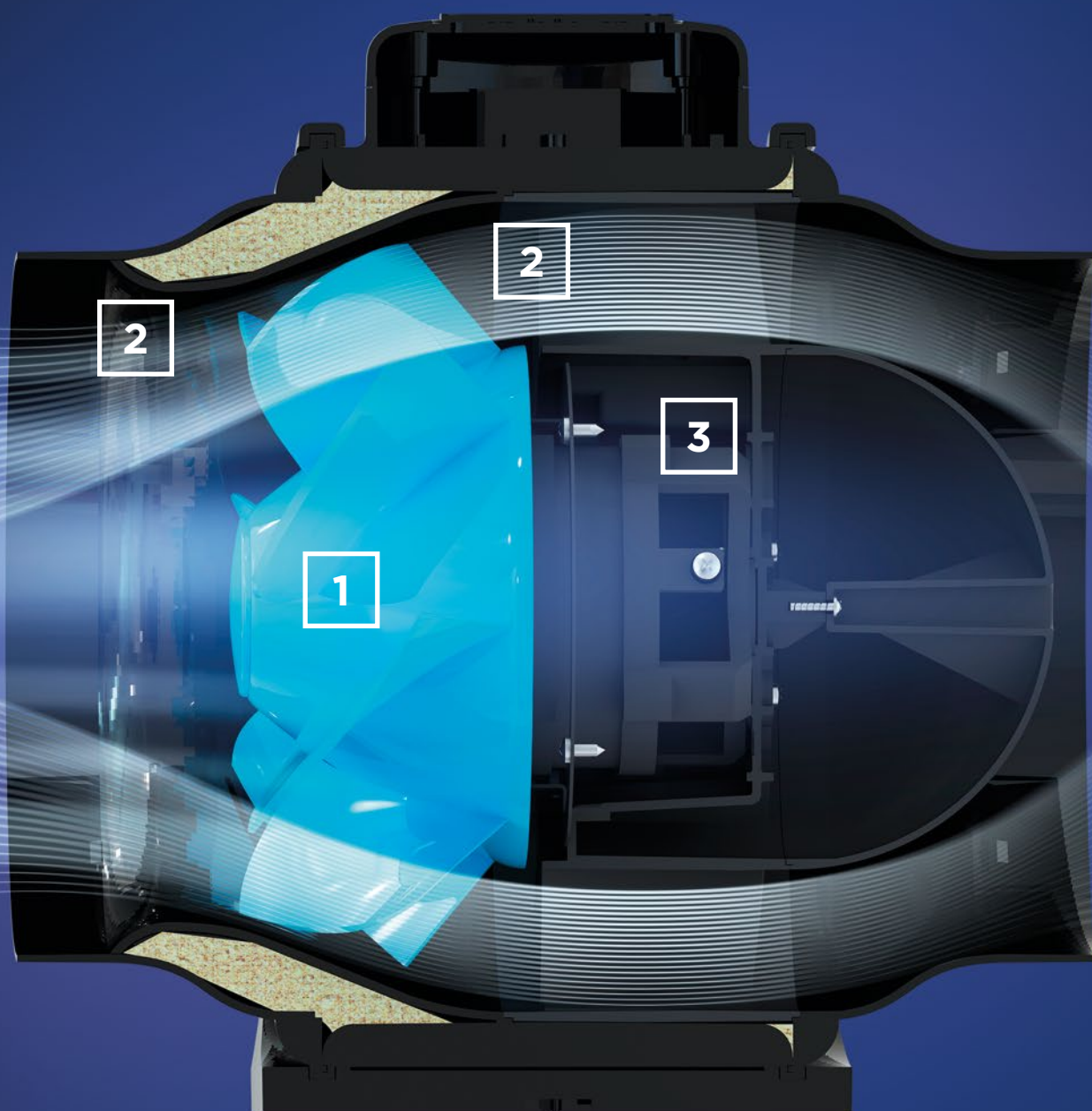
## IMPROVED AERODYNAMICS

The aerodynamic shape of the casing's internal elements, such as the impeller, inlet diffuser, and guide vanes, was developed as a single complex. This allowed us to achieve optimal performance and noise levels with minimal power consumption.

3

## HIGHLY EFFICIENT ELECTRIC MOTORS

High-efficiency three-speed asynchronous electric motors and high-efficiency EC motors are used.



1

## REMOVABLE CENTRAL UNIT

The central part is attached to the spigots with special clamps, which greatly simplifies installation and maintenance and allows for use in places with limited space.

2

## PRIMO 150, 200, 250

The casings of these models are made of durable plastic.

3

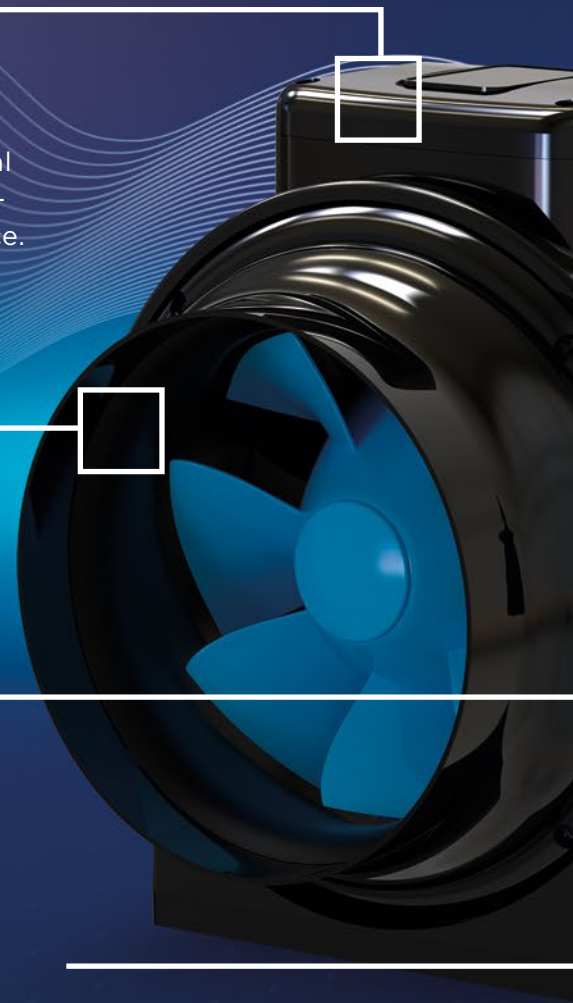
## PRIMO 315, 355, 400

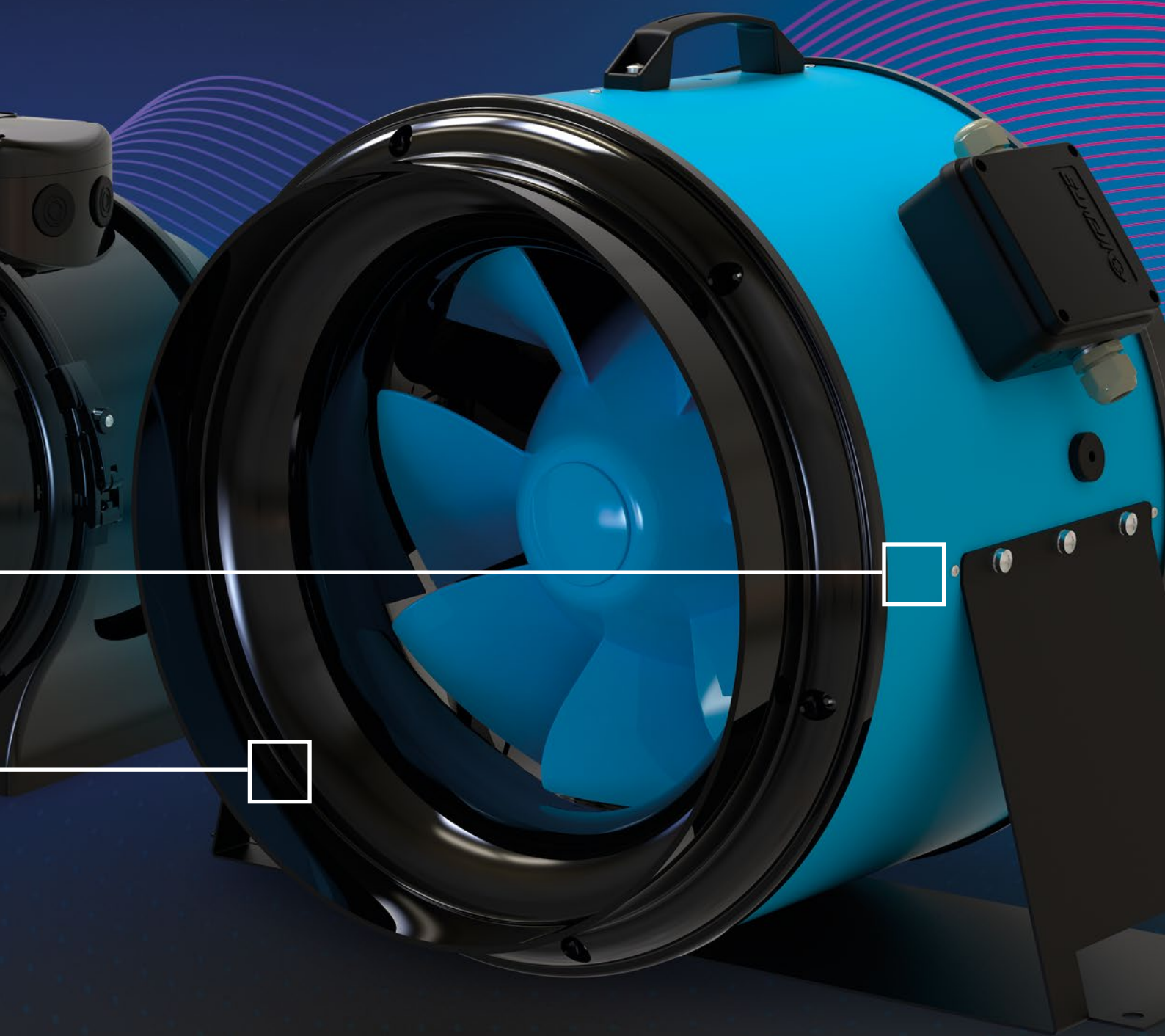
The casings are made of durable plastic and additionally reinforced with a metal casing.

4

## POLYMER CASING

The casing does not corrode, which makes the fans an ideal solution for rooms with a high level of humidity.





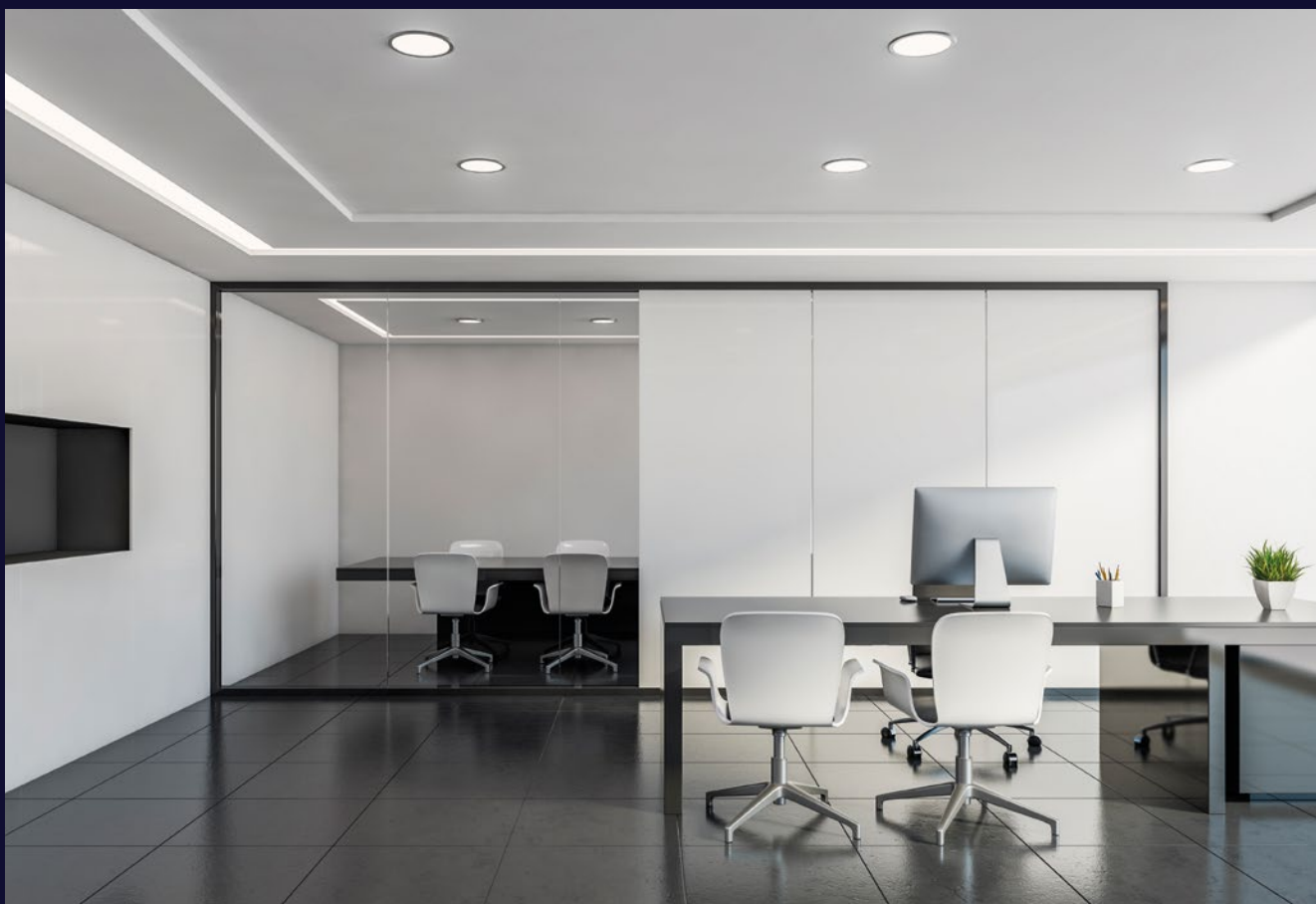


## ENERGY EFFICIENCY AND THE ENVIRONMENT

The issue of reasonable energy consumption is becoming increasingly important every year. The use of energy-saving equipment is an indispensable contribution to improving the environmental situation on our planet and is a manifestation of concern for the future of future generations and nature.

Blauberg does not stand aside and invests in the development of innovative modern solutions for ventilation systems aimed at reducing energy consumption. When developing the next generation of mixed flow fans, one of Blauberg's main objectives was to achieve high energy efficiency. As a result, thanks to the use of innovative aerodynamic solutions, the PRIMO series has one of the best SFP (energy consumption per unit volume of air moved) ratings of any solution currently on the market. The use of PRIMO fans will significantly reduce operating costs and reduce the consumption of energy resources on the planet.





## Technical specifications

Parameters	Primo 150/160			Primo 200			Primo 250		
Speed	Min.	Med.	Max.	Min.	Med.	Max.	Min.	Med.	Max.
Voltage [V/50 Hz]	1 - 230			1 - 230			1 - 230		
Power [W]	34	37	45	82	101	113	144	173	188
Current [A]	0.15	0.16	0.20	0.37	0.45	0.51	0.70	0.81	0.84
Maximum air flow capacity [m <sup>3</sup> /h]	488	544	600	752	978	1140	1038	1447	1715
Maximum air flow capacity [l/s]	136	151	167	209	272	317	288	402	476
RPM [min <sup>-1</sup> ]	2550	2704	2816	1866	2400	2738	2292	2626	2876
Sound pressure level at 3 m distance [dBA]	34	35	37	37	40	42	39	41	43
Max. transported air temperature [°C]	-25...+55			-25...+55			-25...+55		
IP rating	IPX4			IPX4			IPX4		
Motor IP rating	IP20			IP20			IP20		
Erp	2018			2018			2018		

Parameters	Primo 315 max			Primo 355			Primo 400		
Speed	Min.	Med.	Max.	Min.	Med.	Max.	Min.	Med.	Max.
Voltage [V/50 Hz]	1 - 230			1 - 230			1 - 230		
Power [W]	290	462	740	126	131	150	197	204	224
Current [A]	1.38	2.11	3.24	0.60	0.58	0.66	0.91	0.90	0.98
Maximum air flow capacity [m <sup>3</sup> /h]	1590	2175	3471	2090	2296	2485	2677	3136	3350
Maximum air flow capacity [l/s]	440	604	964	581	638	690	744	871	931
RPM [min <sup>-1</sup> ]	1452	1948	2642	1350	1400	1470	1320	1390	1446
Sound pressure level at 3 m distance [dBA]	36	38	43	38	38	43	40	42	43
Max. transported air temperature [°C]	-25...+55			-25...+55			-25...+55		
IP rating	IPX4			IPX4			IPX4		
Motor IP rating	IP20			IP20			IP20		
Erp	2018			2018			2018		

Parameters	Primo EC 150/160	Primo EC 200	Primo EC 250	Primo EC 315 max
Voltage [V/50 Hz]	1 - 230	1 - 230	1 - 230	1 - 230
Power [W]	54	121	168	353
Current [A]	0.48	0.96	1.34	1.56
Maximum air flow capacity [m <sup>3</sup> /h]	700	1250	1800	3250
Maximum air flow capacity [l/s]	194	347	500	903
RPM [min <sup>-1</sup> ]	3700	3100	3282	2424
Sound pressure level at 3 m distance [dBA]	39	50	49	55
Max. transported air temperature [°C]	-25...+55	-25...+55	-25...+55	-25...+55
IP rating	IPX4	IPX4	IPX4	IPX4
Motor IP rating	IP44	IP44	IP44	IP44
Erp	2018	2018	2018	2018

Parameters	Primo EC 355	Primo EC 355 max	Primo EC 400
Voltage [V/50 Hz]	1- 230	1- 230	1- 230
Power [W]	353	701	726
Current [A]	1.56	3.10	4.80
Maximum air flow capacity [m <sup>3</sup> /h]	3685	4630	5700
Maximum air flow capacity [l/s]	1024	1286	1583
RPM [min <sup>-1</sup> ]	2470	3175	2580
Sound pressure level at 3 m distance [dBA]	55	60	60
Max. transported air temperature [°C]	-25...+55	-25...+55	-25...+55
IP rating	IPX4	IPX4	IPX4
Motor IP rating	IP44	IP44	IP44
Erp	2018	2018	2018



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