

Circular Duct Fan prioAir

More performance. Less energy consumption.
The new EC circular duct fan.



How do you achieve the best efficiency in your class? By re-inventing the wheel.

Maximum performance – minimum consumption:
Not a contradiction in terms for the prio**Air** circular duct fan.

Because with its revolutionary impeller with fully optimised flow technology it can move enormous volumes of air with low energy input.

Moreover, it convinces with its compact dimensions and an extremely quiet performance.
In short: The new standard for contemporary ventilation systems.

prio**Air**. Lengths ahead.



Peak performance: The new prio**Air** ensures reliable ventilation and consumes less energy.

Efficient, compact, low-noise

prioAir

The most important advantages at a glance

- Low SFP values and very high efficiency. Your advantage: Maximum performance and low energy consumption
- Powerful EC motor with integrated electronics. Your advantage: Reduced energy consumption reduces the running costs
- Compact design. Your advantage: Little space required, a real inline fan
- Material: Special composite material. Your advantage: Lower weight, quick and easy to assemble
- Low-noise
- Long life



Clever: The optimised shape of the impeller enables an ideal air stream.



Space-saving: Thanks to its compact dimensions Ø 200 x 245 mm the circular duct fan matches the duct dimensions. A lean inline solution.



prioAir NEW!

Electrical accessories

MTP 10
p. 359EC-Vent
p. 365MTV 1/010
p. 359

REV p. 380

The prioAir series is designed for installation in ducts. PrioAir fans have 25 mm long spigot connections in acc. with EN 1506:1997.

The fans have aerodynamically optimized impellers and guide vanes with integrated external rotor motors.

AC version: The fans can be speed-controlled via a stepless thyristor or a 5-step transformer. To protect the motor from overheating the fan has integrated thermal contacts with manual reset in acc. with EN 60335-2-80. EC version: Easy to control by 0.10V signal. Motor protection is integrated in the electronics of the motor.

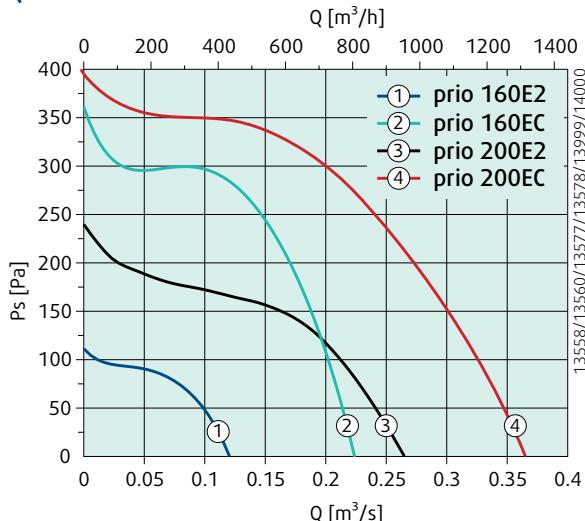
The air tight casing (tightness class C in acc. with EN12237:2003) is manufactured from special composite material.

The mounting clamp facilitates easy installation and removal, and prevents the transfer of vibrations to the duct. Prio mounting bracket to the wall or ceiling as accessory.

For installation in damp locations we recommend to use a run-on timer.

- EC-motors, high level of efficiency
- Speed-controllable
- Integral thermal contacts
- Can be installed in any position
- Compact design
- Lowest SFP values and high efficiency
- Low sound level

Quick selection

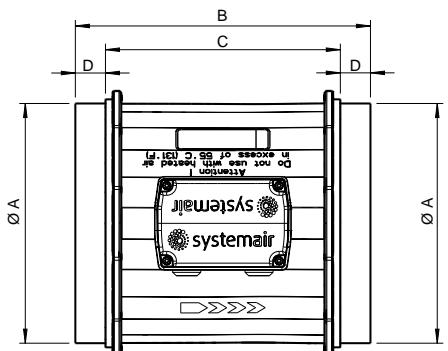
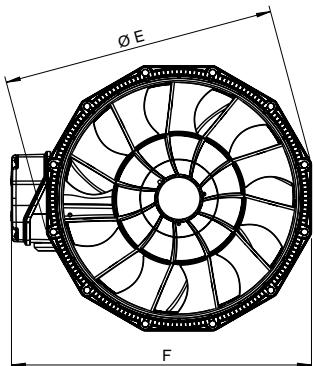


Technical data

prioAir	160 E2	160 EC	200 E2	200 EC
Art. no.	36916	36917	36381	36380
Voltage/Frequency	V/50 Hz	230 1~	230 1~	230 1~
Power	W	26.3	76.6	71.7
Current	A	0.12	0.676	0.33
Max. air flow	m³/s	0.12	0.224	0.263
SFP	KW/(m³/s)	0.3 0.07 m³/s/150 Pa	0.4 0.19 m³/s/150 Pa	0.4 0.17 m³/s/150 Pa
R.p.m.	min⁻¹	2458	4311	2563
Max. temp. of transported air	°C	55	55	55
Sound pressure level at 3 m	dB(A)	34	38	44
Weight	kg	1.4	1.6	3.1
Insulation class, motor	F	B	B	B
Enclosure class, motor		IP 44	IP 44	IP 44
Capacitor	µF	0.7	-	1.5
Motor protection		Integral	Integral	Integral
Speed control, stepless	Electronic	REE 1	MTP 10	REE 1
Wiring diagram p. 442-461		56	57	56
				57

More sizes of prioAir coming soon.

Dimensions



prioAir	ØA	B	C	D	ØE	F
160 E2/EC	159	220	170	25	182	211
200 E2/EC	199	245	195	25	227	249

Ventilation accessories



CB p. 393



FFR p. 391



FGR p. 392



prio mounting bracket p. 389



FK p. 388



IGC p. 388



IGK p. 388



LDC p. 390



RSK p. 388



SG p. 389



VK p. 389



VKK p. 392



VBC p. 395



VBF p. 396

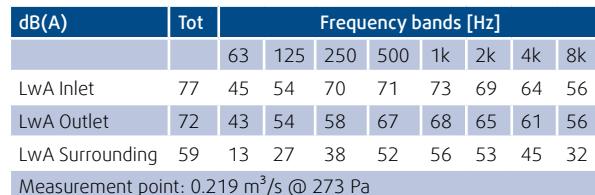
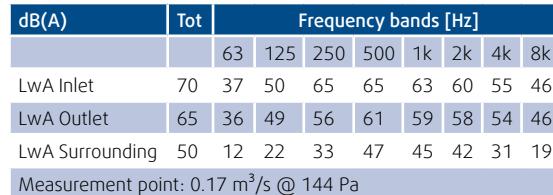
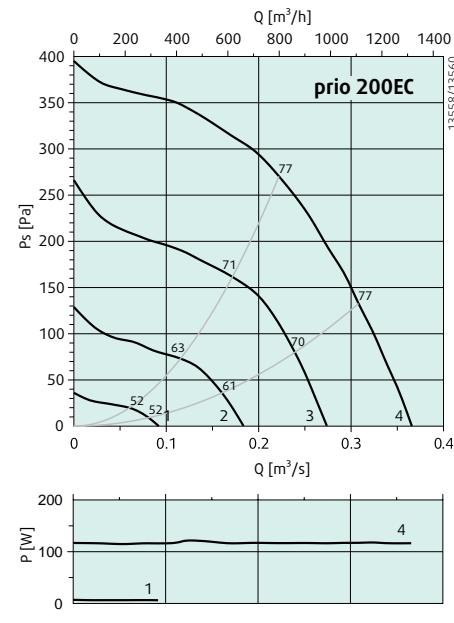
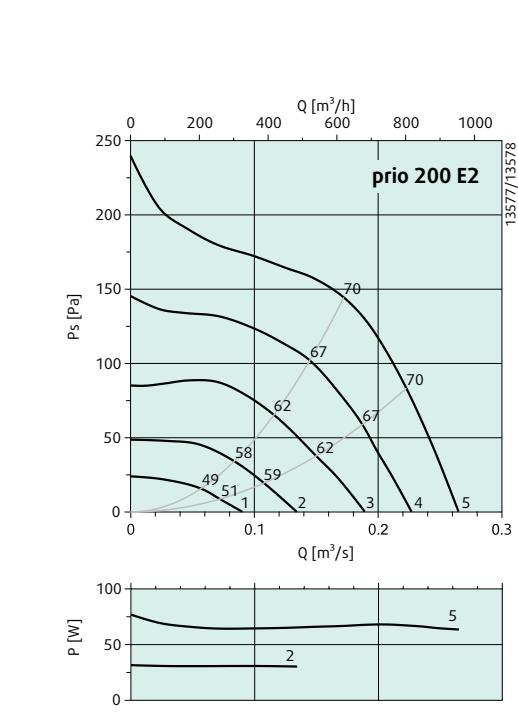
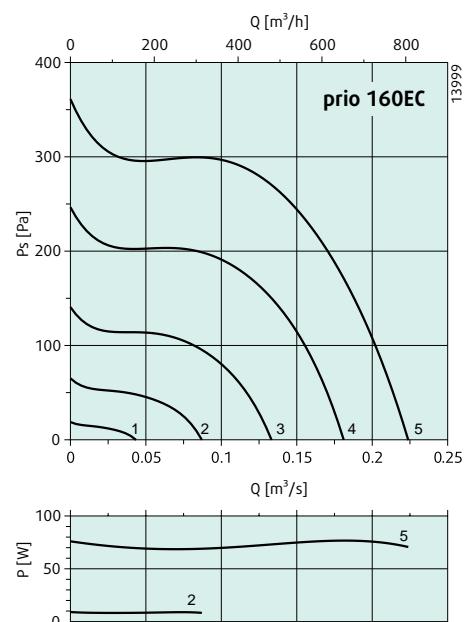
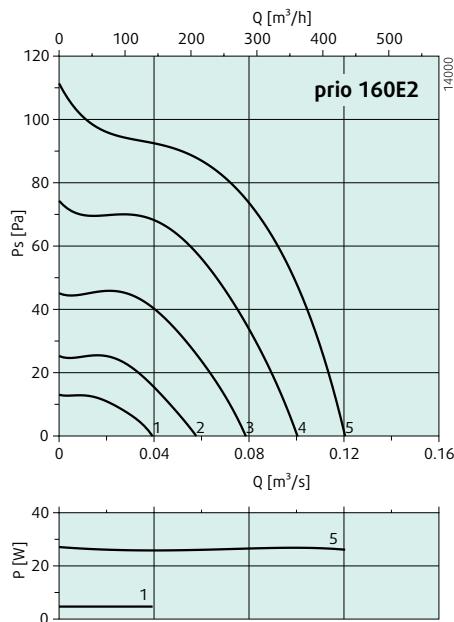


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Space-saving: Thanks to its compact dimensions the circular duct fan matches the duct dimensions. A lean inline solution.

Performance



Efficient, compact, low-noise

prioAir

NEW!

The most important advantages at a glance

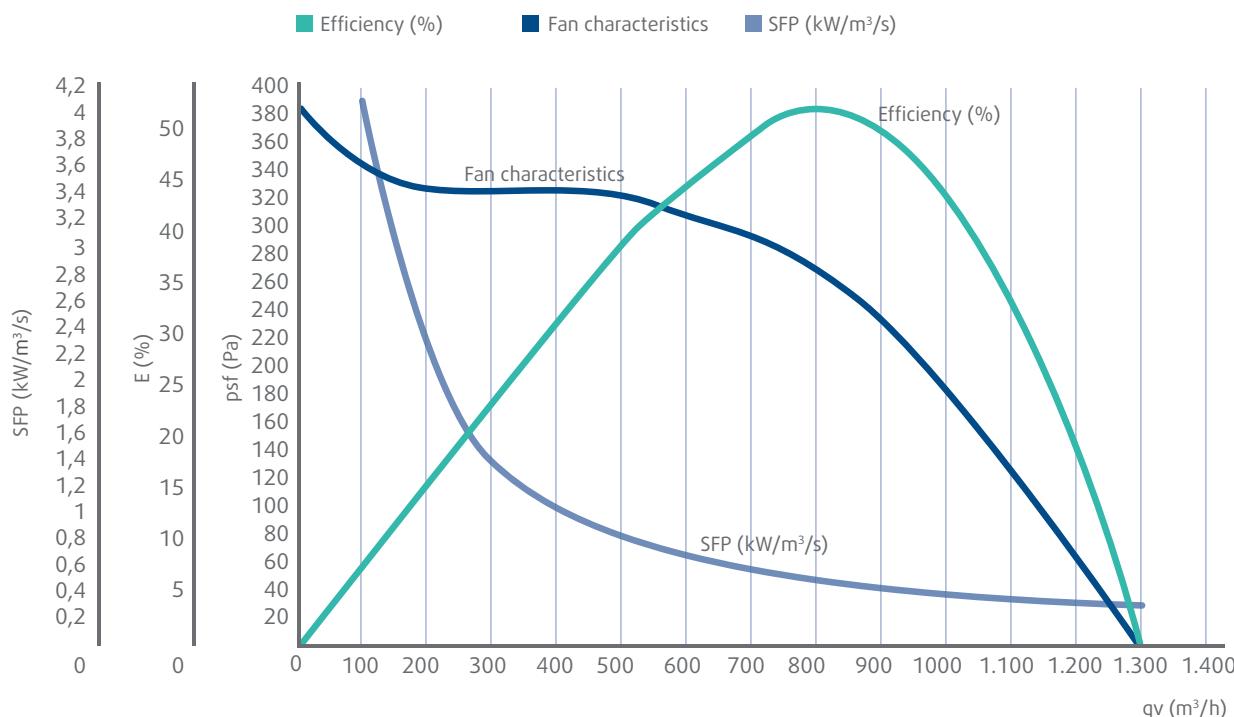
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Clever: The optimised shape of the impeller enables an ideal air stream.

High performance, low power consumption

SFP values and efficiency of prioAir 200EC



Convincing: Peak values in all disciplines