

# prio 250E2 circular duct fan

Article Number: 38333

Variant : 230V 1~ 50Hz



## Description

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

The prioAir series is designed for installation in ducts. prioAir fans have 30 mm long spigot connections in acc. with EN 1506:1997.

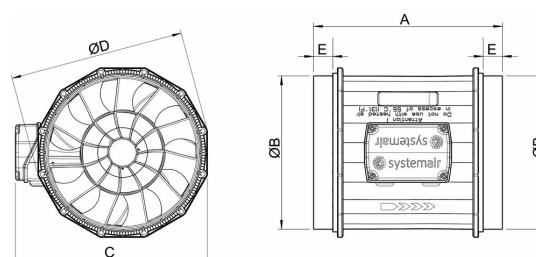
The fans have aerodynamically optimized impellers and guide vanes with integrated external rotor motor. The fans can be speed-controlled via a stepless thyristor or a 5-step transformer. To protect the motor from overheating the fan has integrated thermal contacts with manual reset in acc. with EN 60335-2-80. The air tight casing (tightness class...

[Find more details in our online catalogue](#)

## Technical parameters

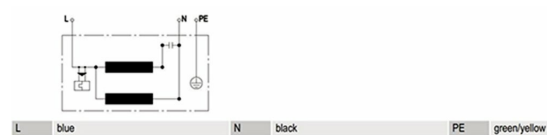
Nominal data	
Voltage (Nominal)	230 V
Frequency	50 Hz
Phase(s)	1~
Input power	194 W
Input current	0.845 A
Impeller speed	2.692 r.p.m.
Air flow	max 0.566 m³/s
Specific ratio	1,000000
Capacitance of capacitor	6 µF
Temperature of transported air	max 55 °C
Max temperature of transported air, when speed controlled	55 °C
Sound data	
Sound pressure level at 3m (20m² Sabin)	48 dB(A)
Protection/Classification	
Enclosure class, motor	IP44
Insulation class	F
Data according to ErP	
ErP ready	ErP 2018
Measurement category	D
Dimensions and weights	
Duct dimension; Circular, inlet	250 mm
Duct dimension; Circular, outlet	250 mm
Weight	5.551 kg
Others	
Duct connection type	Circular
Motor type	AC

## Dimension

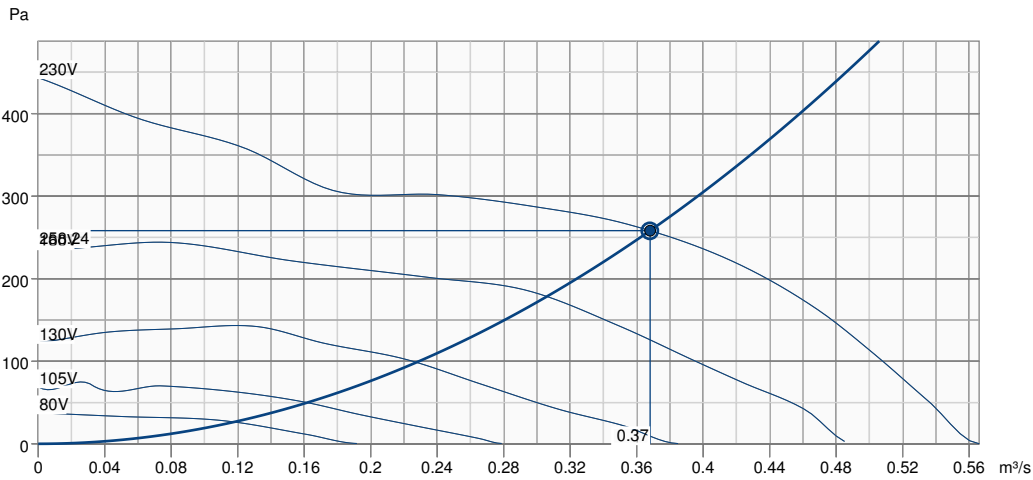


	A	ØB	C	ØD	E
prio 250	300	249	303	284	30

## Wiring



## Performance curve



### Hydraulic data

Required air flow	0.37 m³/s
Required static pressure	258 Pa
Working air flow	0.37 m³/s
Working static pressure	258 Pa
Air density	1.204 kg/m³
Power	195.5 W
Fan control - RPM	2689 rpm
Current	0.85 A
SFP	0.531 kW/m³/s
Control voltage	230.0 V
Supply voltage	230 V

Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	51	54	65	64	71	70	63	53	75
Outlet	dB(A)	47	60	63	68	71	69	63	53	75
Surrounding	dB(A)	34	30	40	45	53	50	38	23	55
Sound pressure level at 3m (20m² Sabine)	dB(A)	-	-	-	-	-	-	-	-	48
Sound pressure level at 3m free field	dB(A)	-	-	-	-	-	-	-	-	34

## Accessories

CO2RT-R-D Transmitter (6993)

FFR 250 Filter cassette (1776)

FK 250 Fast clamp (1612)

RE 1,5 Speed control (5000)

REPT 6 Digital regulator (5698)

REU 1.5 Speed control (5004)

RSK-250 Back draft damper (5603)

SG 250 Protection guard (5610)

CB 250-3,0 230V/1 Duct heater (5385)

CB 250-9,0 400V/3 Duct heater (5373)

CWK 250-3-2,5 Duct cooler,circ (30024)

LDC 250-900 Silencer (5196)

prio 250 mount. bracket compl. (79316)

VBC 250-3 Water heating batt (9843)

VK-25 Louvre shutter (5640)

STL 1.5 Speed controller (84251)

DTV500A (96807)

FGR 250 Filter cassette (1815)

FRQ5S-E-6A (37421)

REE 1 Speed control (5314)

RETP 6 Temp/Pressure regulator (32293)

REV-3POL/03 ON/OFF (33978)

RT 0-30 Room Thermostat (5151)

VKK-250 Back draft damper (1627)

CB 250-6,0 400V/2 Duct heater (5372)

CBM 250-6,0 400V/2 Duct heater (9089)

FRQS-E-6A (37419)

Presence detector/IR24-P (6995)

VBC 250-2 Water heating batt (5460)

VBF 250 Water heating battery (1733)

IGC-250 Intake grille (76878)

## Documents

MANUAL\_PRIORAIR\_EN\_[006].PDF

prioair250\_o\_rahmen.dxf

EU DECLARATION OF CONFORMITY\_PRIORAIR\_EN\_001.PDF