

PRIO 400

Item no. 93269

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Description

Circular duct fan

- Compact design
- High efficiency and low SFP in a real working point
- Low sound level
- Air tight design
- Speed-controllable
- Simple to install, mounting brackets included
- Integrated motor protection

The prio fans is designed for installation in ducts. The casing is manufactured from sheet metal. The fans can be speed-controlled via a stepless thyristor or a 5-step transformer. To protect the motor from overheating, the fans have integral thermal contact with leads for connection to a motor protection device. Outdoor mounting and wet room applications are possible due to the fans air tight casing and the IP 55 rated terminal box. The FK mounting clamp (accessory) facilitates easy installation and removal, and prevents the transfer of vibration to the duct.

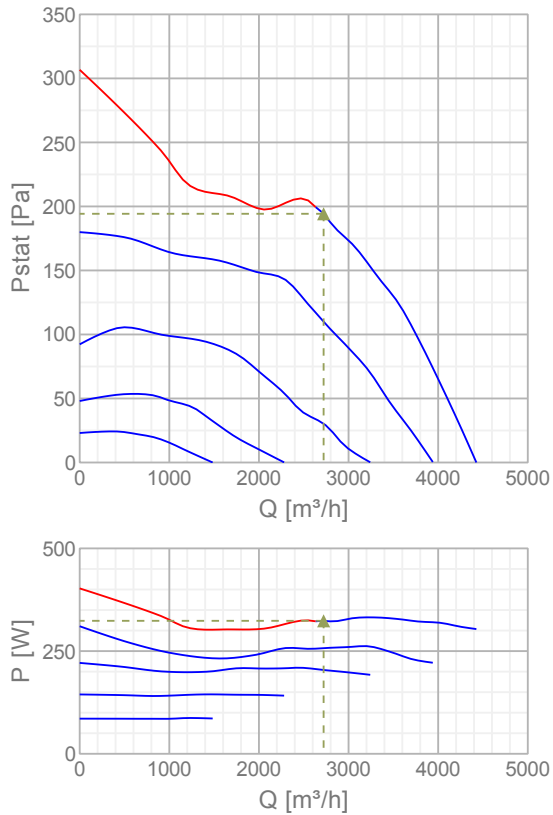


Technical parameters

Nominal data		
Voltage	230	V
Frequency	50	Hz
Phase	1	~
Input power (P1)	332	W
Current	1,74	A
Max. airflow	4424	m³/h
Fan impeller speed	1363	r.p.m.
Capacitor	6	µF
Weight	15,5	kg
Temperature data		
Max. temperature of transported air	50	°C
Max. temperature of transported air when voltage-controlled	50	°C
Sound data		
Sound pressure level at 3 m (20m² Sabin)	51	dB(A)
Protection / Classification		
Insulation class	F	
Enclosure class, motor	IP44	

Performance

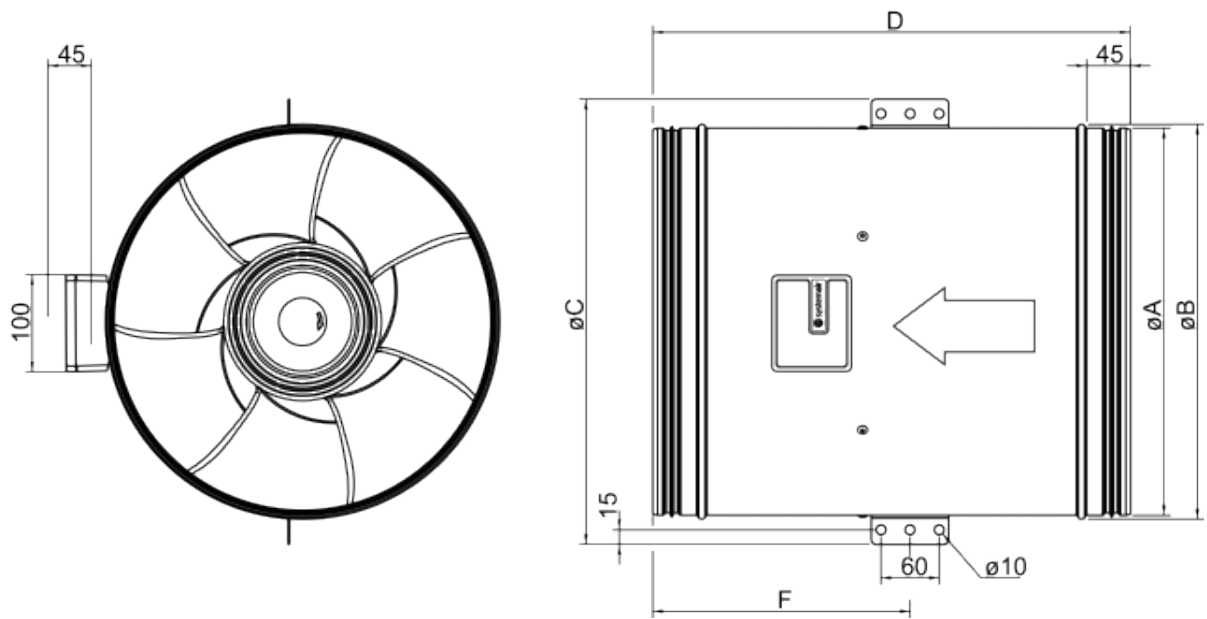
Diagrams



Max efficiency

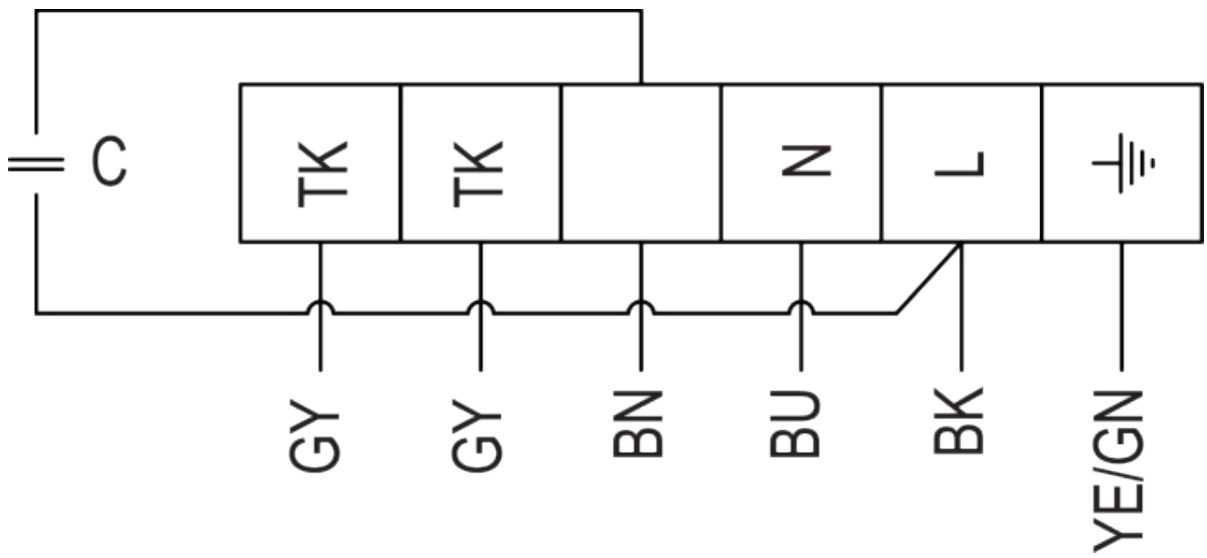
Hydraulic data										
▲ Working air flow		2722 m³/h								
▲ Working static pressure		194 Pa								
▲ Power		324 W								
Speed		1368 r.p.m.								
Current		1,71 A								
SFP		0,428 kW/(m³/s)								
Voltage		230 V								
Sound power level		63	125	250	500	1k	2k	4k	8k	Tot
Inlet	dB(A)	54	66	67	68	69	66	59	50	75
Outlet	dB(A)	55	66	73	69	70	65	59	48	77
Surrounding	dB(A)	31	47	53	54	49	44	39	21	58

Dimensions



	$\varnothing A$	$\varnothing B$	$\varnothing C$	D	F
prio 315 EC	314	322	375	407	205
prio 400 AC/EC	399	407	459	493	266

Wiring



YE	Yellow
BU	Blue
GN	Green
BN	Brown
BK	Black
GY	Gray

Accessories

Electric accessories

[RE 3 Speed control \(5001\)](#)
[REU 3 Speed control \(5005\)](#)
[RTRE 3 Speed control \(5009\)](#)
[REE 2 Speed control \(5316\)](#)
[REPT 6 Digital regulator \(5698\)](#)
[RT 0-30 Room Thermostat \(5151\)](#)
[S-ET 10 Motor Protection \(5154\)](#)
[S-ET 10E Motor Protection \(5155\)](#)
[T 120 Timer \(5165\)](#)
[CO2RT-R-D Transmitter \(6993\)](#)
[Presence detector/IR24-P \(6995\)](#)
[DTV200 \(6261\)](#)
[REV-3POL/03 ON/OFF \(33978\)](#)
[FRQS-E-6A \(37419\)](#)
[FRQ5S-E-6A \(37421\)](#)
[Safety switch 2-pole grey \(210679\)](#)

Accessories

[CB 400-6,0 400V/2 Duct heater \(5391\)](#)
[CB 400-9,0 400V/3 Duct heater \(5392\)](#)
[CB 400-12,0 400V/3 Duct heater \(5393\)](#)
[CBM 400-9,0 400V/3 Duct heater \(5487\)](#)
[VBF 400 Water heating battery \(1736\)](#)
[CWK 400-3-2,5 Duct cooler,circ \(30026\)](#)
[VBC 400-2 Water heating batt \(5462\)](#)
[LDC 400-900 Silencer \(5198\)](#)
[FFR 400 Filter cassette \(1783\)](#)
[FGR 400 Filter cassette \(1823\)](#)
[FK 400 Fast clamp \(1615\)](#)
[VKK-400 Back draft damper \(1629\)](#)
[SG 400 Protection guard \(5613\)](#)
[RSK-400 Back draft dmp. \(9973\)](#)
[VBC 400-3 Water heating batt \(9845\)](#)

Documentation



prio_Operating_maintenance_145903_CE_A003_EN.pdf (1,94MB)