

PRIO 355

Item no. 93268

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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.

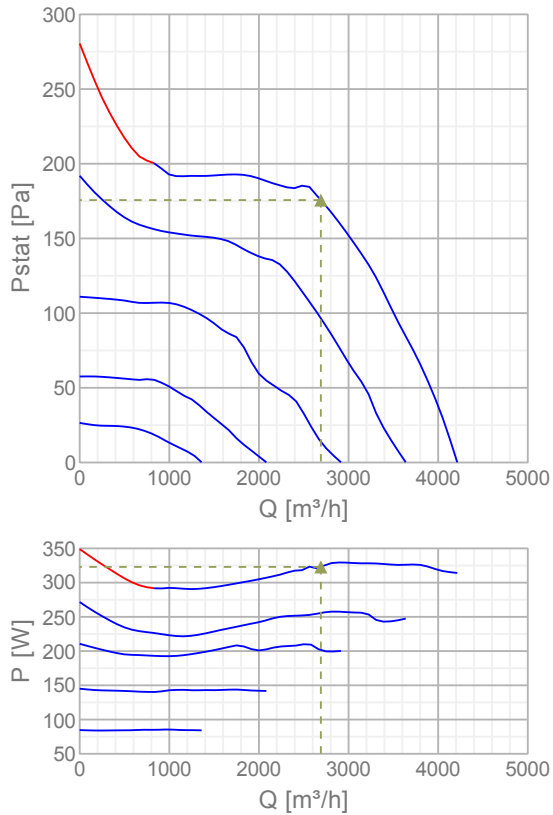


Technical parameters

Nominal data		
Voltage	230	V
Frequency	50	Hz
Phase	1	~
Input power (P1)	326	W
Current	1,74	A
Max. airflow	4212	m³/h
Fan impeller speed	1368	r.p.m.
Capacitor	6	µF
Weight	18,7	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)	52,1	dB(A)
Protection / Classification		
Insulation class	F	
Enclosure class, motor	IP44	

Performance

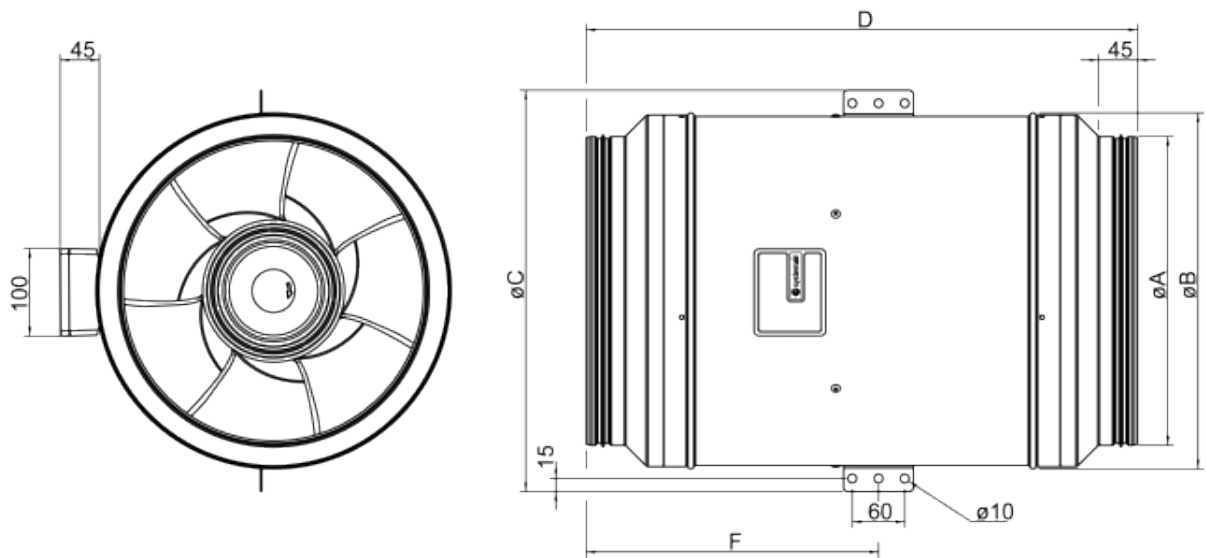
Diagrams



Max efficiency

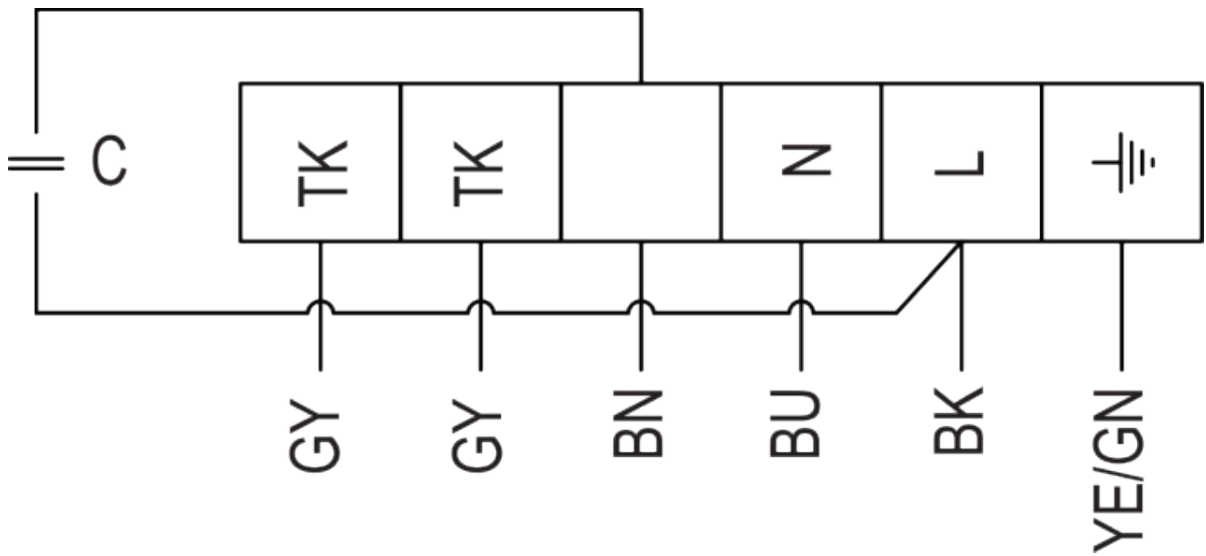
Hydraulic data										
▲ Working air flow		2691 m³/h								
▲ Working static pressure		176 Pa								
▲ Power		323 W								
Speed		1360 r.p.m.								
Current		1,69 A								
SFP		0,432 kW/(m³/s)								
Voltage		230 V								
Sound power level		63	125	250	500	1k	2k	4k	8k	Tot
Inlet	dB(A)	48	68	71	70	70	66	59	49	76
Outlet	dB(A)	51	71	72	72	72	66	59	48	78
Surrounding	dB(A)	11	40	54	55	52	46	42	21	59

Dimensions



	øA	øB	øC	D	F
prio 315 AC	313	407	459	676	357
prio 355 AC/EC	353	407	459	632	335

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 \(5698\)](#)
[HR1 Room Humidistat IP21 \(5150\)](#)
[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 \(6995\)](#)
[DTV500-OEM incl connection kit \(5044\)](#)
[REV-5POL/05 ON/OFF \(33979\)](#)
[MicroREX D21 Plus Time Switch \(17822\)](#)
[FRQS-E-6A \(37419\)](#)
[FRQ5S-E-6A \(37421\)](#)
[Safety switch 2-pole grey \(210679\)](#)

Accessories

[CB 355-6,0 400V/2 Duct heater \(5388\)](#)
[CB 355-9,0 400V/3 Duct heater \(5389\)](#)
[CB 355-12,0 400V/3 Duct heater \(5390\)](#)
[CBM 355-9,0 400V/3 Duct heater \(5486\)](#)
[LDC 355-900 Silencer \(5399\)](#)
[FFR 355 Filter cassette \(1782\)](#)
[FGR 355 Filter cassette \(1821\)](#)
[FK 355 Fast clamp \(1614\)](#)
[SG 355 Protection guard \(5612\)](#)
[VK-35 Louvre shutter \(5642\)](#)
[RSK-355 Back draft dmp. \(9972\)](#)

Documentation



prio_Operating_maintenance_145903_CE_A002_EN.pdf (1,94MB)