

PRIO 315 EC

Item no. 87795

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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
- Potentiometer included, possible to speed control 0-100%
- 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 are delivered with a pre-wired potentiometer (0-10V) that allows you to easily find the desired working point.

Outdoor mounting and wet room applications are possible due to the fans air tight casing and the IP 55 rated terminal box.

Motor protection is integrated in the electronics of the motor.

The FK mounting clamp (accessory) facilitates easy installation and removal, and prevents the transfer of vibration to the duct.

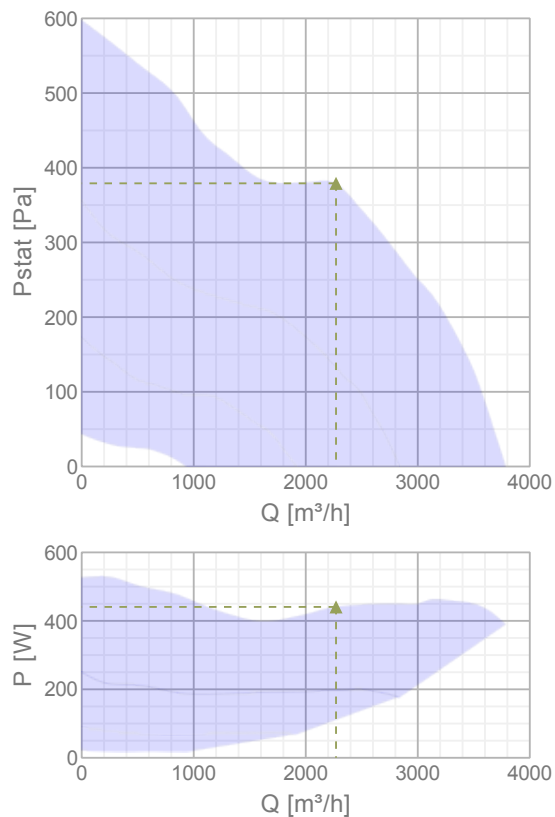


Technical parameters

Nominal data		
Voltage	230	V
Frequency	50	Hz
Phase	1	~
Input power (P1)	528	W
Current	2,32	A
Max. airflow	3784	m³/h
Fan impeller speed	2446	r.p.m.
Weight	10,2	kg
Temperature data		
Max. temperature of transported air	55	°C
Max. temperature of transported air when speed-controlled	55	°C
Sound data		
Sound pressure level at 3 m (20m² Sabin)	56,5	dB(A)
Protection / Classification		
Insulation class	F	
Enclosure class, motor	IP44	

Performance

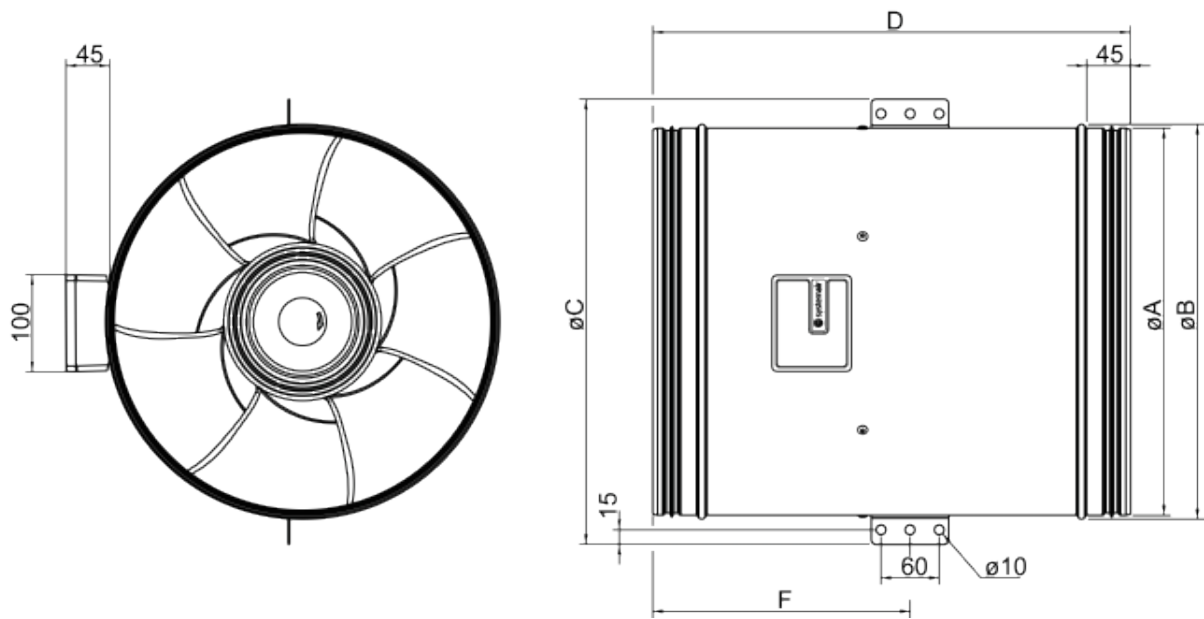
Diagrams



Max efficiency

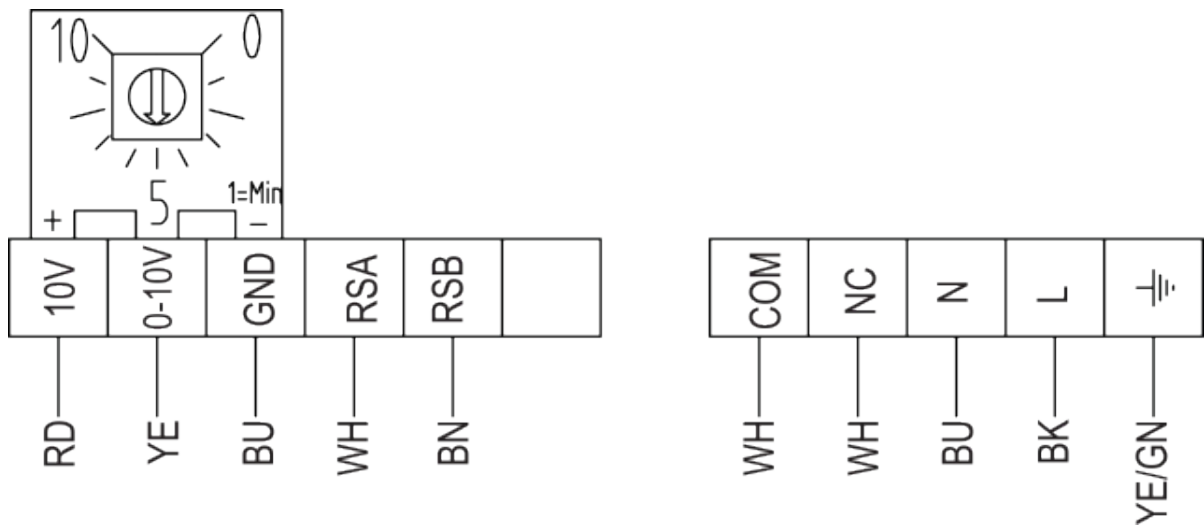
Hydraulic data										
▲ Working air flow		2270 m³/h								
▲ Working static pressure		379 Pa								
▲ Power		441 W								
Speed		2501 r.p.m.								
Current		1,93 A								
SFP		0,699 kW/(m³/s)								
Voltage		230 V								
Sound power level		63	125	250	500	1k	2k	4k	8k	Tot
Inlet	dB(A)	50	72	72	78	80	78	71	62	84
Outlet	dB(A)	59	64	75	76	79	76	70	61	83
Surrounding	dB(A)	15	37	52	60	58	54	51	37	63

Dimensions



	øA	øB	øC	D	F
prio 315 EC	314	322	375	407	205
prio 400 AC/EC	399	407	459	493	266

Wiring



RD	Red
YE	Yellow
BU	Blue
WH	White
GN	Green
BN	Brown
BK	Black

Accessories

Electric accessories

[HR1 Room Humidistat IP21 \(5150\)](#)
[RT 0-30 Room Thermostat \(5151\)](#)
[CO2RT-R-D Transmitter \(6993\)](#)
[Presence detector/IR24-P \(6995\)](#)
[CXE/AVC 230V ZEC640 Regulator \(7579\)](#)
[MTV-1/010 Controller 0..10V+ \(30650\)](#)
[MTP 10..10K. Speed control \(32731\)](#)
[EC-Vent Room Unit \(3018\)](#)
[EC-Vent control board \(3115\)](#)
[MTP 20, on/off, 3-step \(310220\)](#)
[EC-Basic-H humidity \(24807\)](#)
[EC-Basic-T temperature \(24805\)](#)
[EC-Basic-U universal 0-10V \(24806\)](#)
[EC-Basic-CO2 and temperature \(24808\)](#)
[EC-Selector \(9908\)](#)
[CXE/AVC Modbus \(37256\)](#)
[S-5EC/FRQ \(76738\)](#)
[PCA 1000D2 Pressure controller \(76739\)](#)
[Safety switch 2-pole grey \(210679\)](#)

Accessories

[CB 315-6,0 400V/2 Duct heater \(5374\)](#)
[CB 315-9,0 400V/3 Duct heater \(5375\)](#)
[CB 315-3,0 230V/1 Duct heater \(5386\)](#)
[CB 315-12,0 400V/3 Duct heater \(5387\)](#)
[CBM 315-9,0 400V/3 Duct heater \(5485\)](#)
[VBF 315 Water heating battery \(1734\)](#)
[CWK 315-3-2,5 Duct cooler.circ \(30025\)](#)
[VBC 315-2 Water heating batt \(5461\)](#)
[LDC 315-900 Silencer \(5197\)](#)
[FFR 315 Filter cassette \(1779\)](#)
[FGR 315 Filter cassette \(1818\)](#)
[FK 315 Fast clamp \(1613\)](#)
[VKK-315 Back draft damper \(1628\)](#)
[RSK-315 Back draft damper \(5604\)](#)
[SG 315 Protection guard \(5611\)](#)
[VK-30 Louvre shutter \(5641\)](#)
[VBC 315-3 Water heating batt \(9844\)](#)
[IGC-LI-315 \(37362\)](#)

Documentation



prio_Operating_maintenance_145903_CE_A002_EN.pdf (1,94MB)