

PRIO 355 EC

Item no. 87999

Document type: **Product card**
 Document date: **2018-09-14**
 Generated by: **Systemair Online Catalogue**



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.

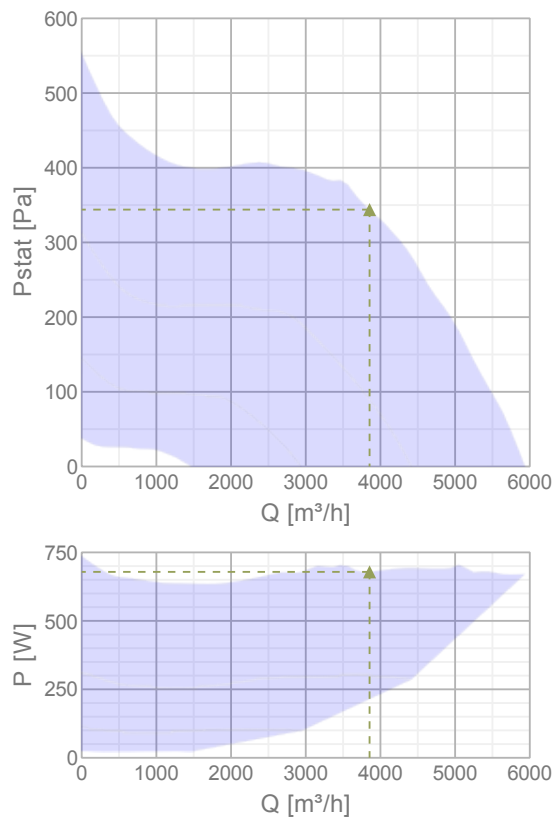


Technical parameters

Nominal data		
Voltage	230	V
Frequency	50	Hz
Phase	1	~
Input power (P1)	738	W
Current	3,24	A
Max. airflow	5929	m³/h
Fan impeller speed	1900	r.p.m.
Weight	18,9	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)	59,9	dB(A)
Protection / Classification		
Insulation class	F	
Enclosure class, motor	IP44	

Performance

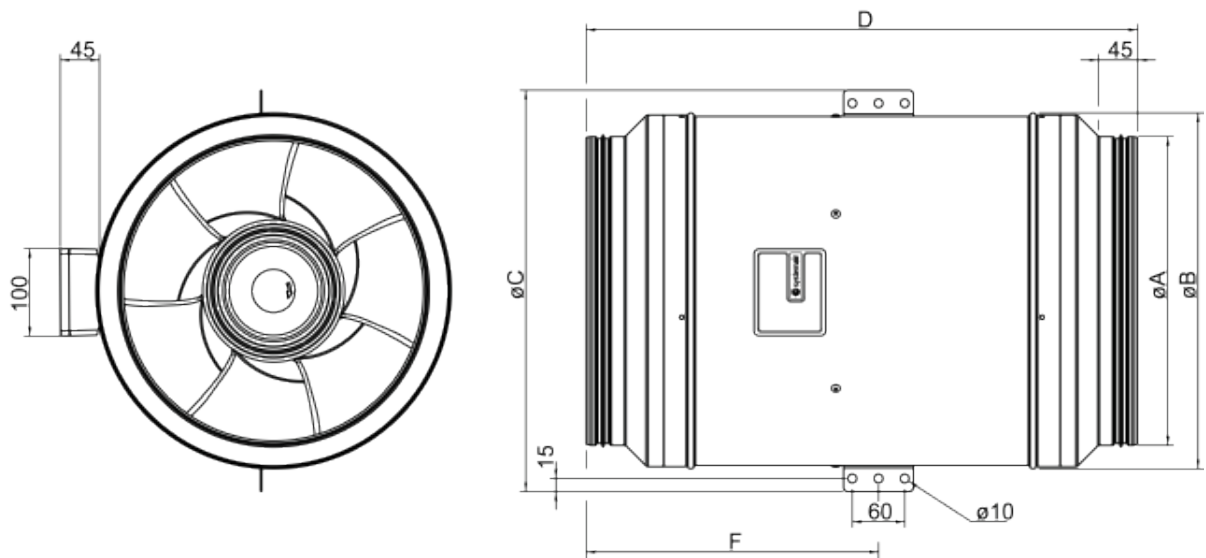
Diagrams



Max efficiency

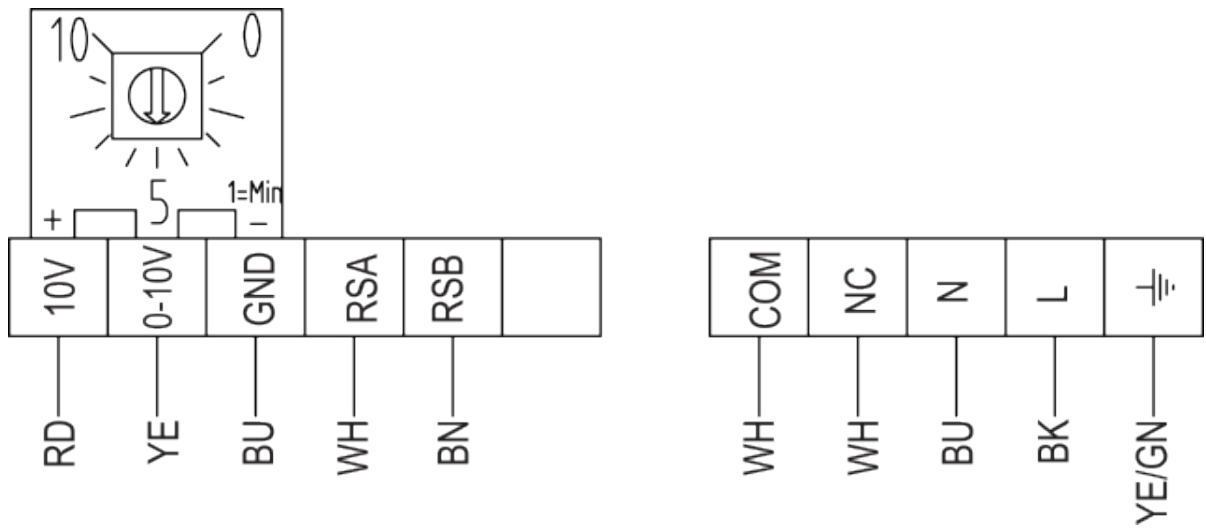
Hydraulic data										
▲ Working air flow		3855 m³/h								
▲ Working static pressure		344 Pa								
▲ Power		679 W								
Speed		1920 r.p.m.								
Current		2,97 A								
SFP		0,634 kW/(m³/s)								
Voltage		230 V								
Sound power level		63	125	250	500	1k	2k	4k	8k	Tot
Inlet	dB(A)	51	69	77	77	79	76	69	60	84
Outlet	dB(A)	56	73	80	80	82	77	70	60	86
Surrounding	dB(A)	10	41	59	63	61	57	54	33	67

Dimensions



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

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 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)