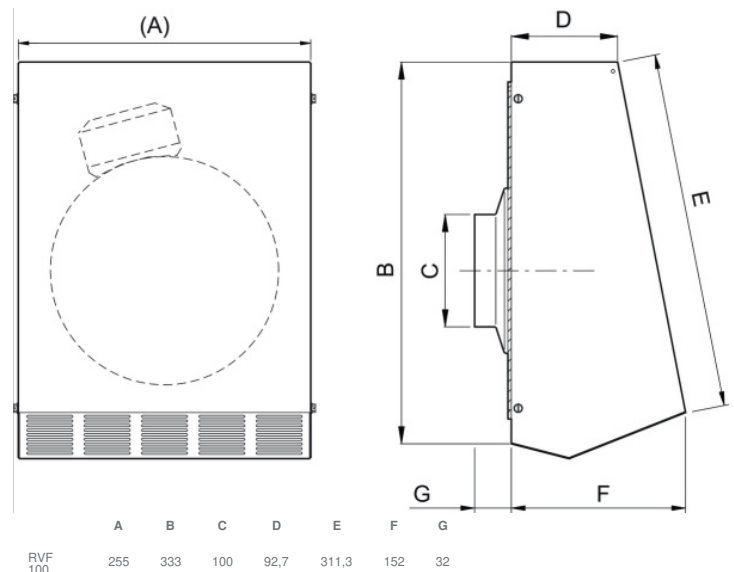




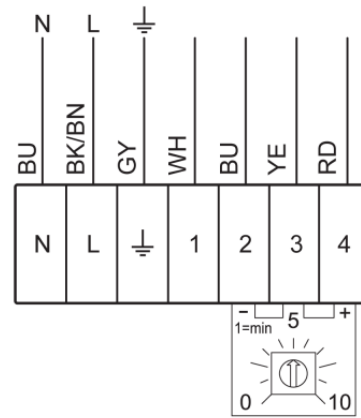
## Technical parameters

Nominal data	
Voltage (nominal)	230 V
Frequency	50 Hz
Phases	1~
Input power	88 W
Input current	0.751 A
Impeller speed	3,809 rpm
Air flow	max 109 L/s
Temperature of transported air	max 60 °C
Max temperature of transported air, when speed controlled	60 °C
Sound data	
Sound pressure level at 3m (20m <sup>2</sup> Sabin)	45 dB(A)
Protection/Classification	
Enclosure class, motor	IP44
Insulation class	B
Data according to ErP	
ErP ready	ErP 2016; ErP 2018
Dimensions and weights	
Weight	4.2 kg
Others	
Motor type	EC

## Dimension



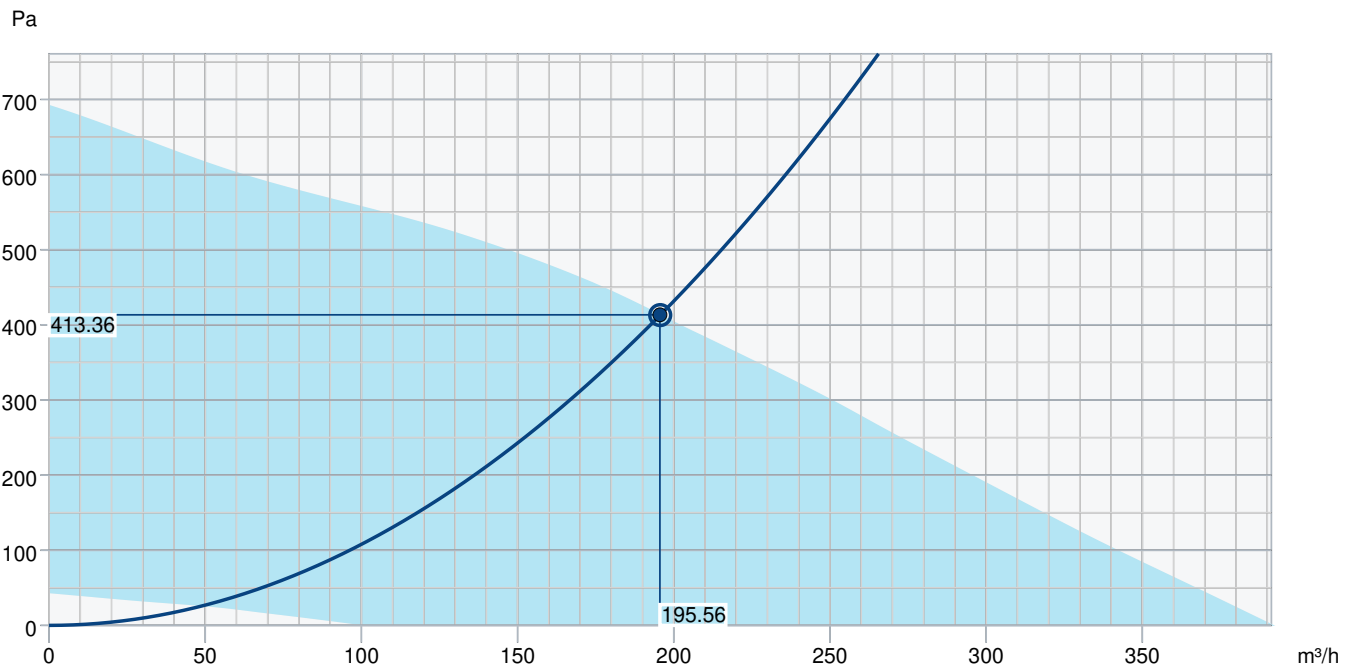
## Wiring



Terminal	Cable	Description
N	BU = Blue	
L	BK/BN = Black or Brown	
GND	GY = Green/Yellow	
1	WH = White	Tacho output, Isink max 10mA
2	BU = Blue	GND
3	YE = Yellow	Control input 0-10 VDC/PWM
4	RD = Red	Output 10 VDC max 1.1 mA

Internal potentiometer is mounted (removable) on the terminal block from the factory. Remove the internal potentiometer when you use an external speed controller for the EC fan.

## Performance curve



Hydraulic data										
Required air flow										195.66 m³/h
Required static pressure										413 Pa
Working air flow										195.56 m³/h
Working static pressure										413 Pa
Air density										1.204 kg/m³
Power										83.7 W
Fan control - RPM										3,936 rpm
Current										0.70 A
SFP										0.43 W/m³/h
Control voltage										10.0 V
Supply voltage										230 V
Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	59	66	72	76	72	68	62	56	80
Outlet	dB(A)	35	50	64	72	70	69	66	58	76
Accessories										

## Accessories

CXE/AVC Modbus (37256)

EC-Basic-CO2 and temperature (24808)

EC-Basic-T temperature (24805)

EC-Selector (9908)

EC-Vent Room Unit (3018)

MTV-1/010 Controller 0..10V+ (30650)

REV-3POL/03-7.5kW R/Y (33978)

VKK-100 Back draft damper (1623)

HR1 Room Humidistat (215150)

MM6-24/D Signal Converter (13695)

RT 0-30 Room Thermostat (5151)

CB 100-0,4 230V/1 Duct heater (5288)

CBM 100-0,6 230V/1 Duct heater (5479)

CWK 100-3-2.5 Duct cooler,circ (30019)

FGR 100 Filter cassette (1802)

LDC 100-300 Silencer (8180)

LDC 100-900 Silencer (5189)

VBC 100-2 Water heating batt (5456)

VBF 100 Water heating battery (1724)

DMD-C Pressure controller (15793)

EC-Basic-H humidity (24807)

EC-Basic-U universal 0-10V (24806)

EC-Vent control board (3115)

MTP 10, 10K, Speed control (32731)

Potentiometer MTP 20, 0-10V (310220)

SG 100 Protection guard (5606)

CO2RT-R-D Transmitter (6993)

IGK-100 Wall Grid (1630)

Presence detector/IR24-P (6995)

Safety switch 2-pole grey (210679)

CB 100-0,6 230V/1 Duct heater (5376)

CBMF 100-0,6 230V/1 Duct heater (12241)

FFR 100 Filter cassette (1766)

FK 100 Fast clamp (1607)

LDC 100-600 Silencer (5188)

RSK-100 Back draft damper (5597)

VBC 100-3 Water heating batt (9838)

## Documents

RVF\_IMO.pdf

RVF 100 EC .dxf

COMMISSIONING\_RECORD\_FANS\_\_EN.PDF

BVD VÄGGFLÄKT RVF EC ID2.PDF