

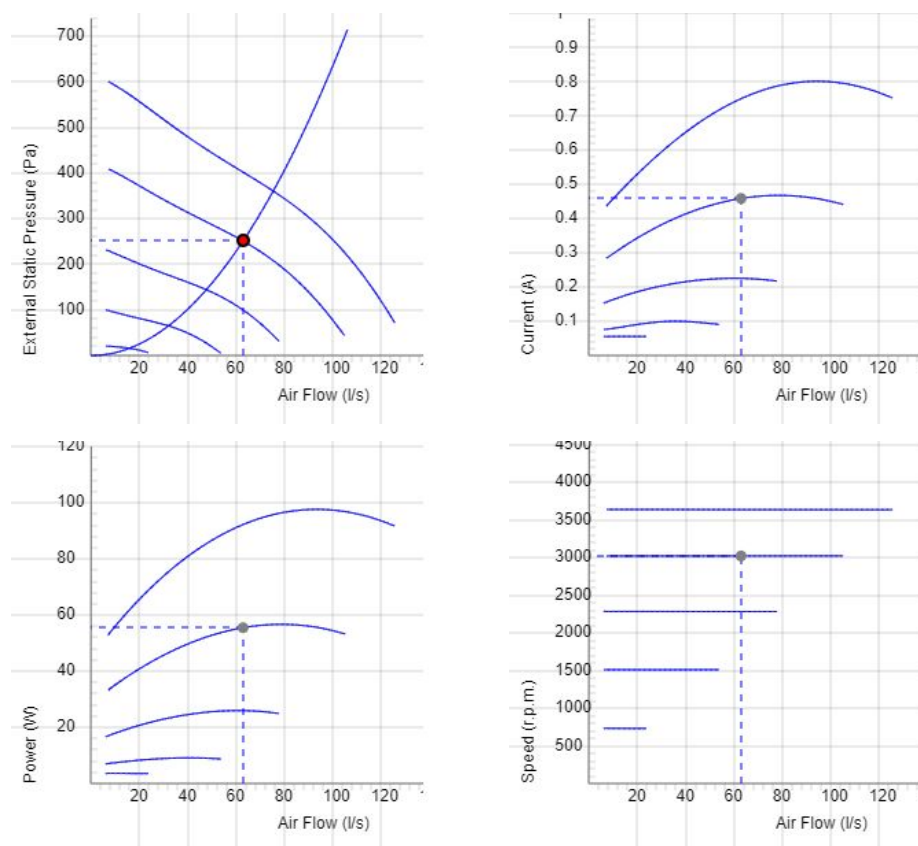
RS 100 C1 EC



- Exhaust wall fan with circular inlet connection.
- Designed for mounting on external wall.
- Impeller with backward curved blades.
- The external rotor motor has maintenance-free sealed ball-bearings and is very energy efficient.
- Integrated motor protection.
- Junction box has enclosure class IP 54.
- Speed controlling can be done with the built-in potentiometer, 0-10 V alt. external control.
- Fan housing is manufactured from galvanized sheet steel.
- Black painted for high durability.



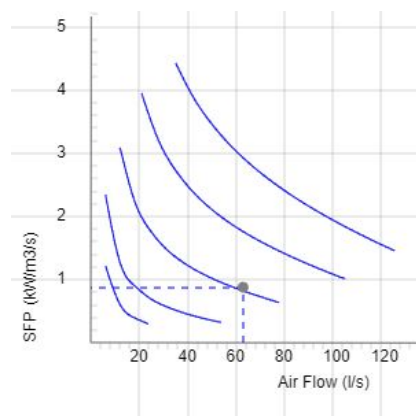
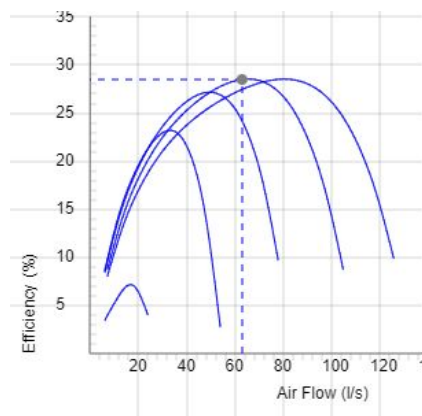
DIAGRAMS



Data

Air Flow (l/s)	External static pressure (Pa)	Power (W)	Speed (r.p.m.)	Current (A)	Voltage (V)
63	251	55.5	3021	0.459	8

DIAGRAMS

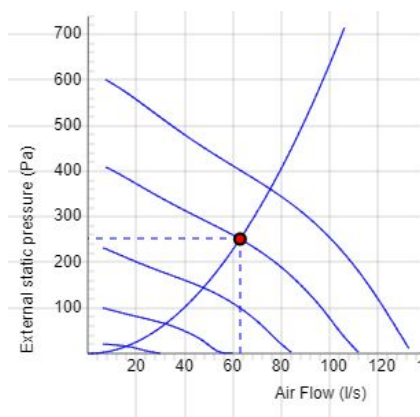


DATA

Efficiency (%)
28.5

SFPv (kW/m³/s)
0.881

SOUND DATA



	Tot	63	125	250	500	1k	2k	4k	8k
Inlet Lw dB(A)	79	57	59	73	75	70	68	62	53
Surrounding Lw dB(A)	76	37	46	65	71	70	71	64	55
Surrounding Lp dB (A) 20m² Sabine, hemispherical 3m	69								

Data - SOUND

Air Flow (l/s)	External static pressure (Pa)	Power (W)	Speed (r.p.m.)	Current (A)	Efficiency (%)	SFPv (kW/m³/s)	Voltage (V)
63	251	55.5	3021	0.459	28.5	0.881	8

TECHNICAL DATA

RS 100 C1 EC-y1 7400042

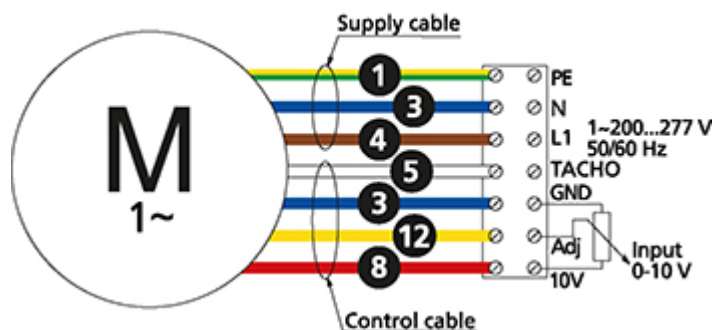
Parameter	Value	Unit
Voltage	230	V
Phase	1	~
Frequency	50/60	Hz
Power	98	W
Current	0.8	A
Speed	3630	r.p.m.
Max. temperature of transported air	60	°C
Sound pressure level at 3 m	73	dB(A)
Weight	2.5	kg
Enclosure class	44	IP
Insulation class, motor	F	
Duct connection	100	mm
Max. flow @ 0Pa	134	l/s
Max. pressure	615	Pa
Voltage range	200-277	V

PRODUCT INFORMATION SHEET

Parameter	Value	Unit
(a) Manufacturer	Östberg	-
(b) Model code	RS 100 C1 EC	-
(c) Declared type	NRVU / UVU	-
(d) Type of drive	Variable speed drive	-
(e) Type of HRS	N/A	-
(f) Thermal efficiency	N/A	%
(g) Nominal flow rate	0.089	m ³ /s
(h) Effective power input	0.098	kW
(i) SFP int	N/A	W/(m ³ /s)
(j) Face velocity	11.4	m/s
(k) Nominal external pressure	312	Pa
(l) Internal pressure drop	N/A	Pa
(n) Static efficiency	45.0	%
(o) External (and internal) leakage rate	N/A (N/A)	%
(p) Filter classification	N/A	%
(q) Visual filter warning	N/A	-
(r) Sound power level	80	dB LwA
(s) Disassembly instructions	fsp.ostberg.com	-

WIRING DIAGRAM

4040153



(M) = Fan Motor

(M1) = Fan Motor

(M2) = Fan Motor

(M3) = Rotor Motor

1 = Yellow/Green

2 = Black

3 = Blue

4 = Brown

5 = White

6 = Orange

7 = Grey

8 = Red

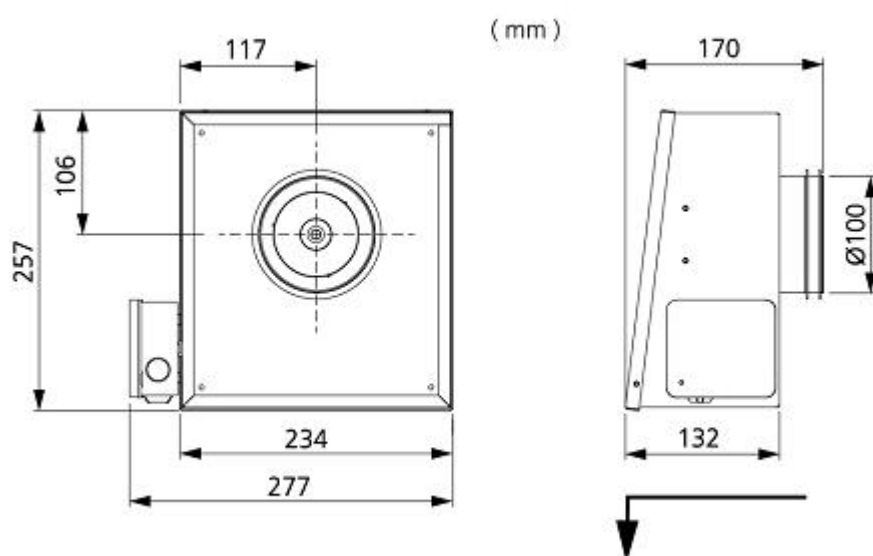
9 = Green

10 = Violet

11 = Quick switch

12 = Yellow

DIMENSIONS



ACCESSORIES

Mechanical accessories



Back draught shutter RSK 100
Silencer LDC 100

Electrical accessories



Speed controller MS EC
Controller IQ-Reg EC
Pressure regulator CALAIR-PR-230V
Pressure regulator FKP-R