

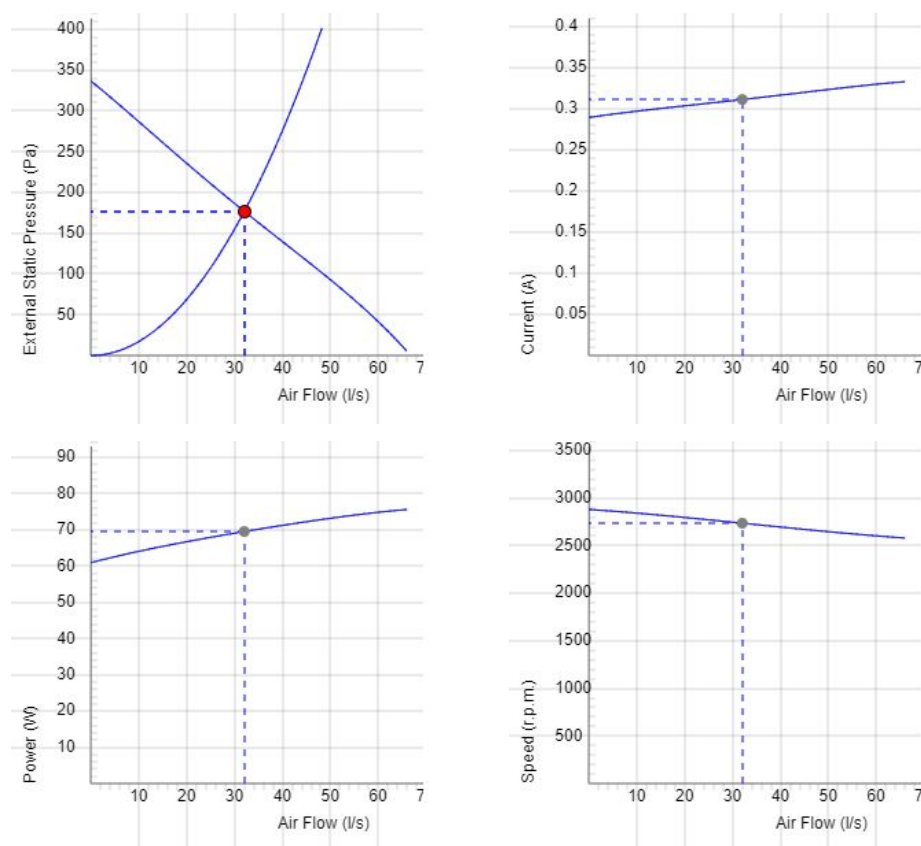
RS 100 C1



- 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.
- Integrated motor protection.
- Junction box has enclosure class IP 54.
- For speed control a transformer or electronic speed controller can be connected.
- Fan housing is manufactured from galvanized sheet steel.
- Black painted for high durability.
- To comply with the ErP 2018 regulation, a local demand controller must be used.



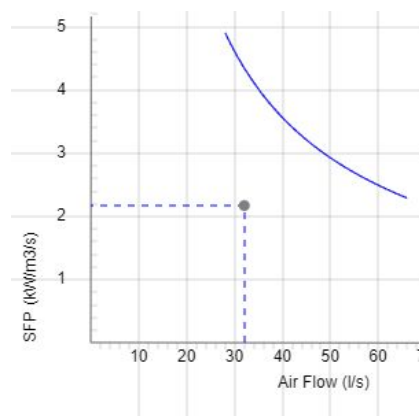
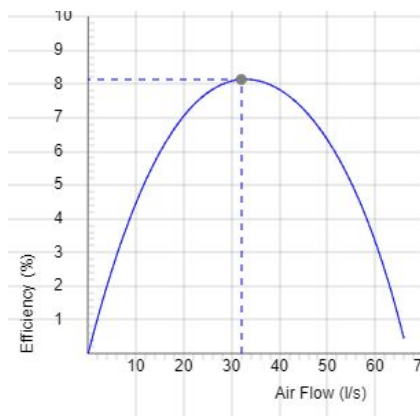
DIAGRAMS



Data

Air Flow (l/s)	External static pressure (Pa)	Power (W)	Speed (r.p.m.)	Current (A)	Voltage (V)
32	177	69.5	2736	0.312	230

DIAGRAMS

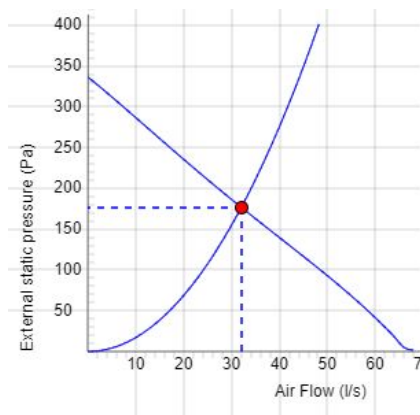


DATA

Efficiency (%)
8.14

SFPv (kW/m³/s)
2.17

SOUND DATA



	Tot	63	125	250	500	1k	2k	4k	8k
Inlet Lw dB(A)	74	61	61	66	68	69	64	58	52
Surrounding Lw dB(A)	71	39	46	59	66	66	64	58	48
Surrounding Lp dB (A) 20m ² Sabine, hemispherical 3m	64								

Data - SOUND

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32	177	69.5	2736	0.312	8.14	2.17	230

TECHNICAL DATA

Parameter	RS 100 C1 aut tp 7400022		RS 100 C1 man tp 7400027	
	Value	Unit	Value	Unit
Voltage	230	V	230	V
Phase	1	~	1	~
Frequency	50	Hz	50	Hz
Optional frequency	60	Hz	60	Hz
Power	76	W	76	W
Current	0.34	A	0.34	A
Speed	2490	r.p.m.	2490	r.p.m.
Max. temperature of transported air	60	°C	60	°C
Max. temperature of transported air when speed controlled	60	°C	60	°C
Sound pressure level at 3 m	63	dB(A)	63	dB(A)
Weight	3.4	kg	3.4	kg
Enclosure class	44	IP	44	IP
Insulation class, motor	F		F	
Capacitor	2	µF	2	µF
Duct connection	100	mm	100	mm
Max. flow @ 0Pa	67	l/s	67	l/s
Max. pressure	334	Pa	334	Pa
Voltage range	220-240	V	220-240	V

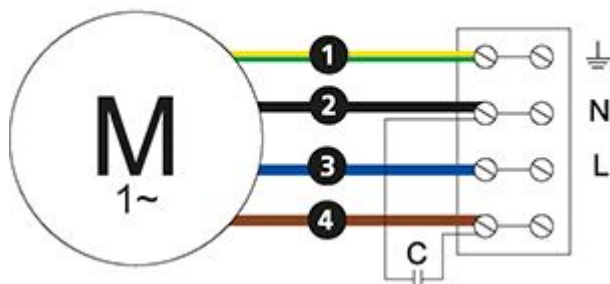
PRODUCT INFORMATION SHEET

Parameter	Value	Unit
(a) Manufacturer	Östberg	-
(b) Model code	RS 100 C1	-
(c) SEC average climate	-22.4	kWh/m ²
SEC average climate, class	D	-
SEC warm climate	-6.9	kWh/m ²
SEC warm climate, class	F	-
SEC cold climate	-49.5	kWh/m ²
SEC cold climate, class	A+	-
(d) Declared type	RVU / UVU	-
(e) Type of drive	Multi-speed drive	-
(f) Type of heat recovery	None	-
(g) Thermal efficiency	None	%
(h) Max. flow rate (@100Pa)	175	m ³ /h
(i) Power at max. flow rate	73	W
(j) Sound power level	69	dB LwA
(k) Reference flow rate	0.058	m ³ /s
(l) Reference pressure difference	100	Pa
(m) SPI	0.36	W/(m ³ /h)
(n) Type of control/ctrl factor	Local demand control(accessory)/0.65	-
(o) External (and internal) leakage rate	N/A (N/A)	%
(p) Mixing rate	N/A	-
(q) Visual filter warning	N/A	-
(r) Instruction supply/exhaust grilles	See manual	-
(s) Disassembly instructions	fsp.ostberg.com	-
(t) Airflow sensitivity	N/A	-
(u) Air tightness	N/A	m/s
(v) AEC	234	kWh

Parameter	Value	Unit
(w) AHS average	2830	kWh
AHS warmer	1280	kWh
AHS colder	5536	kWh

WIRING DIAGRAM

4040001



(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

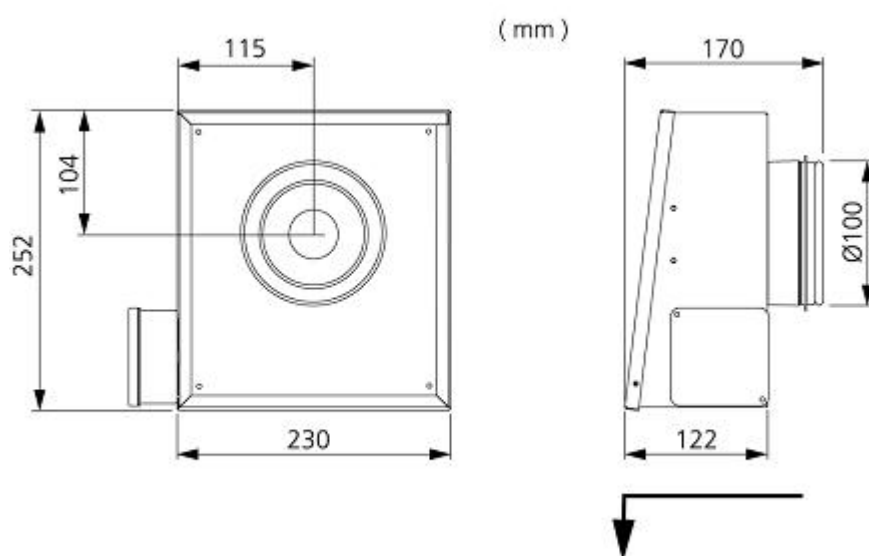
9 = Green

10 = Violet

11 = Quick switch

12 = Yellow

DIMENSIONS



ACCESSORIES

Mechanical accessories



Back draught shutter RSK 100
Silencer LDC 100

Electrical accessories



Transformer
controller VRTE C



Transformer
controller VRDE 1.5



Speed controller
VRS 0.5



Local Demand
Controller Kit