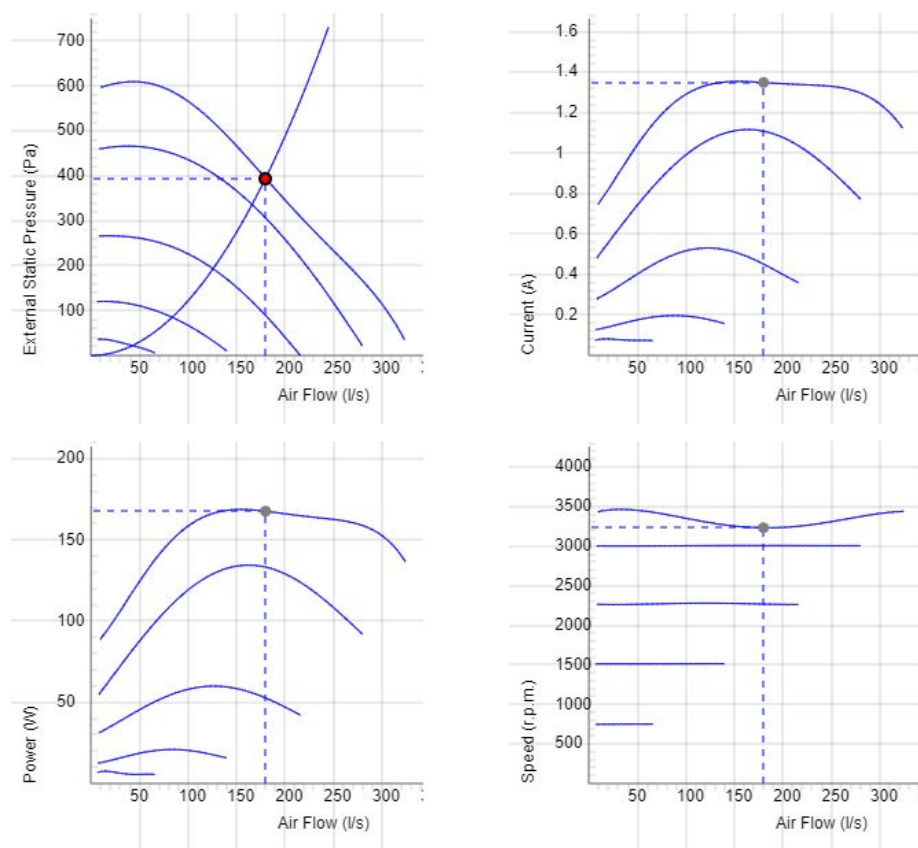


CK 250 B1 EC



- Duct fan with circular connections.
- Proven performance and reliability.
- Compact with high capacity and efficiency.
- Low sound levels.
- Impeller with backward curved blades.
- The external rotor motor has maintenance-free sealed ball-bearings and is very energy efficient.
- Speed controlling can be done with the built-in potentiometer, 0-10 V alt. external control.
- Integrated motor protection.
- Junction box has enclosure class IP 54.
- Fan housing is manufactured from galvanized sheet steel.
- The fan is intended to be installed in a duct system.
- A duct connected fan can be installed outside or in damp environments.
- Easy installation in any position

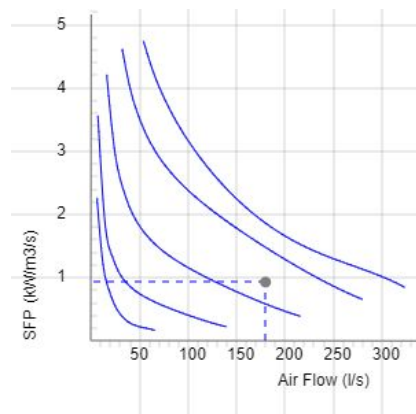
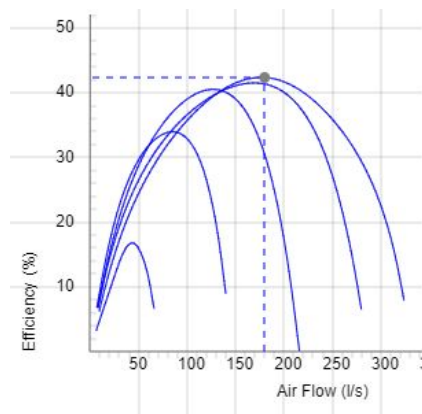
DIAGRAMS



Data

Air Flow (l/s)	External static pressure (Pa)	Power (W)	Speed (r.p.m.)	Current (A)	Voltage (V)
180	395	168	3232	1.35	10

DIAGRAMS

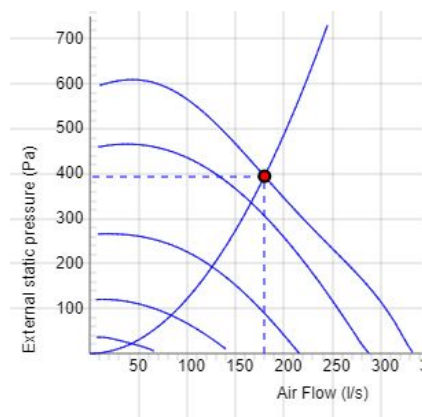


DATA

Efficiency (%)
42.4

SFP (kW/m3/s)
0.932

SOUND DATA



	Tot	63	125	250	500	1k	2k	4k	8k
Inlet Lw dB(A)	77	57	63	68	69	72	69	67	60
Outlet Lw dB(A)	78	56	60	69	69	73	71	68	59
Surrounding Lw dB(A)	53	26	27	37	49	48	46	44	33
Surrounding Lp dB (A) 20m ² Sabine, hemispherical 3m	46								

Data - SOUND

Air Flow (l/s) 180	External static pressure (Pa) 395	Power (W) 168	Speed (r.p.m.) 3232	Current (A) 1.35	Efficiency (%) 42.4	SFP (kW/m3/s) 0.932	Voltage (V) 10
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TECHNICAL DATA

CK 250 B1 EC-y2 7001263

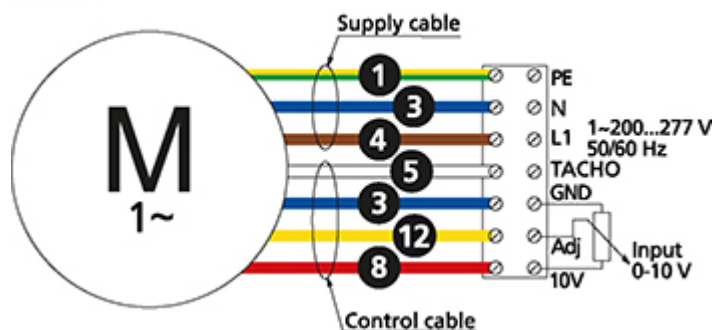
Parameter	Value	Unit
Voltage	230	V
Phase	1	~
Frequency	50/60	Hz
Power	169	W
Current	1.35	A
Speed	3200	r.p.m.
Max. temperature of transported air	60	°C
Sound pressure level at 3 m	46	dB(A)
Weight	3.7	kg
Enclosure class	44	IP
Insulation class, motor	F	
Duct connection	250	mm
Max. flow @ 0Pa	332	l/s
Max. pressure	608	Pa
Voltage range	200-277	V

PRODUCT INFORMATION SHEET

Parameter	Value	Unit
(a) Manufacturer	Östberg	-
(b) Model code	CK 250 B1 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	0.224	m ³ /s
(h) Effective power input	0.164	kW
(i) SFP int	N/A	W/(m ³ /s)
(j) Face velocity	4.6	m/s
(k) Nominal external pressure	315	Pa
(l) Internal pressure drop	N/A	Pa
(n) Static efficiency	44.2	%
(o) External (and internal) leakage rate	0.25 (N/A)	%
(p) Filter classification	N/A	%
(q) Visual filter warning	N/A	-
(r) Sound power level	53	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

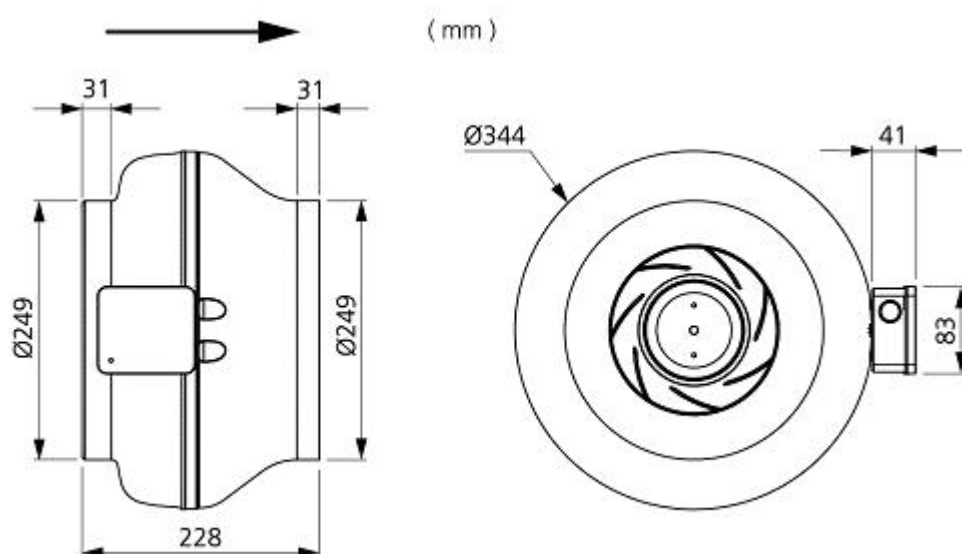
9 = Green

10 = Violet

11 = Quick switch

12 = Yellow

DIMENSIONS



ACCESSORIES

Mechanical accessories



Mounting bracket Kit MB



Mounting clamp MK 250



Filterbox FLK 250



Filterbox FLF 250



Safety grille BSV 250



Back draught shutter RSK 250



Louvre YG 250



Louvre shutter VK 250



Silencer LDC 250

Electrical accessories



Speed controller MS EC



Controller IQ-Reg EC



Plejd Controller EC



Pressure regulator CALAIR-PR-230V



Pressure regulator FKP-R