

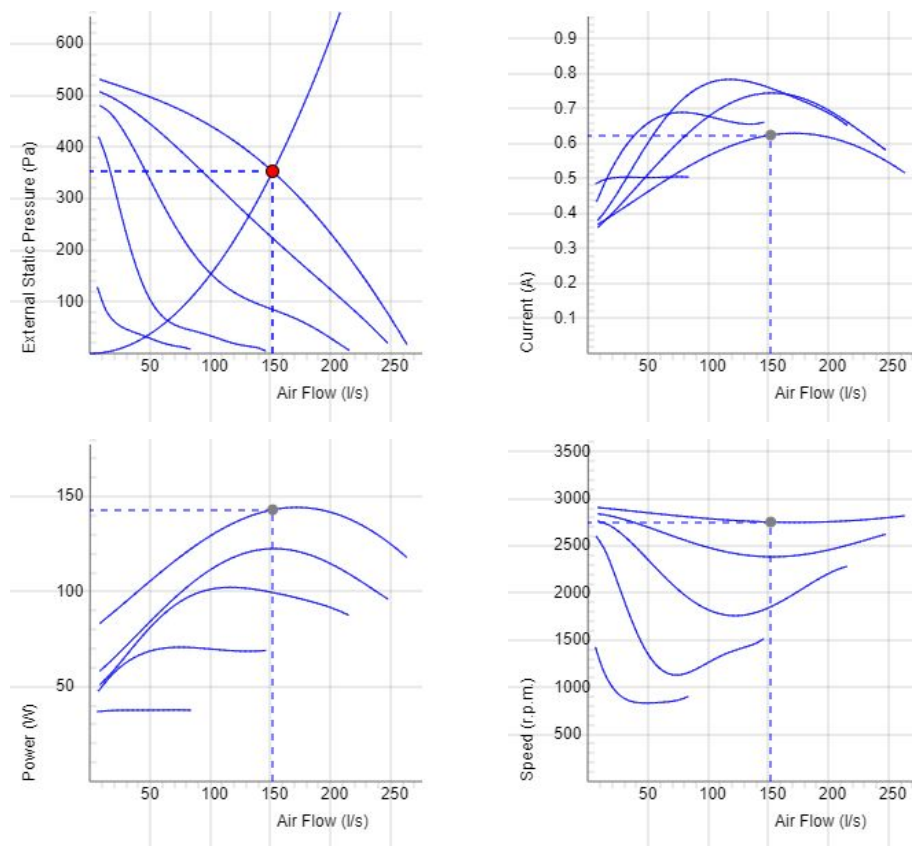
CK 250 B1



- Duct fan with circular connections.
- Proven performance and reliability.
- Compact with high capacity and efficiency.
- Low sound levels.
- Operational in both 50 and 60 Hz.
- Impeller with backward curved blades.
- The external rotor motor has maintenance-free sealed ball-bearings and is very energy efficient.
- For speed control a transformer or electronic speed controller can be connected.
- 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.



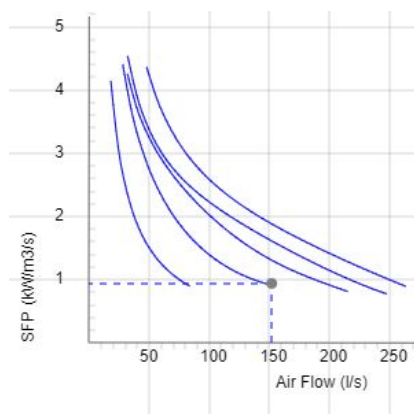
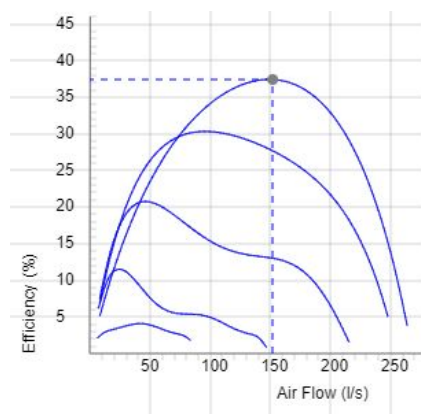
DIAGRAMS



Data

Air Flow (l/s)	External static pressure (Pa)	Power (W)	Speed (r.p.m.)	Current (A)	Voltage (V)
152	352	143	2754	0.625	230

DIAGRAMS

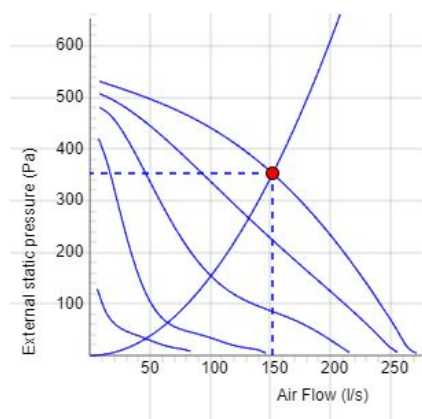


DATA

Efficiency (%)
37.4

SFP (kW/m3/s)
0.942

SOUND DATA



	Tot	63	125	250	500	1k	2k	4k	8k
Inlet Lw dB(A)	72	52	59	64	64	67	63	63	61
Outlet Lw dB(A)	74	54	59	70	65	67	65	63	60
Surrounding Lw dB(A)	51	30	31	41	44	46	43	42	34
Surrounding Lp dB (A) 20m ² Sabine, hemispherical 3m	44								

Data - SOUND

Air Flow (l/s)	External static pressure (Pa)	Power (W)	Speed (r.p.m.)	Current (A)	Efficiency (%)	SFP (kW/m3/s)	Voltage (V)
152	352	143	2754	0.625	37.4	0.942	230

TECHNICAL DATA

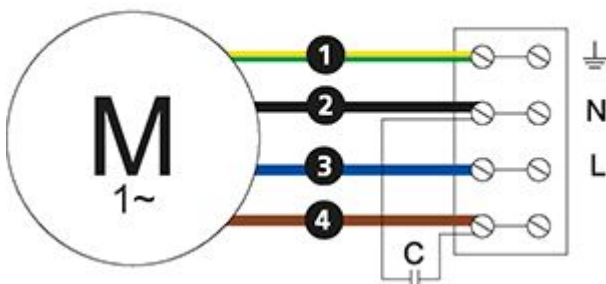
Parameter	CK 250 B1 aut tp 7000066		CK 250 B1 man tp 7000022	
	Value	Unit	Value	Unit
Voltage	230	V	230	V
Phase	1	~	1	~
Frequency	50	Hz	50	Hz
Optional frequency	60	Hz	60	Hz
Power	145	W	145	W
Current	0.63	A	0.63	A
Current when speed controlled	0.78	A	0.78	A
Speed	2750	r.p.m.	2750	r.p.m.
Max. temperature of transported air	80	°C	80	°C
Max. temperature of transported air when speed controlled	65	°C	65	°C
Sound pressure level at 3 m	46	dB(A)	46	dB(A)
Weight	4.6	kg	4.6	kg
Enclosure class	44	IP	44	IP
Insulation class, motor	F		F	
Capacitor	5	µF	5	µF
Duct connection	250	mm	250	mm
Max. flow @ 0Pa	267	l/s	267	l/s
Max. pressure	533	Pa	533	Pa
Voltage range	220-240	V	220-240	V

PRODUCT INFORMATION SHEET

Parameter	Value	Unit
(a) Manufacturer	Östberg	-
(b) Model code	CK 250 B1	-
(c) Declared type	NRVU / UVU	-
(d) Type of drive	Multi-speed drive	-
(e) Type of HRS	N/A	-
(f) Thermal efficiency	N/A	%
(g) Nominal flow rate	0.157	m ³ /s
(h) Effective power input	0.143	kW
(i) SFP int	N/A	W/(m ³ /s)
(j) Face velocity	3.2	m/s
(k) Nominal external pressure	337	Pa
(l) Internal pressure drop	N/A	Pa
(n) Static efficiency	43.0	%
(o) External (and internal) leakage rate	0.23	%
(p) Filter classification	N/A	%
(q) Visual filter warning	N/A	-
(r) Sound power level	53	dB LwA
(s) Disassembly instructions	www.ostberg.com	-

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

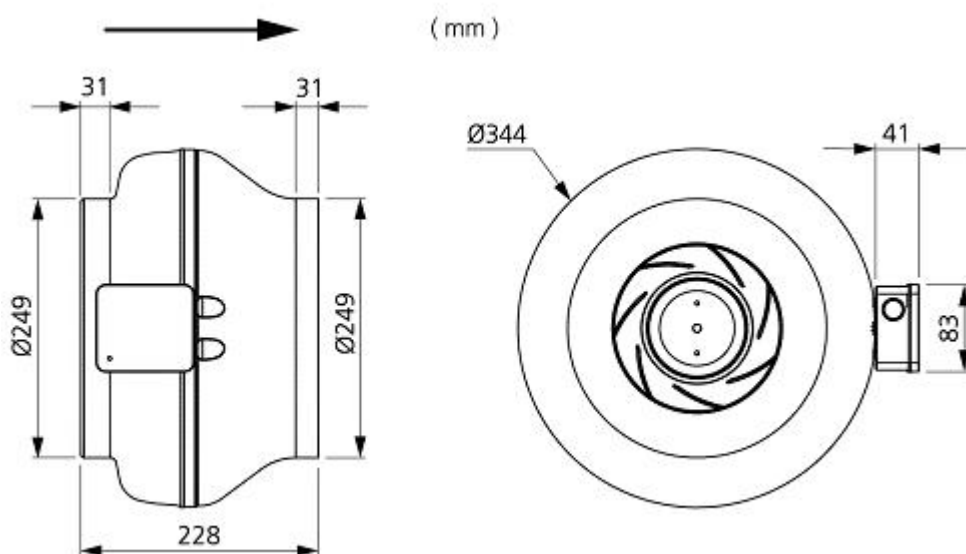
9 = Green

10 = Violet

11 = Quick switch

12 = Yellow

DIMENSIONS



ACCESSORIES

Mechanical accessories



Mounting bracket Kit MB



Mounting clamp MK 250



Safety grille BSV 250



Back draught shutter RSK 250



Louvre YG 250



Louvre shutter VK 250



Filterbox FLK 250



Filterbox FLF 250



Silencer LDC 250

Electrical accessories



Transformer controller VRTE C



Transformer controller VRDE 1.5



Speed controller VRS 1.0