

CK 160 B

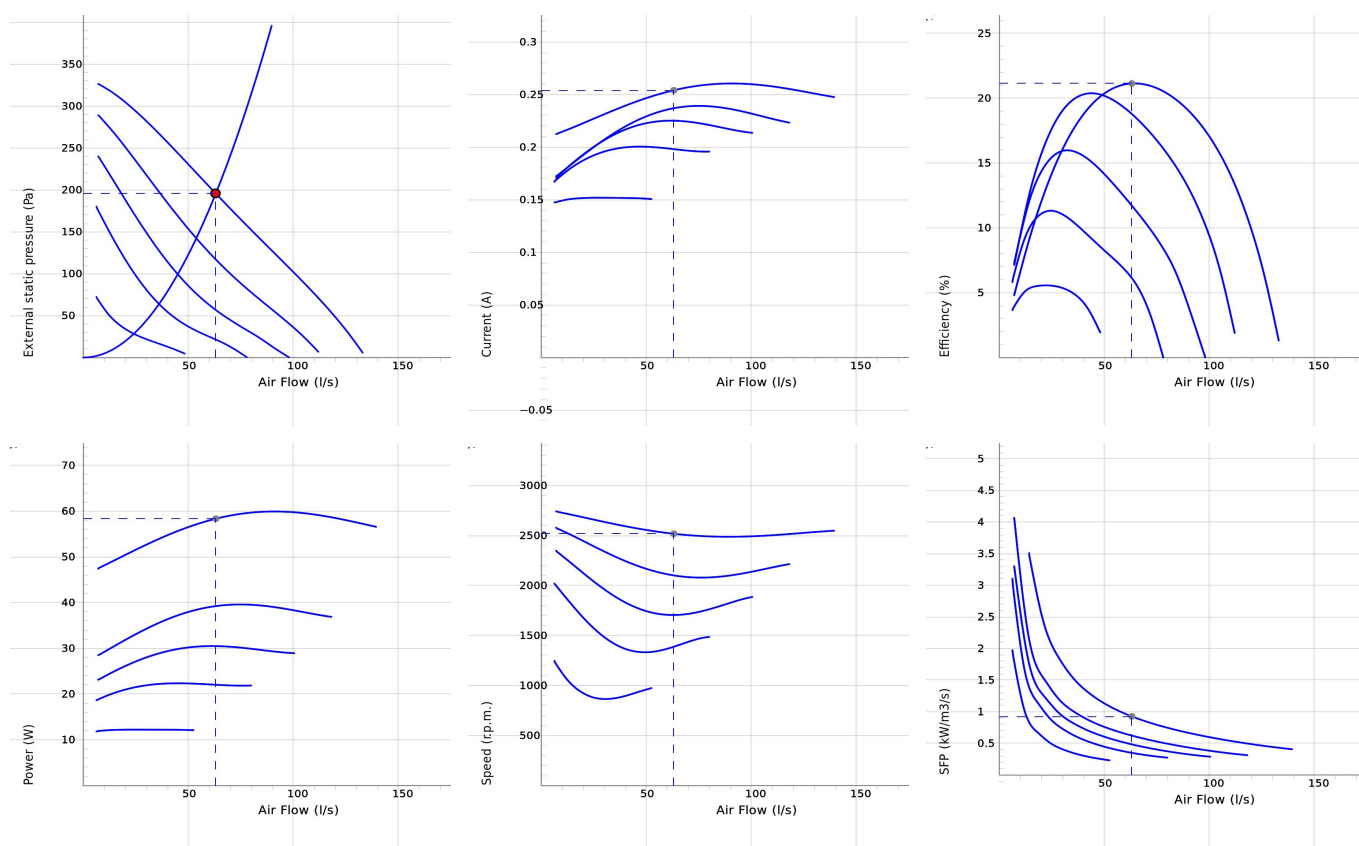


CK

- 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.
- To comply with the ErP 2018 regulation, a local demand controller must be used.



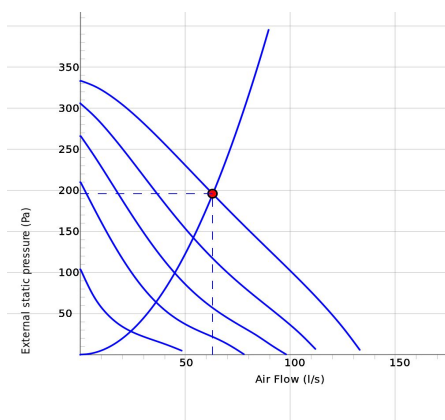
DIAGRAMS



Work Point

Air Flow (l/s)	External static pressure (Pa)	Power (W)	Speed (r.p.m.)	Current (A)	Efficiency (%)	SFP (kW/m³/s)	Voltage (V)
63	196	58.3	2518	0.254	21.1	0.926	230

SOUND DATA



	Tot	63	125	250	500	1k	2k	4k	8k
Inlet Lw dB(A)	67	49	58	62	61	58	56	54	51
Outlet Lw dB(A)	66	48	58	61	60	58	55	54	48
Surrounding Lw dB(A)	45	22	26	42	35	40	35	32	28
Surrounding Lp dB (A) 3m	38	15	19	35	28	33	28	25	21

Work Point

Air Flow (l/s) 63	External static pressure (Pa) 196	Power (W) 58.3	Speed (r.p.m.) 2518	Current (A) 0.254	Efficiency (%) 21.1	SFP (kW/m3/s) 0.926	Voltage (V) 230
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TECHNICAL DATA

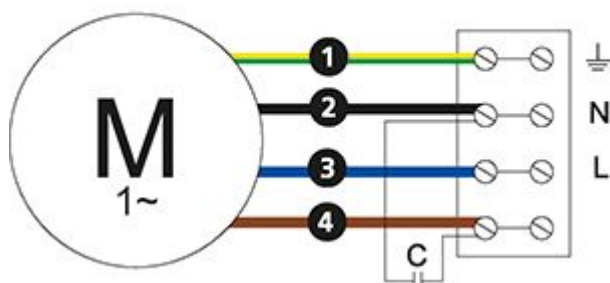
Parameter	CK 160 B man tp 7000009		CK 160 B aut tp 7000048	
	Value	Unit	Value	Unit
Voltage	230	V	230	V
Phase	1	~	1	~
Frequency	50	Hz	50	Hz
Optional frequency	60	Hz	60	Hz
Power	60	W	60	W
Current	0.26	A	0.26	A
Speed	2490	r.p.m.	2490	r.p.m.
Max. temperature of transported air	80	°C	80	°C
Max. temperature of transported air when speed controlled	80	°C	80	°C
Sound pressure level at 3 m	39	dB(A)	39	dB(A)
Weight	2.9	kg	2.9	kg
Enclosure class	44	IP	44	IP
Insulation class, motor	F		F	
Capacitor	2	µF	2	µF
Duct connection	160	mm	160	mm
Max. flow	135	l/s	135	l/s
Max. pressure	332	Pa	332	Pa
Voltage range	220-240	V	220-240	V

ECODESIGN

Parameter	Value	Unit
(a) Manufacturer	Östberg	-
(b) Model code	CK 160 B	-
(c) SEC value	-26.2	kWh/m ²
SEC class	B	-
(d) Declared type	RVU / UVU	-
(e) Type of drive	Multi-speed drive (accessory)	-
(f) Type of heat recovery	N/A	-
(g) Thermal efficiency	N/A	%
(h) Max. flow rate (@100Pa)	363	m ³ /h
(i) Power at max. flow rate	60	W
(j) Sound power level	46	dB LwA
(k) Reference flow rate	0.067	m ³ /s
(l) Reference pressure difference	50	Pa
(m) SPI	0.13	W/(m ³ /h)
(n) Type of control	Local demand control (accessory)	-
(o) External (and internal) leakage rate	0.41 (N/A)	%
(p) Mixing rate	N/A	-
(q) Visual filter warning	N/A	-
(r) Instruction supply/exhaust grilles	See manual	-
(s) Disassembly instructions	www.ostberg.com	-
(t) Airflow sensitivity	N/A	-
(u) Air tightness	N/A	m/s
(v) AEC	128	kWh
(w) AHS average	3018	kWh
AHS warmer	1365	kWh
AHS colder	5904	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

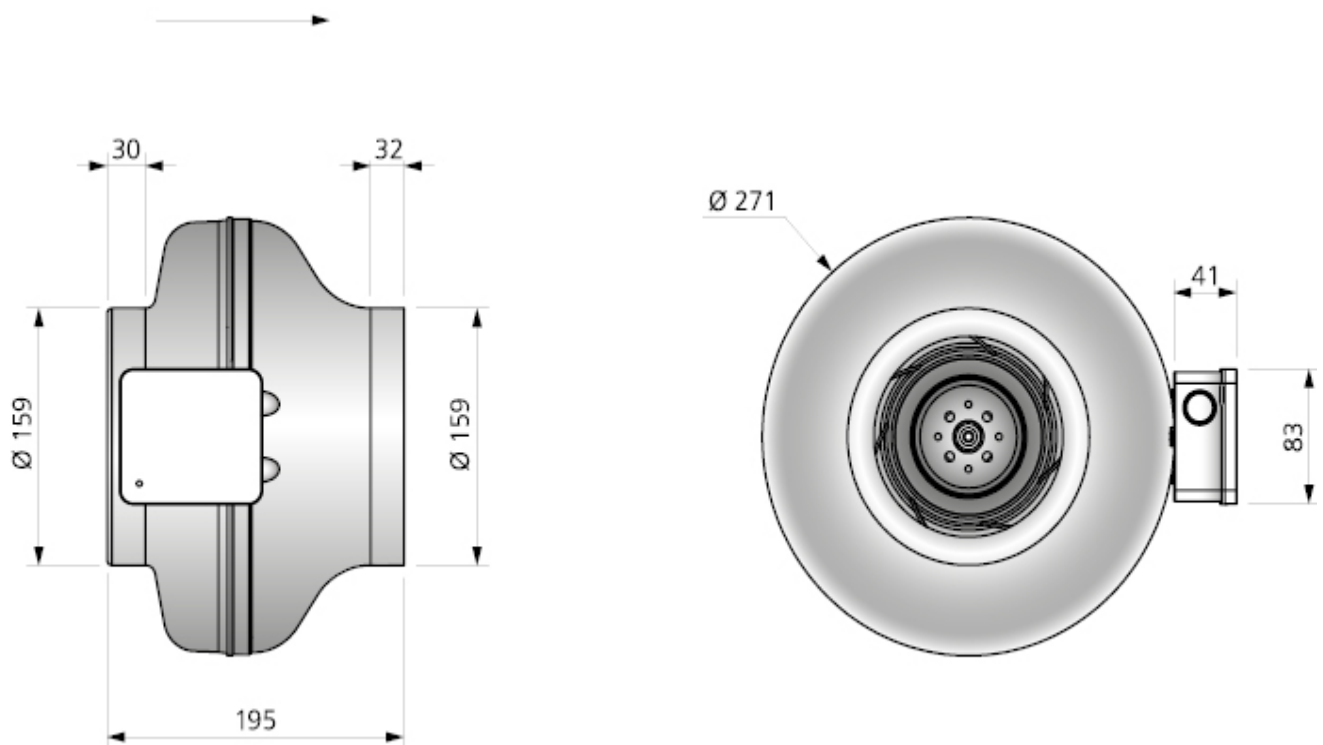
9 = Green

10 = Violet

11 = Quick switch

12 = Yellow

DIMENSIONS



ACCESSORIES

Mechanical accessories



Mounting bracket Kit MB



160



Safety grille BSV 160



Back draught shutter RSK 160



Louvre YG 160



Louvre shutter VK 160



Filterbox FLK 160



Filterbox FLF 160



Silencer LDC 160

Electrical accessories



Transformer controller VRTE C



Transformer controller VRDE 1.5



Speed controller VRS 0.5



Local Demand Controller Kit