

CK 100 A

Description



The CK is an in-line centrifugal duct fan with high capacity and excellent reliability. The straight through radial fan is compact and very easy to install. It can cope with high pressure and long duct runs, whilst still operating at acceptable sound levels.

The CK range of fans have casings manufactured from galvanized steel and are moisture resistant. They are approved for installation in humid or damp environments being rated IP44 when installed in a duct system.

The fan speed can be controlled by voltage variation regulators. Several fans can be connected to the same controller providing the total rating of the controller is not exceeded.

The motors are an external rotor type asynchrony motor. They have maintenance free sealed ball bearings and are protected from over heating by thermo contacts.

The fans must not be used for transporting grinding dust, soot or similar.

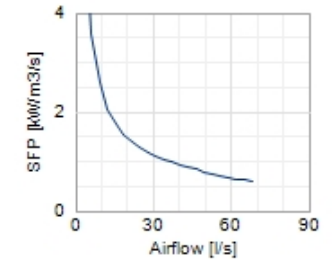
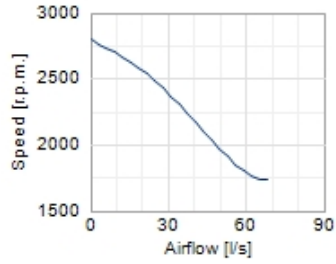
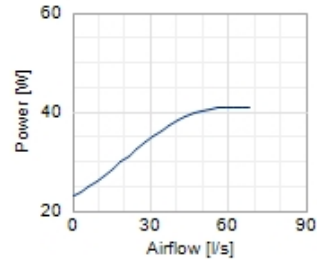
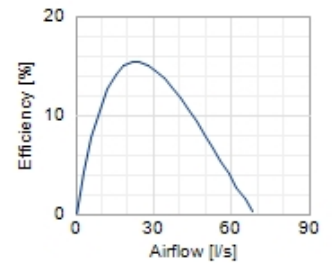
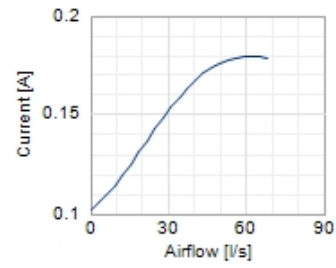
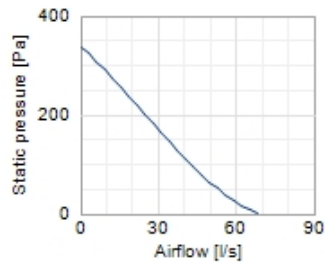
The power consumption of this product is below 125W and is not subject to the ErP directive.

Technical data

Parameter	Value	Unit
Voltage	230	V
Voltage range	220-240	V
Phase	1	~
Frequency	50	Hz
Frequency 2	60	Hz
Power	41	W
Power 2	47	W
Current	0,18	A
Current 2	0,21	A
Speed	1730	r.p.m.
Speed 2	1760	r.p.m.
Max. temperature of transported air	60	°C
Max. temperature of transported air when speed controlled	60	°C
Sound pressure level at 3 m	36	dB(A)
Weight	2,6	kg
Enclosure class	44	IP
Insulation class, motor	F	
Capacitor	3	µF
Duct connection, Ø	100 mm	
Max. flow	69	l/s
Max. pressure	338	Pa

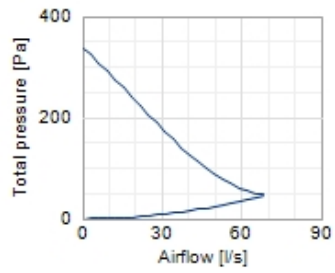
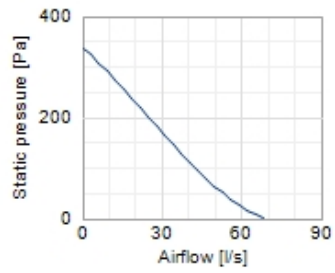
Diagrams

User point
Airflow [l/s] 24
Static pressure [Pa] 207
Work point
Airflow [l/s] 24
Static pressure [Pa] 207
Power [W] 32,2
Current [A] 0,141
Speed [r.p.m.] 2503
Efficiency [%] 15,4
SFP [kW/m ³ /s] 1,31
Voltage [V] 230



Sound

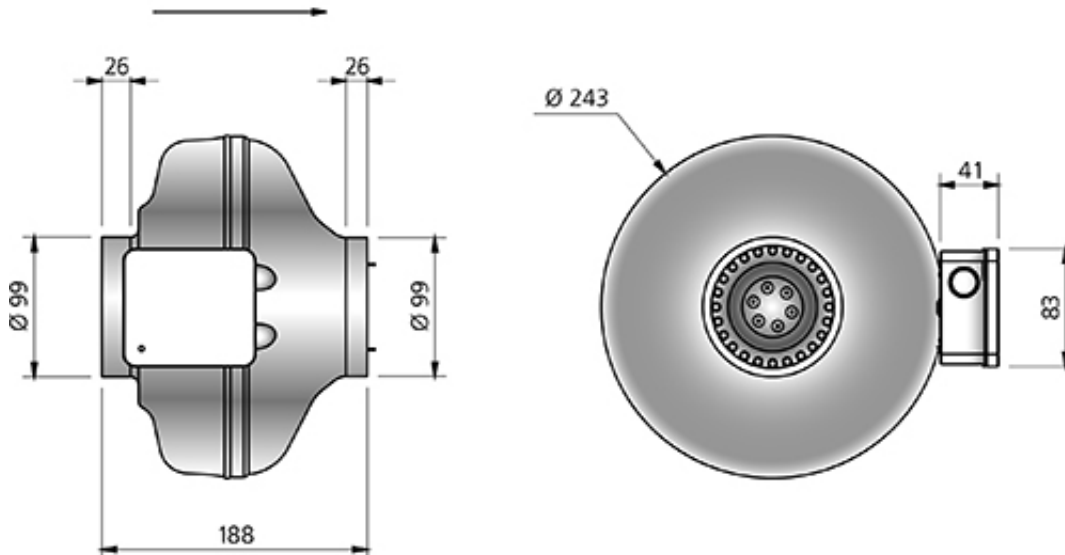
User point
Airflow [l/s] 24
Static pressure [Pa] 207
Work point
Airflow [l/s] 24
Static pressure [Pa] 207
Total pressure [Pa] 212
Power [W] 32,2
Current [A] 0,141
Speed [r.p.m.] 2503
Efficiency [%] 15,4
SFP [kW/m3/s] 1,31
Voltage [V] 230



Distance: 3
Sound propagation: Hemispherical
Equivalent absorption area: 20

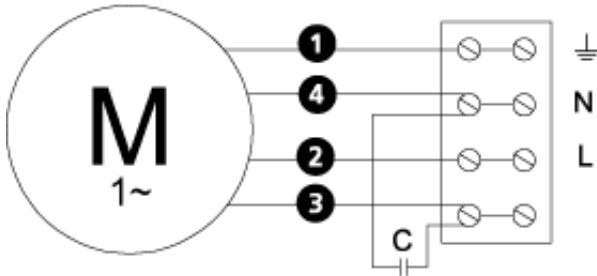
	Tot	63	125	250	500	1k	2k	4k	8k
Inlet Lw dB(A)	70	47	59	67	65	62	57	50	42
Outlet Lw dB(A)	69	44	60	64	63	61	57	51	42
Surrounding Lw dB(A)	47	34	21	37	37	42	39	41	34
Surrounding Lp dB(A)	40	27	15	31	30	35	32	34	28

Dimensions



Wiring diagram

4040002



- Ⓜ = Fan Motor
- Ⓜ1 = Fan Motor
- Ⓜ2 = Fan Motor
- Ⓜ3 = 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

Electric accessory



VRDE 1,5



VRS 0,5



VRTE C

Accessory



FLF 100



FLK 100



BSV 100



MK 100



VK 10



YG 100



LDC 100

Documents

Directions for use

1270031_utg4_CK_sveng_low.pdf

EC Declarations

EC_Decl_1270031_utg3_CK_sveng.pdf

Product declarations

BVD1_u4 CK_CV_KV_RKC_LPK_RF_DF_RB.pdf

BVD15_u1_CK_eng.pdf