

- Duct fan
- Circular
- Galvanized steel
- Centrifugal
- Cairox



In-Line Centrifugal Duct Fan type CK

Brand

Cairox

Application

The CK in-line centrifugal duct fans are designed around an efficient backward curved centrifugal impeller and external rotor motor to ensure a compact design, high performance and low sound levels.

- 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.

NOTE:

Mounting bracket available as an accessory [This is not included with the fan]

Composition

The in-line fan is constructed from steel and incorporate an aerodynamically designed airflow guide vane, ensuring maximum performance from the unit. All models are come with inlet and discharge spigots, for ease of installation an optional mounting bracket is available.

Accessories

- Silencer, type **SAR-G50**
- Filter, type **FLK-BN**
- Electric heater, type **CVA MQI-C**
- Back draught shutter, type **OKA**
- Fast clamp, type **BMK**
- Speed regulator, type **BTRN**
- Mounting Bracket, type **MB**

Order Example

- **CK 100 C**

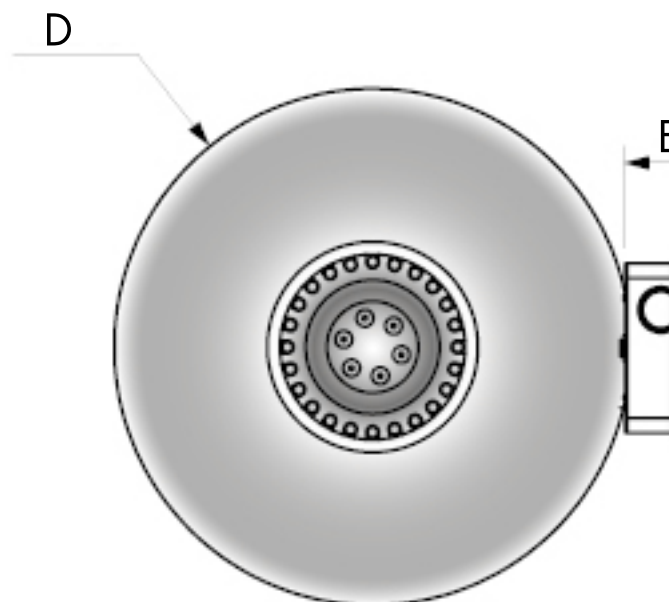
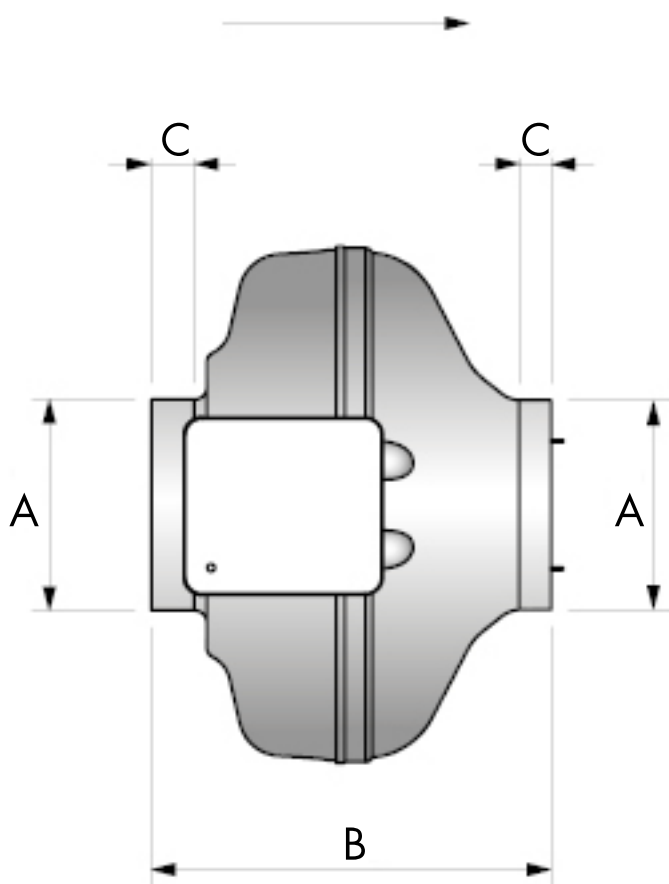
Explanation

CK = Fan type

100 = Diameter of fan

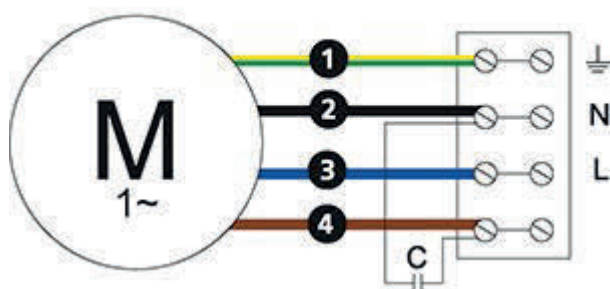
Air Performance Data													
	Q [m³/h]												
	0Pa	50Pa	100Pa	150Pa	200Pa	250Pa	300Pa	350Pa	400Pa	450Pa	500Pa	550Pa	600Pa
CK 100 C	290	250	210	170	135	90	50						
CK 125 C	400	345	285	225	165	115	55						
CK 150 C	700	635	560	485	420	340	270	180					
CK 200 B	975	930	885	825	765	695	610	500	400	260	115		
CK 250 B	950	920	870	810	765	690	630	555	450	350	165		
CK 315 C	1320	1265	1210	1155	1090	1040	960	885	795	690	565	385	175

Technical Data								
Stock ref	Motor	r.p.m.	IP Rating	Motor kw	F.L.C. Amps	dB(A) 3m	Max Temp	Max Temp (with speed control)
CK 100 C	230v 1ph	2570	IP44	59	0.26	42	80°C	75°C
CK 125 C	230v 1ph	2530	IP44	60	0.26	38	80°C	75°C
CK 150 C	230v 1ph	2580	IP44	105	0.46	43	80°C	75°C
CK 200 B	230v 1ph	2750	IP44	145	0.78	45	80°C	75°C
CK 250 B	230v 1ph	2750	IP44	478	0.78	46	80°C	75°C
CK 315 C	230v 1ph	2770	IP44	224	1.2	48	80°C	75°C



	Dimensions						
	ØA [mm]	B [mm]	C [mm]	ØD [mm]	E [mm]	F [mm]	[kg]
CK 100 C	99	188	26	243	41	83	2.6
CK 125 C	124	188	27	243	41	83	2.6
CK 150 C	149	228	31	345	41	83	4
CK 200 B	199	228	34	345	41	83	4.7
CK 250 B	249	228	34	345	41	83	4.6
CK 315 C	314	257	39	402	41	83	5.9

Wiring Diagram





PE = green/yellow
BU = blue
BK = black
RD = red
YE = yellow
WH = white