

K 100 M sileo

Article Number: 1001

Variant : 230V 1~ 50Hz



Description

- Speed-controllable
- Integral thermal contacts
- Can be installed in any position
- Can be installed outdoors
- Maintenance-free and reliable

The K series is designed for installation in ducts. All the K-fans have minimum 25 mm long spigot connections.

The fans have backward-curved blades and external rotor motors. To simplify the installation the K-fan has a fixing bracket together with screws for mounting the bracket included as standard. The FK mounting clamp (as accessory) prevents the transfer of vibration to the duct. The fans can be speed-controlled via a stepless thyristor or a 5-step transformer.

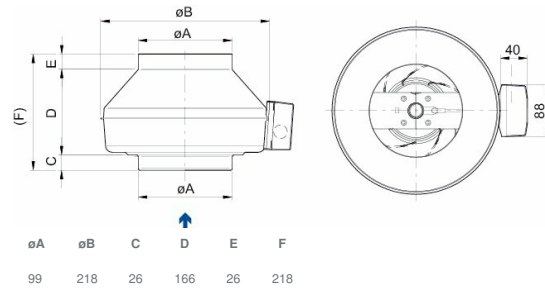
To protect the motor from...

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Technical parameters

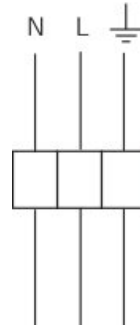
Nominal data	
Voltage (Nominal)	230 V
Frequency	50 Hz
Phase(s)	1~
Input power	31 W
Input current	0.177 A
Impeller speed	2,407 r.p.m.
Air flow	max 0.05 m³/s
Temperature of transported air	max 70 °C
Max temperature of transported air, when speed controlled	70 °C
Sound data	
Sound pressure level at 3m (20m² Sabin)	34 dB(A)
Protection/Classification	
Enclosure class, motor	IP44
Insulation class	B
Data according to ErP	
Energy class, Basic unit	F
Energy class, Local demand	D
ErP ready	ErP 2018
Dimensions and weights	
Duct dimension: Circular, inlet	100 mm
Duct dimension: Circular, outlet	100 mm
Weight	2.3 kg
Others	
Duct connection type	Circular
Motor type	AC

Dimension

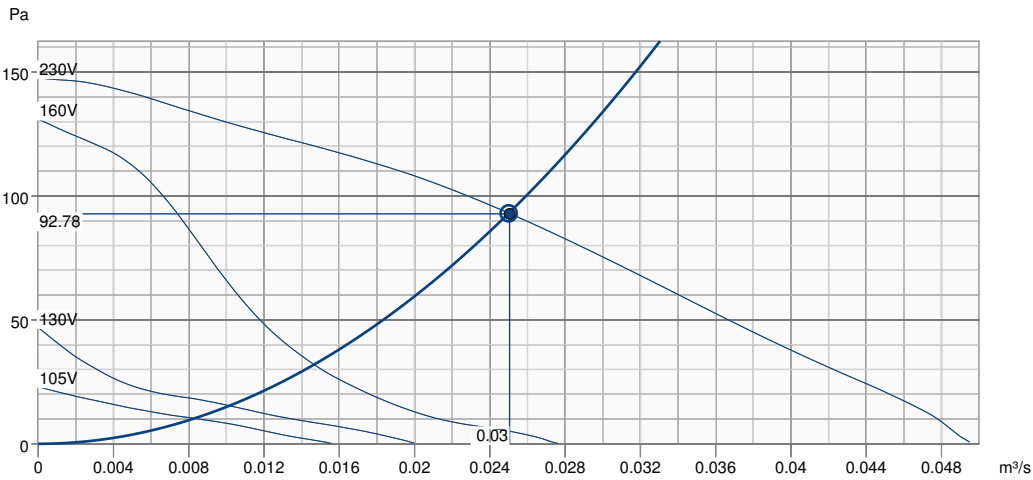


Wiring

230V 1~



Performance curve



Hydraulic data

Required air flow	0.03 m³/s
Required static pressure	93 Pa
Working air flow	0.03 m³/s
Working static pressure	93 Pa
Air density	1.204 kg/m³
Power	28.8 W
Fan control - RPM	2498 rpm
Current	0.17 A
SFP	1.150 kW/m³/s
Control voltage	230.0 V
Supply voltage	230 V

Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	43	54	57	58	54	48	37	23	62
Outlet	dB(A)	48	49	56	53	51	44	34	23	59
Surrounding	dB(A)	17	16	21	36	38	30	18	13	41
Sound pressure level at 3m (20m² Sabine)	dB(A)	-	-	-	-	-	-	-	-	34
Sound pressure level at 3m free field	dB(A)	-	-	-	-	-	-	-	-	20

Accessories

FRQ5S-E-6A (37421)	RE 1,5 Speed control (5000)
REE 1 Speed control (5314)	REPT 6 Digital regulator (5698)
REU 1.5 Speed control (5004)	REV-3POL/03 ON/OFF (33978)
SG 100 Protection guard (5606)	VKK-100 Back draft damper (1623)
CO2RT-R-D Transmitter (6993)	DTV500A (96807)
FRQS-E-6A (37419)	IGK-100 Wall Grid (1630)
Presence detector/IR24-P (6995)	RT 0-30 Room Thermostat (5151)
CB 100-0,4 230V/1 Duct heater (5288)	CB 100-0,6 230V/1 Duct heater (5376)
CBM 100-0,6 230V/1 Duct heater (5479)	CWK 100-3-2,5 Duct cooler,circ (30019)
FFR 100 Filter cassette (1766)	FGR 100 Filter cassette (1802)
FK 100 Fast clamp (1607)	LDC 100-1200 Silencer (5996)
LDC 100-300 Silencer (8180)	LDC 100-600 Silencer (5188)
LDC 100-900 Silencer (5189)	RSK-100 Back draft damper (5597)
THB 160 Hood w. cover pl. Red (2034)	THB 160 Hood w.cover pl. black (1764)
THS 160 Hood w. cover pl. Red (2044)	THS 160 Hood w.cover pl. black (1839)
VBC 100-2 Water heating batt (5456)	VBC 100-3 Water heating batt (9838)
VBF 100 Water heating battery (1724)	STL 1.5 Speed controller (84251)

Documents

Fans_Operating and Maintenance_instr_202341_CE_multilingual.pdf
 Certificate S-mark K 1211224.pdf
 K fan mounting.wmv