

K 100 M sileo

Item no. 1001

Version: 60 Hz

Symbol



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 overheating the fan is impedance protected. The casing is manufactured from galvanised sheet steel and folded which gives the fan a close to air tight casing. Duct connected outdoor and wet room applications of the fan are possible due to the air tight casing



Technical parameters

Nominal data		
Voltage	230	V
Frequency	60	Hz
Phase	1	~
Input power (P1)	33	W
Current	0.18	A
Max. airflow	97.5	cfm
Fan impeller speed	2073	r.p.m.
Weight	2.3	kg

Temperature data		
Max. temperature of transported air	70	°C
Max. temperature of transported air when voltage-controlled	70	°C

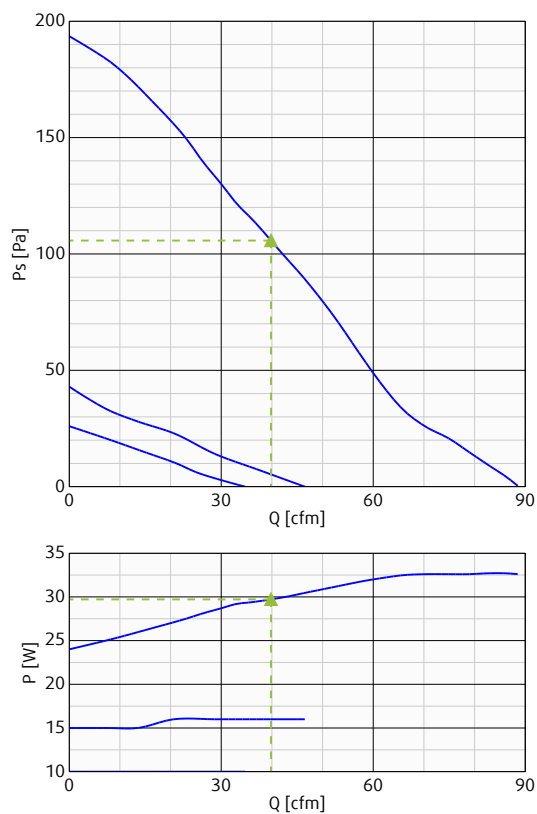
Sound data		
Sound pressure level at 3 m (20m ² Sabine)	39	dB(A)

Protection / Classification		
Insulation class	B	
Enclosure class, motor	IP44	IP

ErP		
Energy class, basic unit	F	
Energy class, basic unit option	D	
ErP ready	ErP 2016/ErP 2018	

Performance

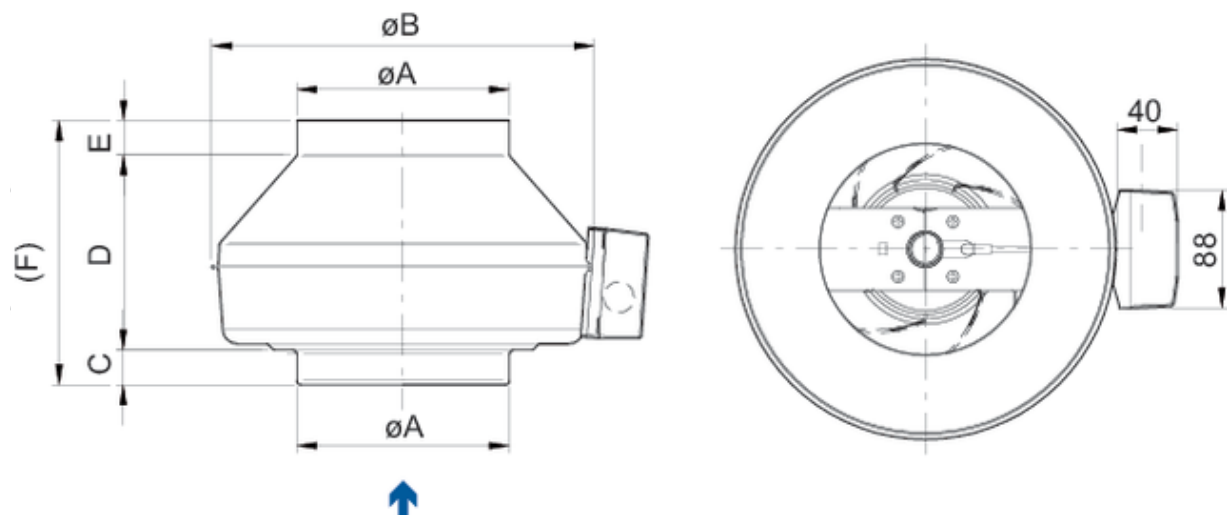
Performance



Max efficiency

Hydraulic data										
Air flow		39.8		cfm						
Static pressure		106		Pa						
Power		29.7		W						
Speed		2541		r.p.m.						
Current		0.163		A						
SFP		1.58		kW/(m ³ /s)						
Voltage		230		V						
Acoustic data		63	125	250	500	1k	2k	4k	8k	Tot
Inlet	dB(A)	45	57	57	56	53	47	36	23	62
Outlet	dB(A)	57	57	60	58	56	48	41	35	65
Surrounding	dB(A)	17	20	20	37	37	29	17	11	40

Dimensions



K	ϕA	ϕB	C	D	E	F
100 M	99	218	26	166	26	218
125 M	124	218	27	142	27	196
160 M	159	286	25	147	26	198
200 M	199	336	30	148	27	205
200 L	199	336	30	174	27	231
250 M	249	336	30,5	119,5	27	177
250 L	249	336	30,5	144,5	27	202
315 M	314	408	32,5	160,5	27	220
315 L	314	408	38	161	27	225

Sections not printed

- Wiring
- Accessories
- Eco design
- Online resources