

KVK 125 INS. CIRC. DUCT FAN

Item no. 2430

Version: 50 Hz

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Description

- Speed-controllable
- Integral thermal contacts
- Low noise level
- Compact construction

The KVK 125-160 models have a single-inlet centrifugal fan with forward-curved blades and a maintenance-free external rotor motor. To protect the motor from overheating the KVK 125-160 has integral thermal contacts with electrical reset. The fans can be installed in any position, and are easy to connect to spiral ducts using FK mounting clamps. The KVK models are manufactured from galvanised sheet steel and are thermally and acoustically insulated with a 50 mm layer of rockwool with a surface liner which prevents the migration of fibres into the airstream.



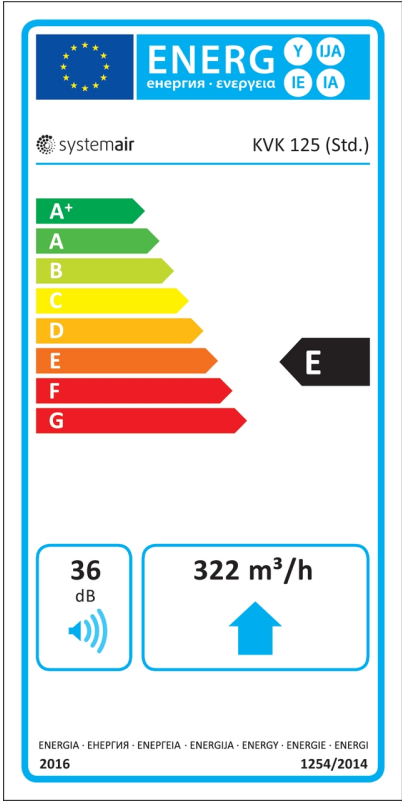
Technical parameters

Nominal data		
Voltage	230	V
Frequency	50	Hz
Phase	1	~
Input power (P1)	92,7	W
Current	0,409	A
Max. airflow	0,106	m ³ /s
R.p.m.	1978	r.p.m.
Min. static back pressure	0	Pa
Capacitor	2	µF
Weight	11	kg
Temperature data		
Max. temperature of transported air	68	°C
Max. temperature of transported air when speed-controlled	68	°C
Sound data		
Sound pressure level at 3 m	38,1	dB(A)

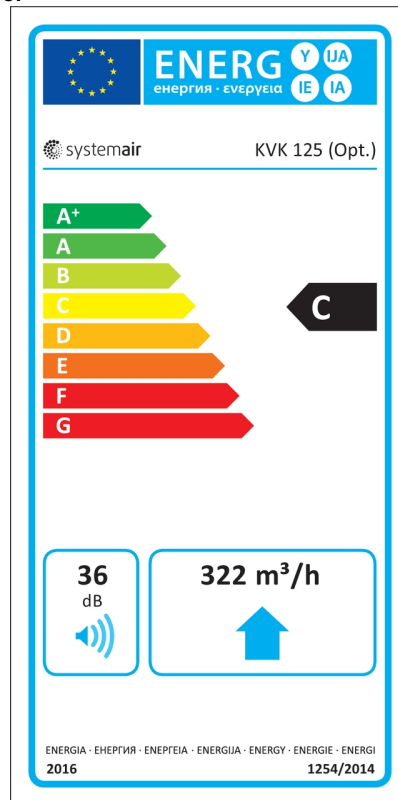
Protection / Classification	
Insulation class	B
Enclosure class, motor	IP44
ErP	
Energy class, basic unit	E
Energy class, basic unit option	C
ErP ready	ErP 2016/ErP 2018

Energy class label

Energy class, basic unit

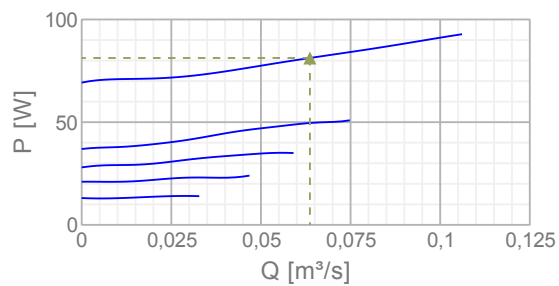
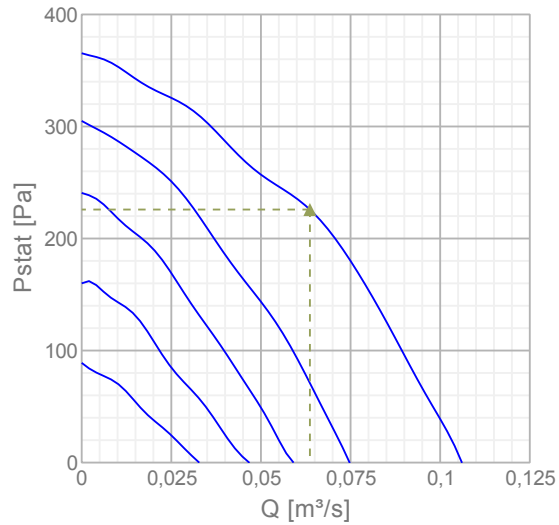


Energy class, unit with local demand control



Diagrams

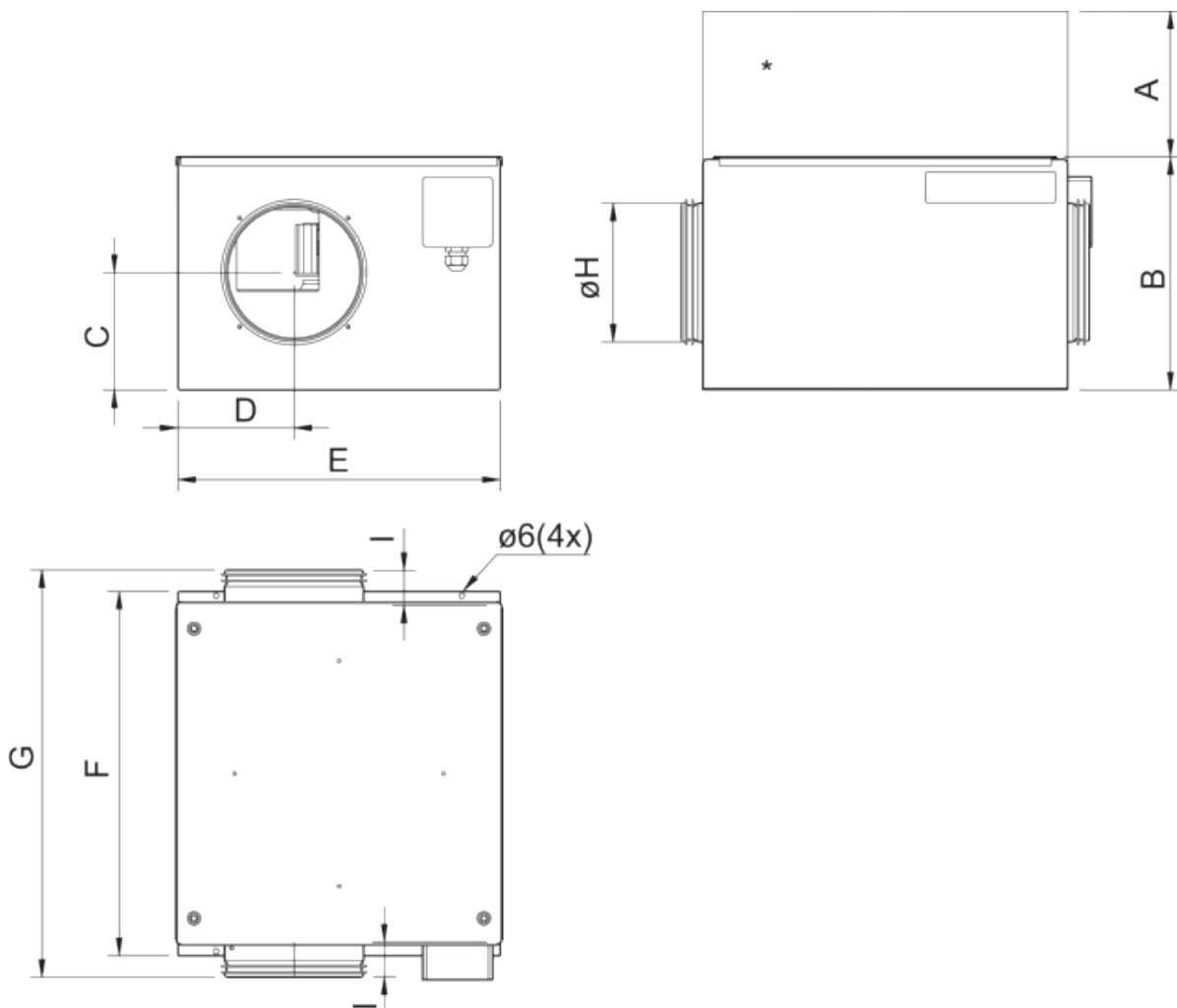
Diagrams



Max efficiency

Hydraulic data										
▲ Working air flow	0,0637 m³/s									
▲ Working static pressure	226 Pa									
▲ Power	81,3 W									
Speed	2310 r.p.m.									
Current	0,357 A									
SFP	1,28 W(l/s)									
Voltage	230 V									
Sound power level		63	125	250	500	1k	2k	4k	8k	Tot
Inlet	dB(A)	37	55	50	45	42	41	36	29	57
Outlet	dB(A)	50	61	58	60	66	62	55	48	70
Surrounding	dB(A)	17	33	40	41	36	36	25	16	45

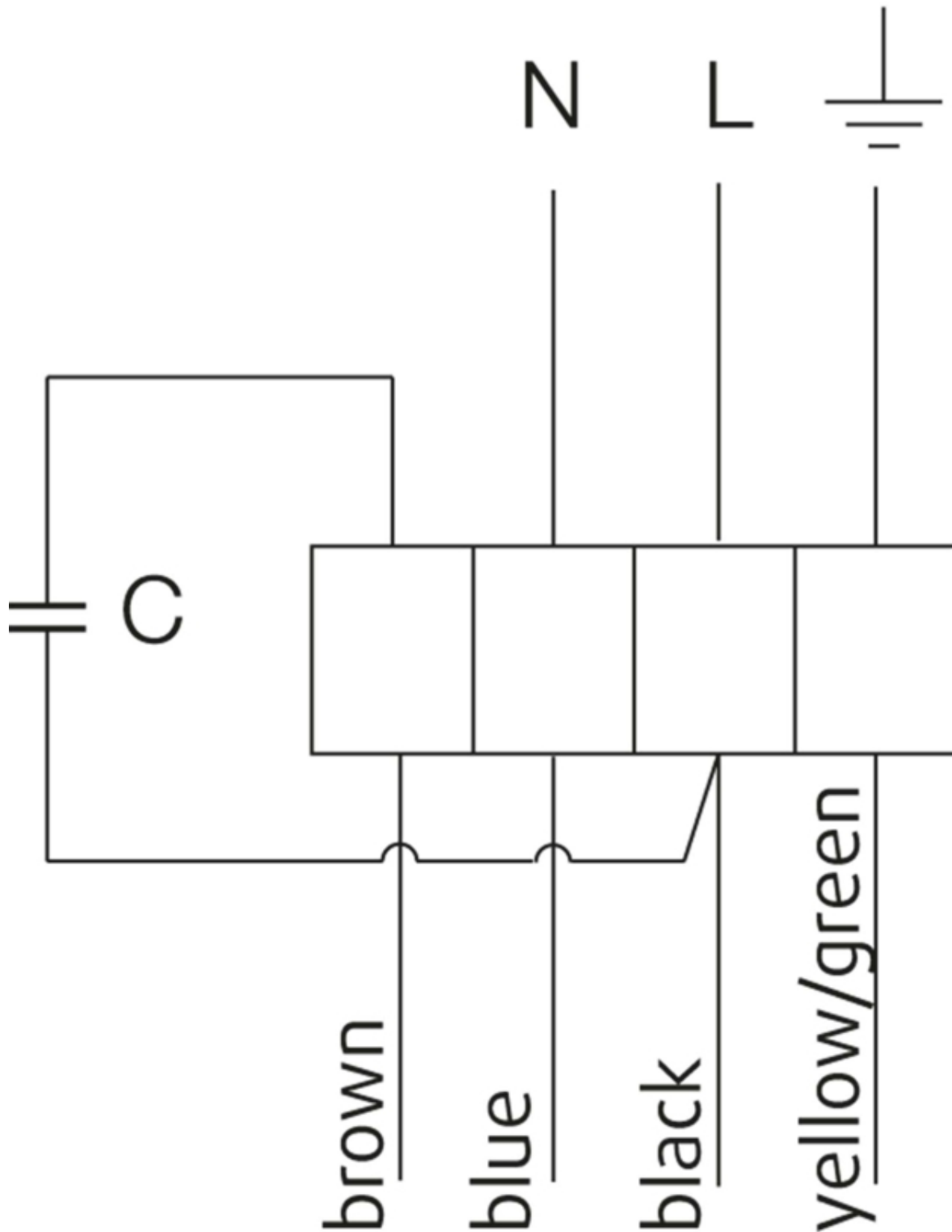
Dimensions



KVK	A	B	C	D	E	F	G	øH	I
125	230	266	151	114	367	415	464	125	40

*= Free area

230V 1~



U1 = blue = blau
U2 = black = schwarz
Z = brown = braun
PE = yellow/green = grün-gelb

Accessories

Electric accessories

[RE 1.5 Speed control \(5000\)](#)
[REU 1.5 Speed control \(5004\)](#)
[REE 1 Speed control \(5314\)](#)
[REPT 6 Digital regulator \(5698\)](#)
[RT 0-30 Room Thermostat \(5151\)](#)
[CO2RT-R-D Transmitter \(6993\)](#)
[Presence detector/IR24-P \(6995\)](#)
[STL 1.5 Speed controller \(84251\)](#)
[REV-3POL/03 ON/OFF \(33978\)](#)
[FRQS-E-6A \(37419\)](#)
[FRQ5S-E-6A \(37421\)](#)

Accessories

[CB 125-0,6 230V/1 Duct heater \(5289\)](#)
[CB 125-1,2 230V/1 Duct heater \(5290\)](#)
[CB 125-1,8 230V/1 Duct heater \(5377\)](#)
[CBM 125-1,2 230V/1 Duct heater \(5480\)](#)
[VBF 125 Water heating battery \(1730\)](#)
[CWK 125-3-2,5 Duct cooler.circ \(30021\)](#)
[VBC 125-2 Water heating batt \(5457\)](#)
[LDC 125-600 Silencer \(5190\)](#)
[LDC 125-900 Silencer \(5191\)](#)
[FFR 125 Filter cassette \(1768\)](#)
[FGR 125 Filter cassette \(1804\)](#)
[FK 125 Fast clamp \(1608\)](#)
[VKK-125 Back draft damper \(1624\)](#)
[IGK-125 Wall Grid \(1631\)](#)
[RSK-125 Back draft damper \(5598\)](#)
[SG 125 Protection guard \(5607\)](#)
[LDC 125-1200 Silencer \(5997\)](#)
[THB 160 Hood w. cover pl. Red \(2034\)](#)
[THB 160 Hood w.cover pl. black \(1764\)](#)
[THS 160 Hood w.cover pl. black \(1839\)](#)
[THS 160 Hood w. cover pl. Red \(2044\)](#)
[VBC 125-3 Water heating batt \(9839\)](#)
[LDC 125-300 Silencer \(53722\)](#)

Documentation

 [202341_Fans_Instructions_CE_A010.pdf \(1,83MB\)](#)

 [Semko Certificate KVK 1116708.pdf \(1,38MB\)](#)

Specification text

It's a reliable in operation, maintenance- free, double- sided and soundproofed circular duct fan. The box consists of electroplated steel plate with acoustic insulation and heat insulation made with mineral rock wool with a strength of 50 millimetre, witch should avoid the migration of fibres into the air flow. Furthermore it's a compact construction with a both sided pipe connection. The closure head of the fan is removable and it also has perforated steel plate in the inside. The fan device, which is responsible for cleaning and attendance is very easy to disassemble. KVK 125 can be installed in each fitting position. The fan has a radial impeller with forward- curved impeller vane, which is made out of electroplated steel plate. The actuation is carried out by a maintenance- free, speed- controlled external rotor motor. The winding has built in thermal contacts with automatically reset device. For cooling the motor it is placed inside the air flow. Impeller according to VDI 2060, quality category Q6,3 and dynamically weigh heavy in two levels.

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