

KVK DUO 250 CIRCULAR DUCT FAN

Item no. 27793

Version: 50 Hz

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Description

- Speed-controllable
- Integral thermal contacts
- Low noise level
- Twin fan

KVK DUO models have double inlet centrifugal fans with forward-curved impellers and maintenance-free external rotor motors. To protect the motors from overheating the fans have integral thermal contacts with leads for connection to a motor protection device.

The fans are easy to connect to spiral ducts using FK mounting clamps.

The KVK DUO models are manufactured from galvanised sheet steel and are thermally and acoustically insulated with a 50 mm layer of mineral wool. Internal surfaces are protected with perforated galvanised sheet steel.



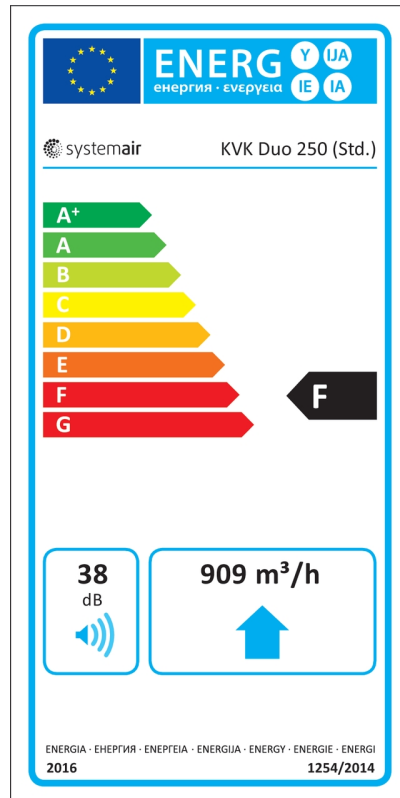
Technical parameters

Nominal data		
Voltage	230	V
Frequency	50	Hz
Phase	1	~
Input power (P1)	266	W
Current	1,18	A
Max. airflow	0,296	m³/s
R.p.m.	1846	r.p.m.
Min. static back pressure	30	Pa
Capacitor	4	µF
Weight	39,8	kg
Temperature data		
Max. temperature of transported air	40,7	°C
Max. temperature of transported air when speed-controlled	40,7	°C
Sound data		
Sound pressure level at 3 m	40,2	dB(A)

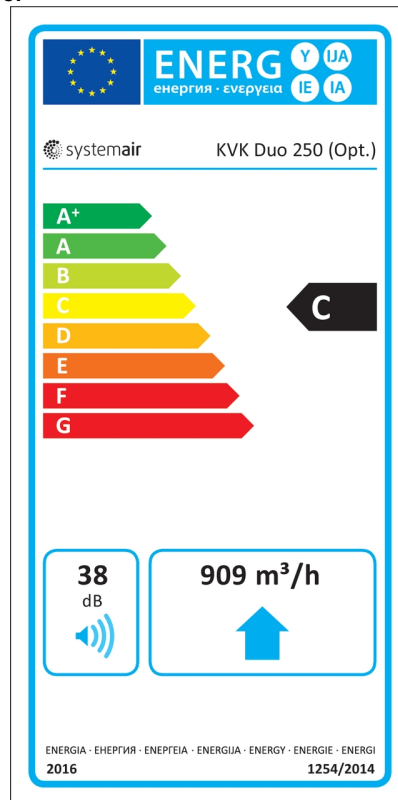
Protection / Classification	
Insulation class	F
Enclosure class, motor	IP44
ErP	
Energy class, basic unit	F
Energy class, basic unit option	C
ErP ready	ErP 2016/ErP 2018

Energy class label

Energy class, basic unit

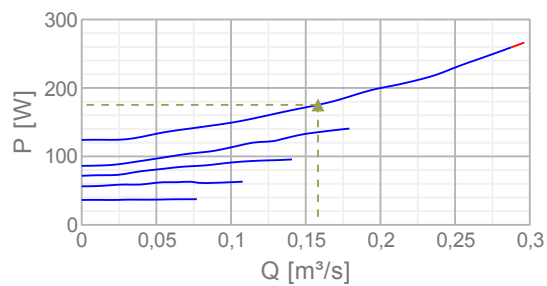
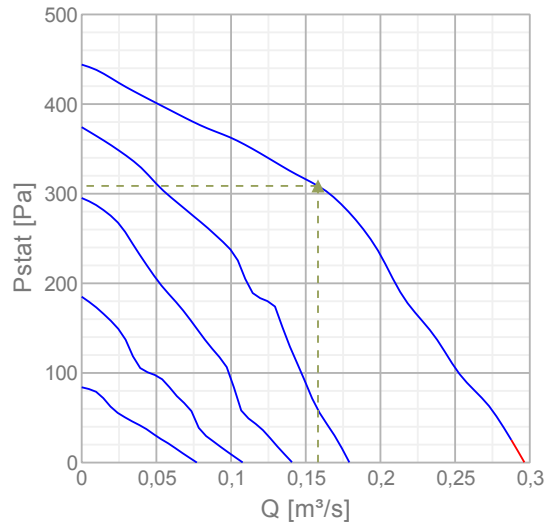


Energy class, unit with local demand control



Diagrams

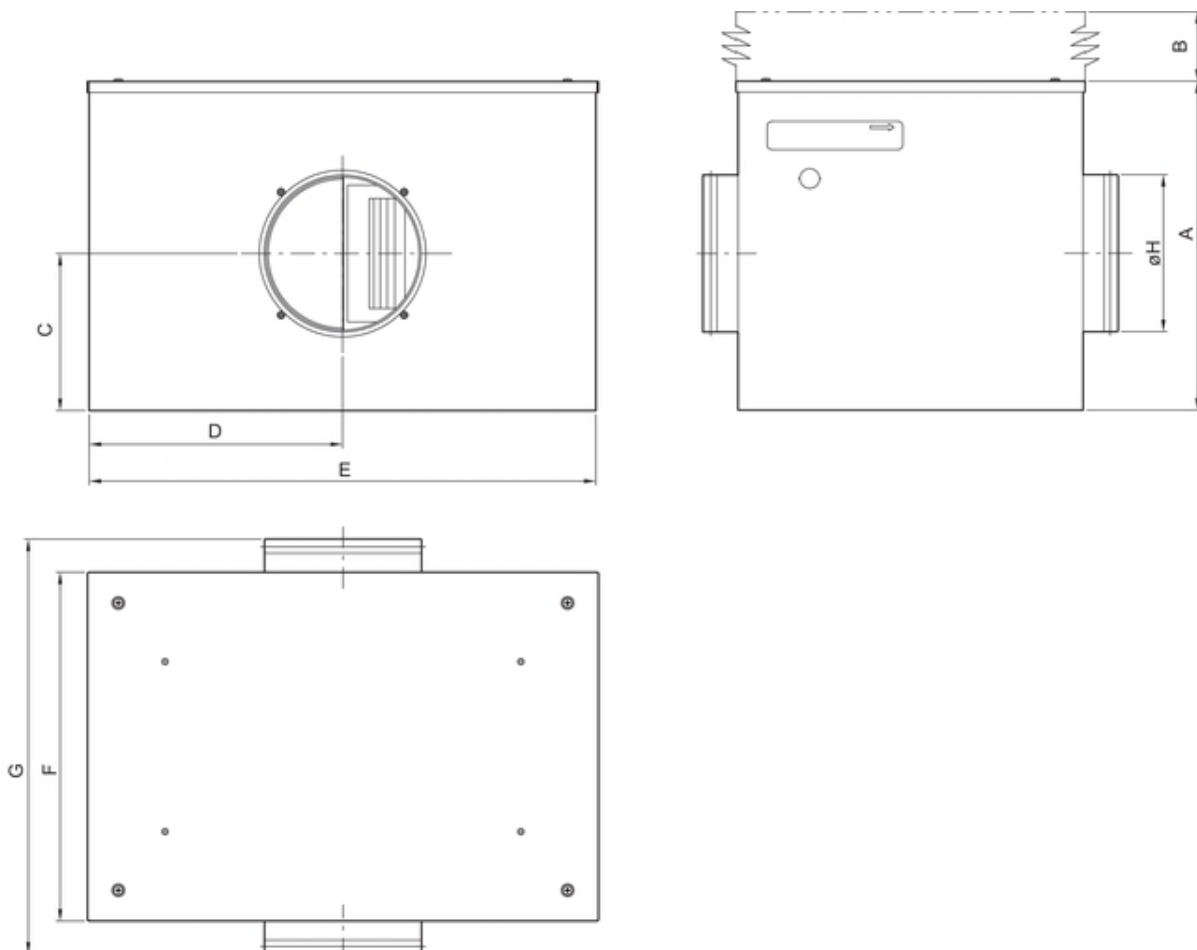
Diagrams



Max efficiency

Hydraulic data											
▲ Working air flow	0,158 m³/s										
▲ Working static pressure	309 Pa										
▲ Power	175 W										
Speed	2517 r.p.m.										
Current	0,766 A										
SFP	1,11 W/(l/s)										
Voltage	230 V										
Sound power level	63	125	250	500	1k	2k	4k	8k	Tot		
Inlet	dB(A)		59	59	61	55	52	51	46	40	65
Outlet	dB(A)		60	70	66	68	70	70	65	60	77
Surrounding	dB(A)		38	36	44	39	37	38	32	24	47

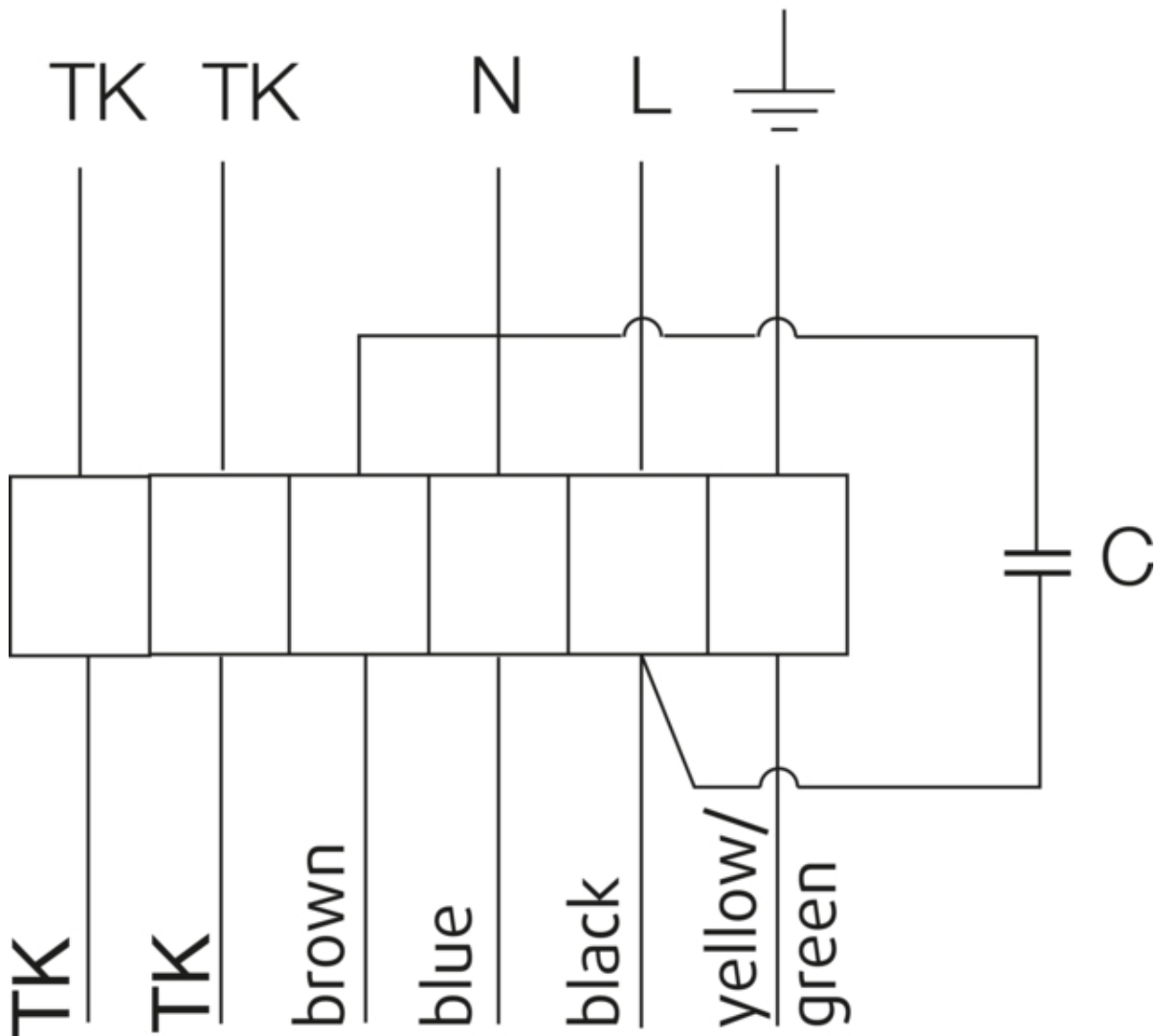
Dimensions



KVK DUO	A	B	C	D	E	F	G	øH
125	333	275	165	255	510	350	425	125
160	333	275	165	255	510	350	425	160
200	386	325	190	300	600	400	475	200
250	460	400	207	360	720	500	615	250

Wiring

230V 1~



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

Accessories


Electric accessories

- [REU 1.5 Speed control \(5004\)](#)
- [RTRE 1,5 Speed control \(5008\)](#)
- [REE 2 Speed control \(5316\)](#)
- [S-ET 10 Motor Protection \(5154\)](#)
- [ACO8A Auto Changeover panel \(84291\)](#)
- [STL 3 Speed controller \(84261\)](#)

Accessories

[CB 250-9,0 400V/3 Duct heater \(5373\)](#)
[CB 250-3,0 230V/1 Duct heater \(5385\)](#)
[VBF 250 Water heating battery \(1733\)](#)
[CWK 250-3-2,5 Duct cooler_circ \(30024\)](#)
[VBC 250-2 Water heating batt \(5460\)](#)
[LDC 250-900 Silencer \(5196\)](#)
[FFR 250 Filter cassette \(1776\)](#)
[FGR 250 Filter cassette \(1815\)](#)
[FK 250 Fast clamp \(1612\)](#)
[VKK-250 Back draft damper \(1627\)](#)
[RSK-250 Back draft damper \(5603\)](#)
[SG 250 Protection quard \(5610\)](#)
[VK-25 Louvre shutter \(5640\)](#)
[CB 250-6,0 400V/2 Duct heater \(5372\)](#)

Documentation

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

Specification text