

KVK Silent 200

Item Number: 92161

Variant: 230V 1~ 50Hz



- Low sound level, thick and high density insulation
- Compact design, easy installation
- Easy maintenance, service cover
- Air tight design
- High efficiency and low SFP in a real working point
- Speed-controllable
- Simple to install, mounting brackets included
- Integrated motor protection
- Casing according to classification EI30
- Aluzinc casing, C4 corrosion class

KVK Silent is a box fan with circular duct connections. The casing is insulated with thick and high density mineral wool insulation. Due to this insulation the casing has classification according to EI30. The casing is manufactured from Aluzinc in corrosion class C4.

KVK Silent can be demand controlled via sensors and controllers for CO₂, temperature, humidity, presence indication and VAV or manually speed controlled via a stepless thyristor or a 5-step transformer. To protect the motor from overheating, the fans have integral thermal contacts with manual reset (reset by disconnecting the power).

KVK Silent can be installed in any position.

The FK mounting clamp (accessory) facilitates easy installation and removal and prevents the transfer of vibration to the duct.



Technical parameters

Nominal data		
Voltage (Nominal)	230	V
Frequency	50	Hz
Phase(s)	1~	
Input power	105	W
Input current	0.465	A
Impeller speed	2,439	r.p.m.
Air flow	max 0.205	m³/s
Capacitance of capacitor	2.5	µF
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)	40	dB(A)
Protection/Classification		
Enclosure class, motor	IP44	
Insulation class	F	
Data according to ErP		
Energy class, Basic unit	E	
Energy class, Local demand	C	
ErP ready	ErP 2018	
Dimensions and weights		
Duct dimension; Circular, inlet	200	mm
Duct dimension; Circular, outlet	200	mm
Weight	21.1	kg

Others

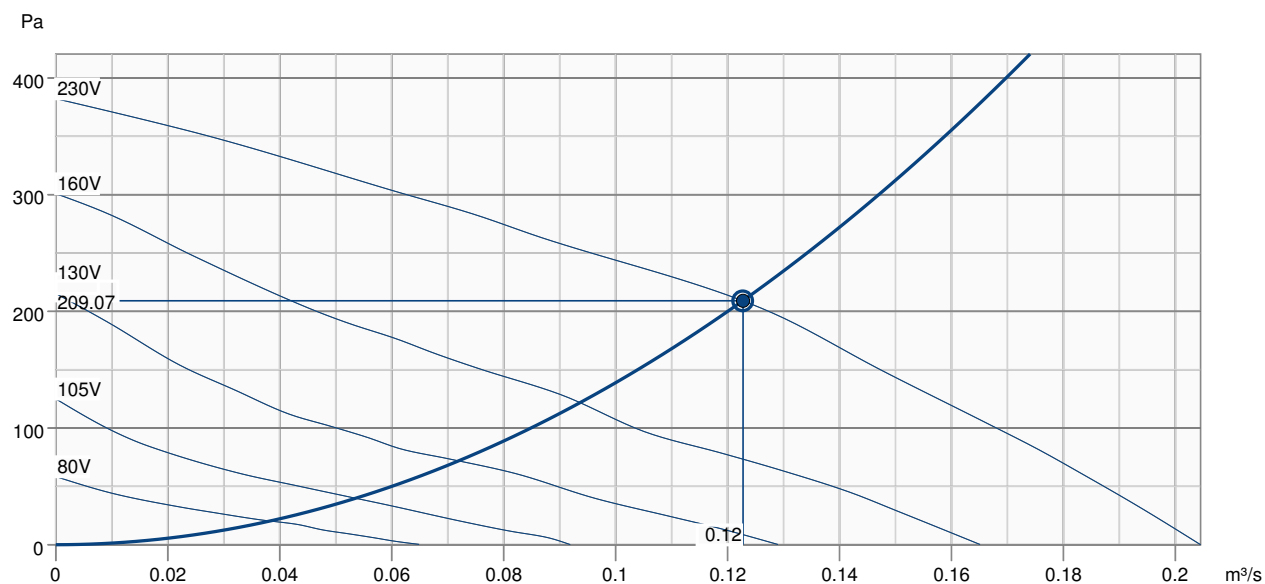
Duct connection type

Circular

Motor type

AC

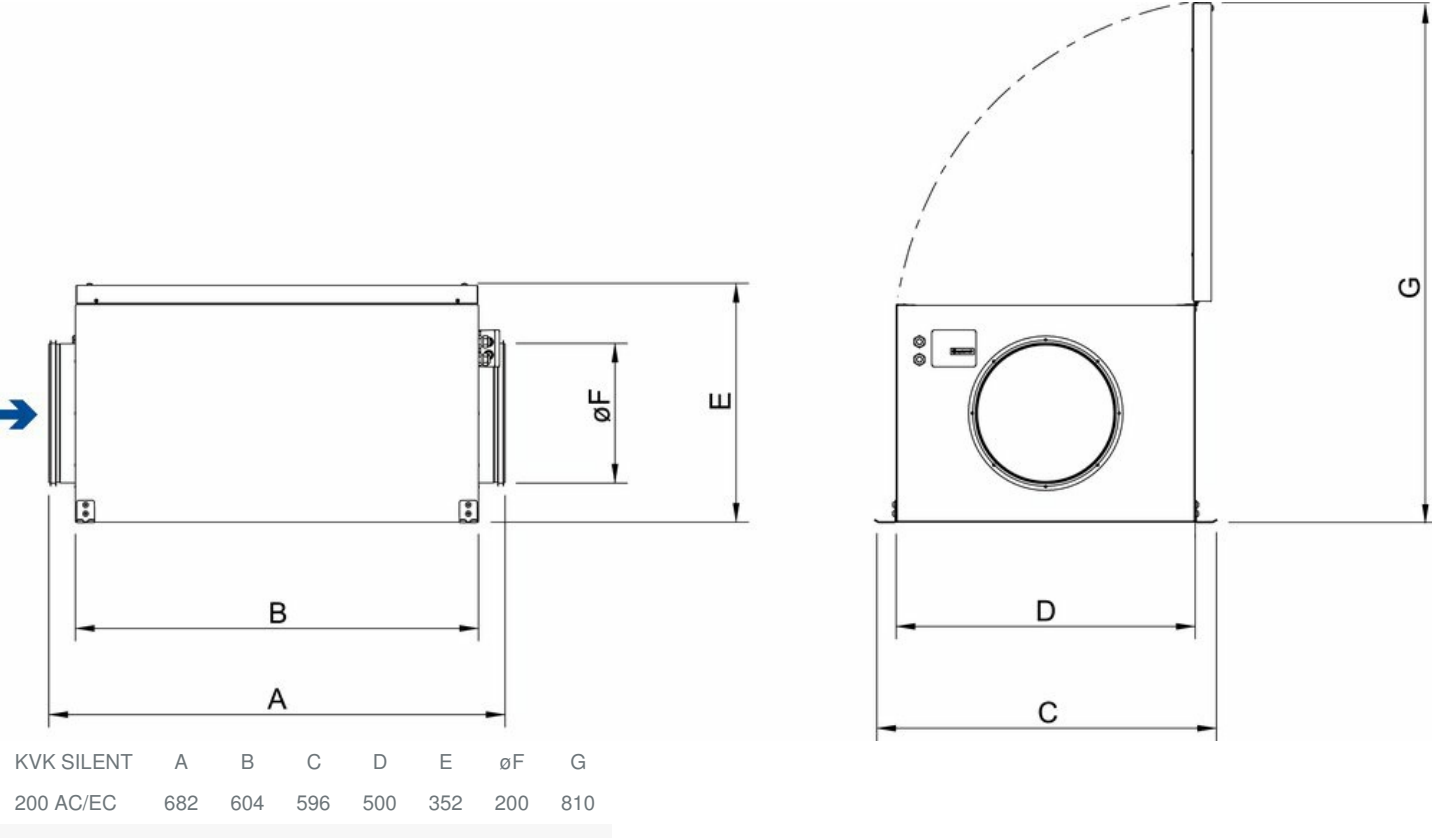
Performance curve



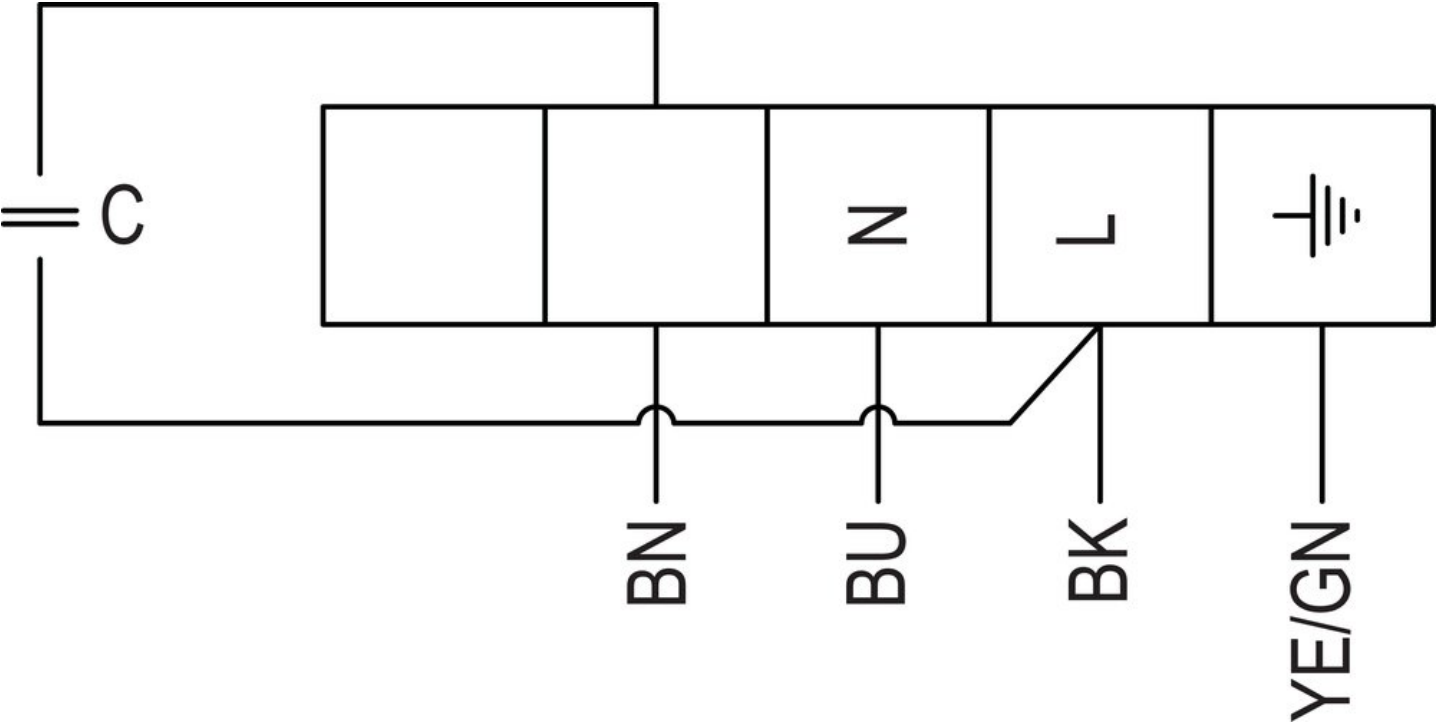
Hydraulic data	
Required air flow	0.12 m³/s
Required static pressure	209 Pa
Working air flow	0.12 m³/s
Working static pressure	209 Pa
Air density	1.204 kg/m³
Power	103.2 W
Fan control - RPM	2444 rpm
Current	0.46 A
SFP	0.840 kW/m³/s
Control voltage	230.0 V
Supply voltage	230 V

Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	49	55	60	55	47	46	44	40	63
Outlet	dB(A)	48	49	60	59	56	57	51	40	65
Surrounding	dB(A)	24	32	44	40	34	31	33	33	46

Dimension



Wiring



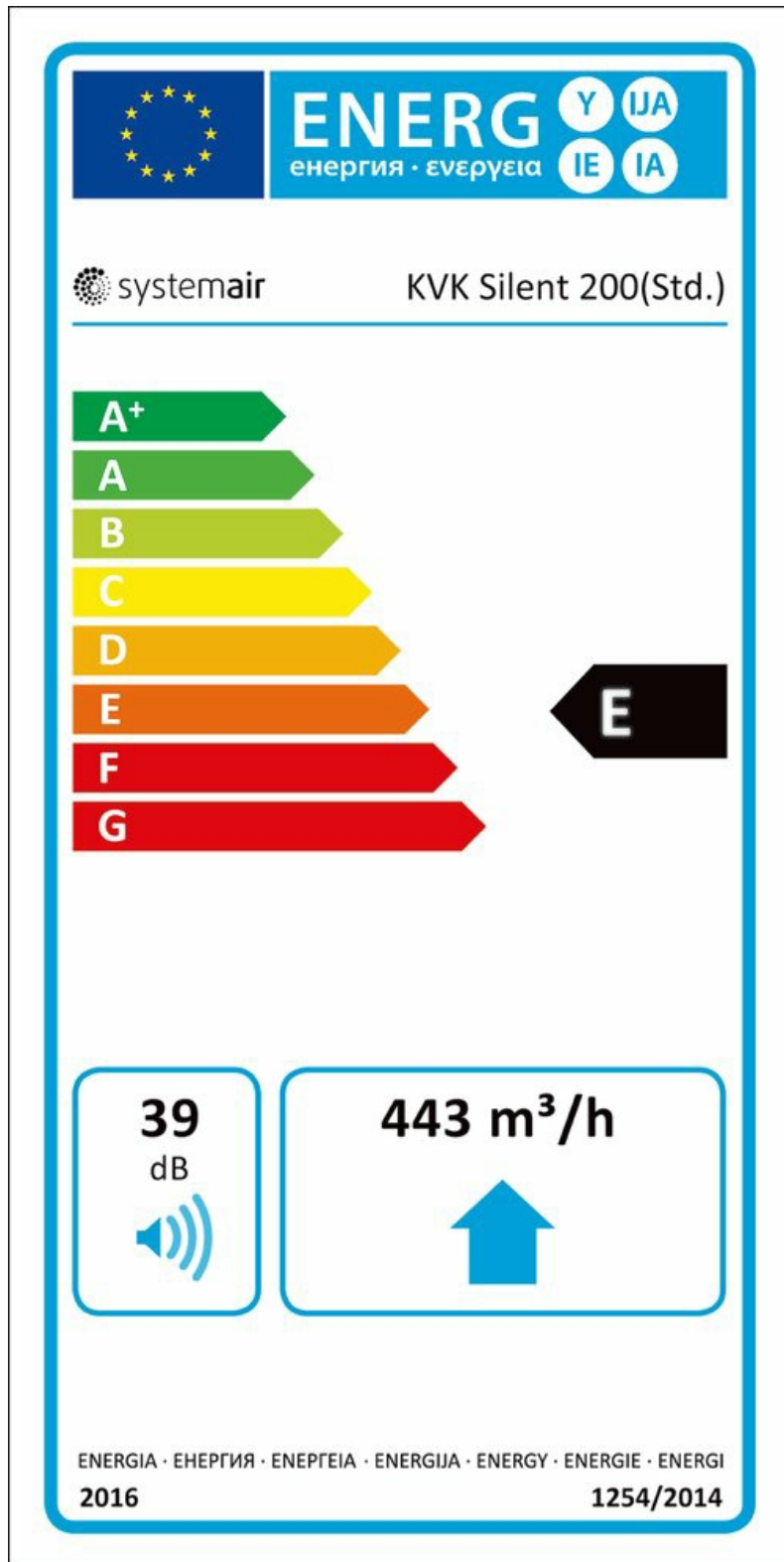
YE	Yellow
BU	Blue
GN	Green
BN	Brown
BK	Black

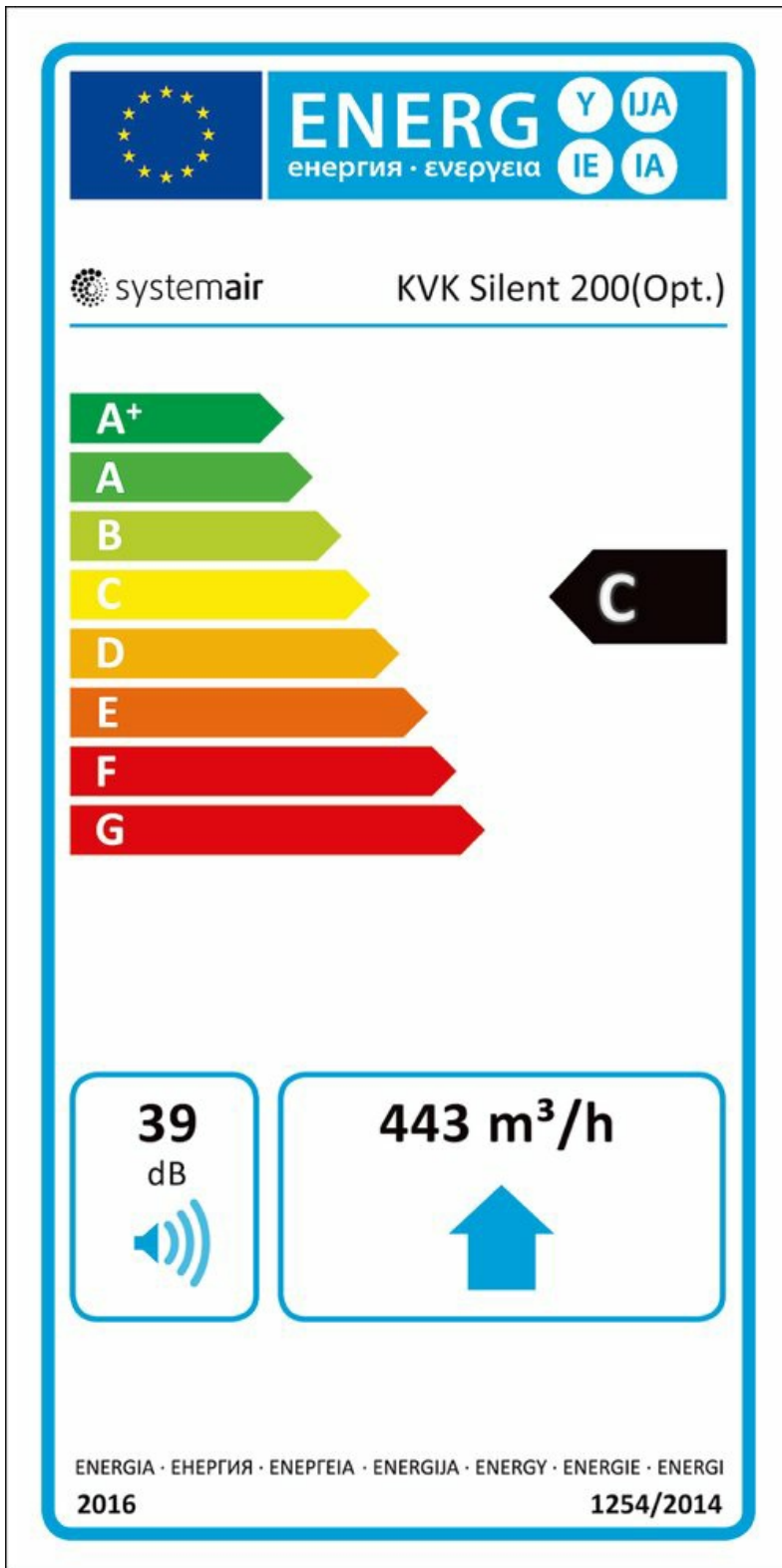
Product	
Trade name	Systemair
Product name	KVK Silent 200

Basic unit		
ErP compliance	2016	
SEC Average	-12.6	kWh/(m².a)
SEC Cold	-29	kWh/(m².a)
SEC Warm	-3.2	kWh/(m².a)
SEC Class	E	
Unit category	RVU	
Unit type	UVU	
Drive	External MSD or VSD	
Heat recovery type	None	
Temperature ratio (UVU)	Not applicable	
qv max	443	m³/h
P max	103	W
Sound power level LWA	39	dB(A)
qv ref	0.033	m³/s
Ps ref	50	Pa
SPI	0.041	kW/(m³/h)
CTRL	1	
MISC	1.1	
x-value	1.5	
External Leakage	0.1	%
AEC average	183	kWh
AHS Cold	183	kWh
AEC warm	183	kWh
AHS Average	1,715	kWh/a
AHS Cold	3,355	kWh/a
AHS Warm	776	kWh/a

Units with local demand control		
ErP compliance	2018	
SEC Average	-25.9	kWh/(m².a)
SEC Cold	-53	kWh/(m².a)
SEC Warm	-10.4	kWh/(m².a)
SEC Class	C	
Unit category	RVU	
Unit type	UVU	
Drive	External MSD or VSD	
Heat recovery type	None	
Temperature ratio (UVU)	Not applicable	
qv max	168	m³/h
P max	62	W
Sound power level LWA	39	dB(A)
qv ref	0.0327	m³/s
Ps ref	50	Pa
SPI	0.041	kW/(m³/h)
CTRL	0.65	
MISC	1.1	
x-value	1.5	
External Leakage	0.1	%
AEC average	96	kWh
AEC cold	96	kWh
AEC warm	96	kWh
AHS Average	2,830	kWh/a
AHS Cold	5,536	kWh/a
AHS Warm	1,280	kWh/a

Energy class label





Accessories

- CB 200-2,1 230V/1 Duct heater (5384)
- CB 200-3,0 230V/1 Duct heater (5370)
- CB 200-5,0 400V/2 Duct heater (5371)
- CB 200/S1/3,0KW 400V/2Duct hea (5294)
- CBM 200-5,0 400V/2 Duct heater (5483)
- CO2RT-R-D Transmitter (6993)
- CWK 200-3-2,5 Duct cooler,circ (30023)
- FFR 200 Filter cassette (1773)
- FGR 200 Filter cassette (1812)
- FK 200 Fast clamp (1611)
- FRQ5S-E-6A (37421)
- FRQS-E-6A (37419)
- IGK-200 Wall Grid (1633)
- LDC 200-600 Silencer (5194)
- LDC 200-900 Silencer (5195)
- Presence detector/IR24-P (6995)
- REE 1 Speed control (5314)
- REPT 6 Digital regulator (5698)
- RETP 6 Temp/Pressure regulator (32293)
- REU 1.5 Speed control (5004)
- REV-5POL/05 ON/OFF (33979)
- RSK-200 Back draft damper (5602)
- RT 0-30 Room Thermostat (5151)
- RTRE 1,5 Speed control (5008)
- S-ET 10 Motor Protection (5154)
- S-ET 10E Motor Protection (5155)
- SG 200 Protection guard (5609)
- STL 1.5 Speed controller (84251)
- THB 200 Hood w.cover pl. black (134465)
- VBC 200-2 Water heating batt (5459)
- VBC 200-3 Water heating batt (9841)
- VBF 200 Water heating battery (1732)
- VK-20 Louvre shutter (5639)
- VKK-200 Back draft damper (1626)

Documents

- [KVK_SILENT_SLIM_OPERATING_MAINTENANCE_145899_CE_EN_A007.PDF](#)