

KVK Slim 200 EC

Centrifugal circular duct fan <125W

Item Number: 92152

Variant: 230V 1~ 50/60Hz



- Slim design, easy to install
- Easy maintenance, service cover
- Low sound level, insulated cover
- High efficiency and low SFP in a real working point
- Potentiometer included, possible to speed control 0-100%
- Simple to install, mounting brackets included
- Integrated motor protection
- Aluzinc casing, C4 corrosion class

KVK Slim is a box fan with circular duct connections. The lid is insulated to keep a low sound level. The fan can be installed in any position. The casing is manufactured from Aluzinc in corrosion class C4.

KVK Slim EC is delivered with integrated motor protection and pre-wired potentiometer (0-10V) that allows you to easily find the desired working point. The fan can be demand controlled via sensors for CO₂, temperature, humidity, presence indication and VAV.

Size 315-500 also offers possibility to communication via Modbus. 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; 60	Hz
Phase(s)	1~	
Input power	115	W
Input current	0.9	A
Impeller speed	2,513	r.p.m.
Air flow	max 0.26	m ³ /s
Temperature of transported air	max 60	°C
Max temperature of transported air, when speed controlled	60	°C

Sound data

Sound pressure level at 3m (20m ² Sabin)	51 dB(A)
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Protection/Classification

Enclosure class, motor	IP54
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Insulation class	B
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Data according to ErP

Energy class, Basic unit	E
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Energy class, Local demand	B
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ErP ready	ErP 2018
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Dimensions and weights

Duct dimension; Circular, inlet	200 mm
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Duct dimension; Circular, outlet	200 mm
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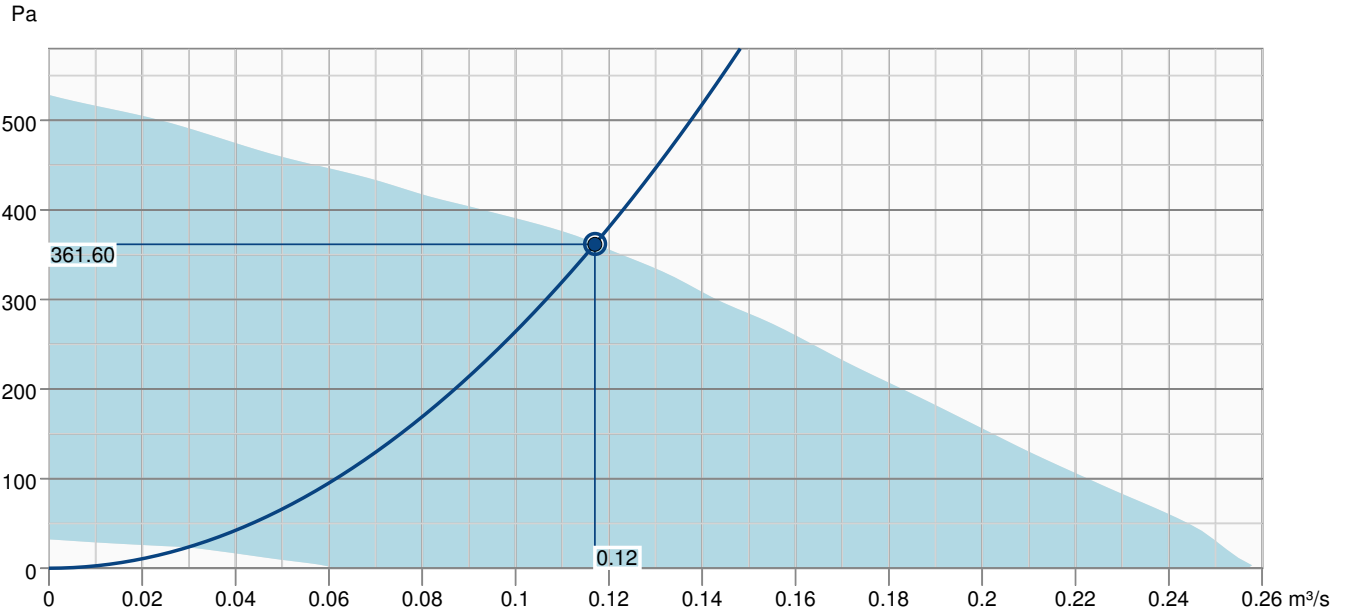
Weight	10.15 kg
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Others

Duct connection type	Circular
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Motor type	EC
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Performance curve

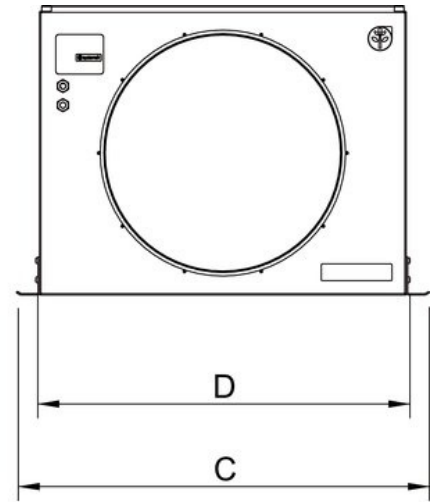
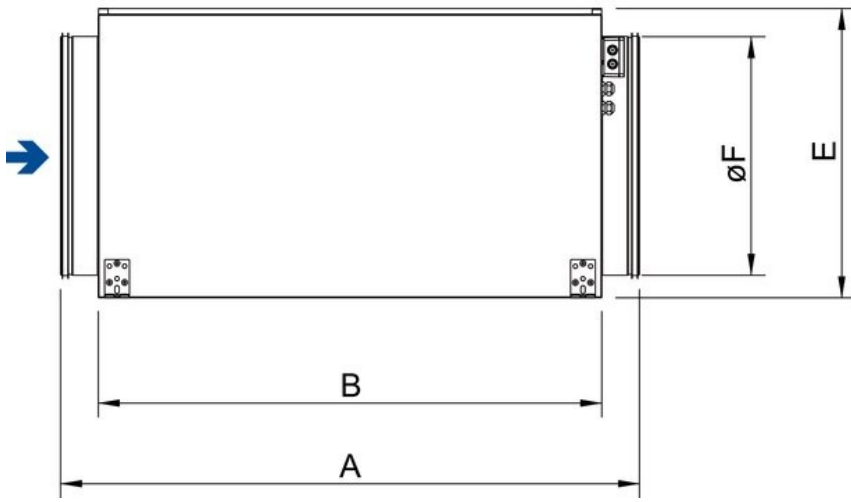


Hydraulic data

Required air flow	0.12 m³/s
Required static pressure	362 Pa
Working air flow	0.12 m³/s
Working static pressure	362 Pa
Air density	1.204 kg/m³
Power	111.1 W
Fan control - RPM	2560 rpm
Current	0.84 A
SFP	0.949 kW/m³/s
Control voltage	10.0 V
Supply voltage	230 V

Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	51	62	68	69	63	58	53	46	73
Outlet	dB(A)	52	52	69	64	57	59	52	43	71
Surrounding	dB(A)	28	45	52	57	49	46	38	31	59
Sound pressure level at 3m (20m² Sabine)	dB(A)	-	-	-	-	-	-	-	-	52
Sound pressure level at 3m free field	dB(A)	-	-	-	-	-	-	-	-	38

Dimension



KVK SLIM	A	B	C	D	E	øF
200 AC/EC	620	542	513	415	270	200

Wiring

RD Red

YE Yellow

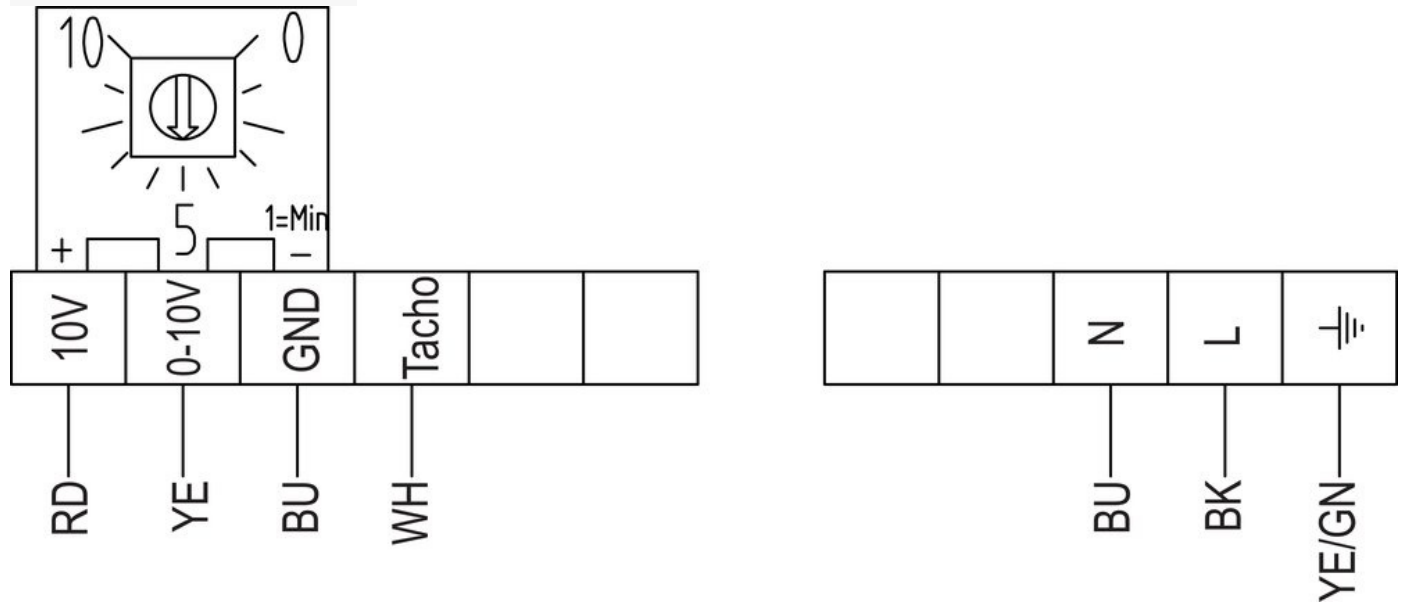
BU Blue

WH White

GN Green

BN Brown

BK Black



Ecodesign

Product		
Trade name	Systemair	
Product name	KVK Slim 200 EC	
Basic unit		
ErP compliance	2016	
SEC Average	-14.7	kWh/(m ² .a)
SEC Cold	-31.1	kWh/(m ² .a)
SEC Warm	-5.3	kWh/(m ² .a)
SEC Class	E	
Unit category	RVU	
Unit type	UVU	
Drive	Integrated VSD	
Heat recovery type	None	
Temperature ratio (UVU)	Not applicable	
qv max	792	m ³ /h
P max	114	W
Sound power level LWA	51	dB(A)
qv ref	0.043	m ³ /s
Ps ref	50	Pa
SPI	0.022	W/(m ³ /h)
CTRL	1	
MISC	1.1	
x-value	2	
External Leakage	1.4	%
AEC average	99	kWh
AHS Cold	99	kWh
AEC warm	99	kWh
AHS Average	1,715	kWh/a
AHS Cold	3,355	kWh/a
AHS Warm	776	kWh/a

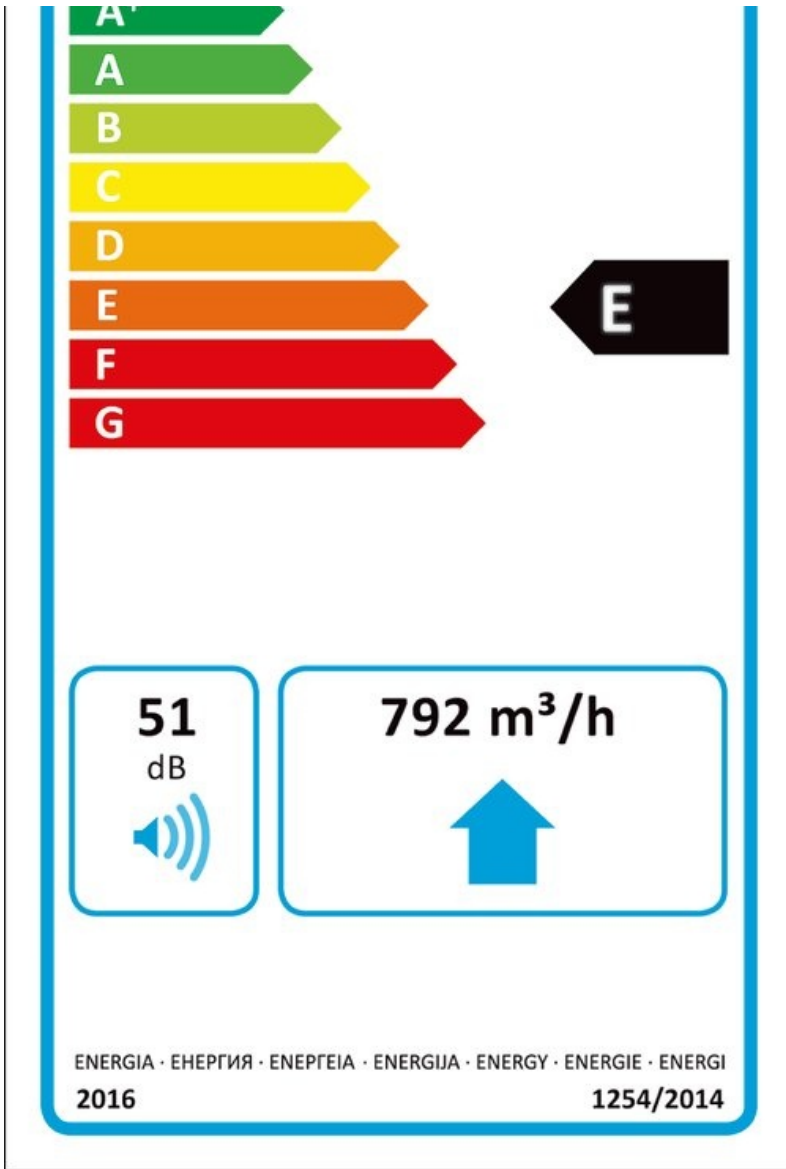
Units with local demand control

ErP compliance	2018
SEC Average	-27.3 kWh/(m ² .a)
SEC Cold	-54.3 kWh/(m ² .a)
SEC Warm	-11.8 kWh/(m ² .a)
SEC Class	B
Unit category	RVU
Unit type	UVU
Drive	Integrated VSD
Heat recovery type	None
Temperature ratio (UVU)	Not applicable
qv max	792 m ³ /h
P max	114 W
Sound power level LWA	51 dB(A)
qv ref	0.0428 m ³ /s
Ps ref	50 Pa
SPI	0.022 W/(m ³ /h)
CTRL	0.65
MISC	1.1
x-value	2
External Leakage	1.4 %
AEC average	42 kWh
AEC cold	42 kWh
AEC warm	42 kWh
AHS Average	2,830 kWh/a
AHS Cold	5,536 kWh/a
AHS Warm	1,280 kWh/a

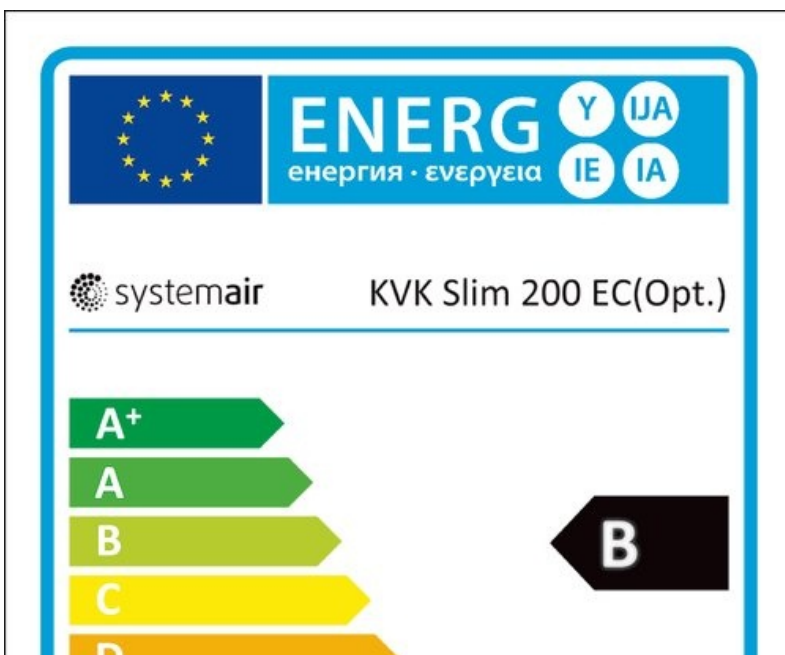
Energy class label

Energy class, Basic unit





Energy class, Local demand





51
dB



792 m³/h



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2016 **1254/2014**

Accessories

- CXE/AVC Modbus (37256)
- EC-Basic-CO2 and temperature (24808)
- EC-Basic-T temperature (24805)
- EC-Selector (9908)
- EC-Vent Room Unit (3018)
- MTP 20, on/off, 3-step (310220)
- REV-5POL/05 ON/OFF (33979)
- SG 200 Protection guard (5609)
- CO2RT-R-D Transmitter (6993)
- Presence detector/IR24-P (6995)
- VBF 200 Water heating battery (1732)
- CB 200-3,0 230V/1 Duct heater (5370)
- CB 200-5,0 400V/2 Duct heater (5371)
- CWK 200-3-2,5 Duct cooler,circ (30023)
- FGR 200 Filter cassette (1812)
- LDC 200-300 Silencer (53369)
- LDC 200-900 Silencer (5195)
- VBC 200-2 Water heating batt (5459)
- VK-20 Louvre shutter (5639)
- DMD-C Pressure controller (15793)
- EC-Basic-H humidity (24807)
- EC-Basic-U universal 0-10V (24806)
- EC-Vent control board (3115)
- MTP 10, 10K, Speed control (32731)
- MTV-1/010 Controller 0..10V+ (30650)
- S-5EC/FRQ (76738)
- VKK-200 Back draft damper (1626)
- IGK-200 Wall Grid (1633)
- RT 0-30 Room Thermostat (5151)
- CB 200-2,1 230V/1 Duct heater (5384)
- CB 200-3,0 400V/2 Duct heater (5294)
- CBM 200-5,0 400V/2 Duct heater (5483)
- FFR 200 Filter cassette (1773)
- FK 200 Fast clamp (1611)
- LDC 200-600 Silencer (5194)
- RSK-200 Back draft damper (5602)
- VBC 200-3 Water heating batt (9841)

Documents

- [KVK_SILENT_SLIM_OPERATING_MAINTENANCE_145899_CE_EN_A007.PDF](#)