

KVK SILENT 315 EC

Item no. 92172

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Description

- 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
- Potentiometer included, possible to speed control 0-100%
- Simple to install, mounting brackets included
- Integrated motor protection
- 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. The casing is manufactured from Aluzinc in corrosion class C4.

KVK Silent 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.

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.

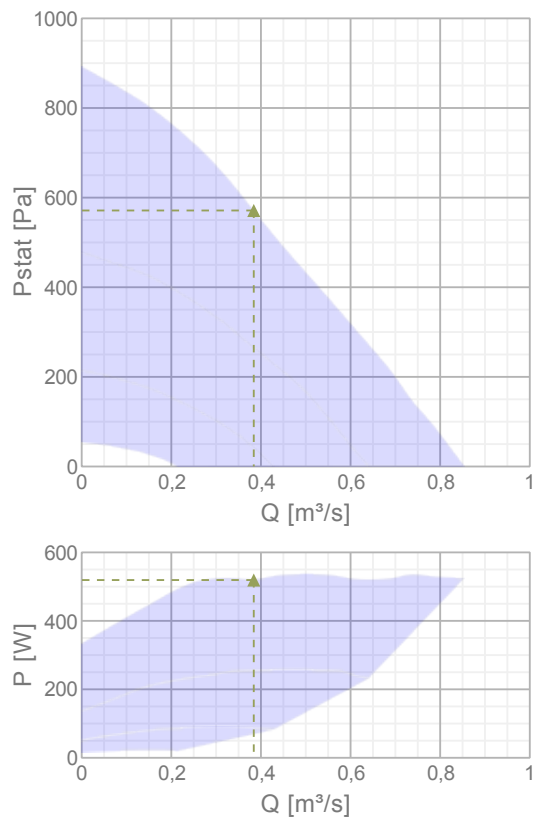


Technical parameters

Nominal data		
Voltage	230	V
Frequency	50/60	Hz
Phase	1	~
Input power (P1)	533	W
Current	2,32	A
Max. airflow	0,853	m ³ /s
R.p.m.	2315	r.p.m.
Weight	55	kg
Temperature data		
Max. temperature of transported air	60	°C
Max. temperature of transported air when speed-controlled	60	°C
Sound data		
Sound pressure level at 3 m	53,1	dB(A)
Protection / Classification		
Insulation class	F	
Enclosure class, motor	IP55	

Diagrams

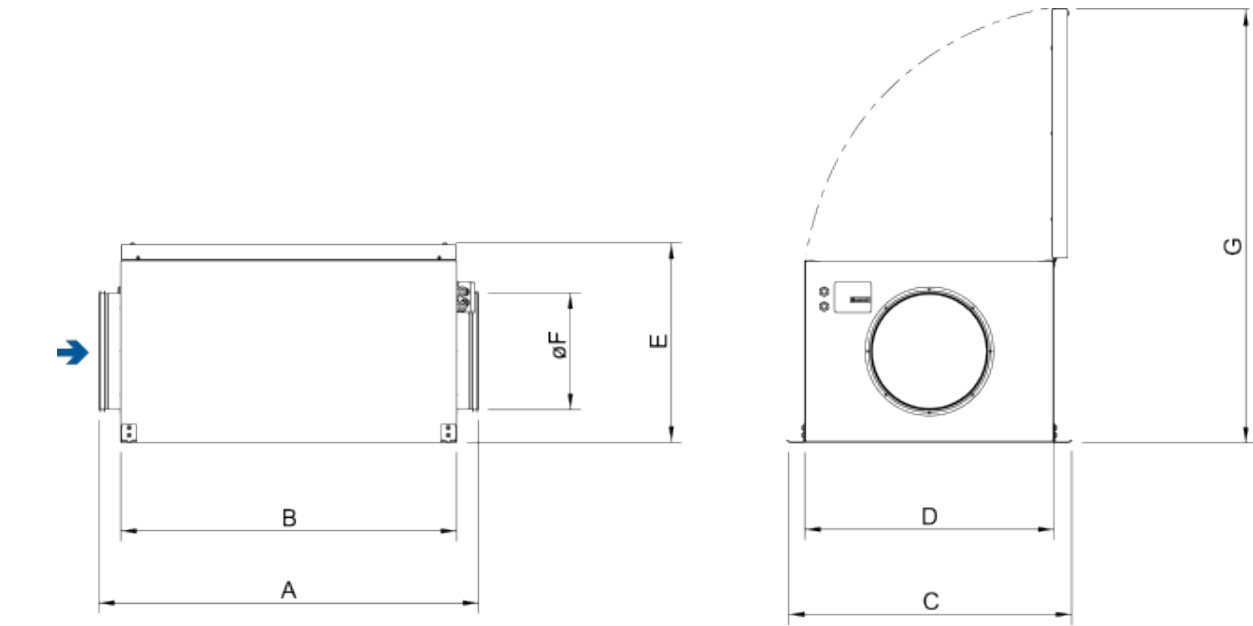
Diagrams



Max efficiency

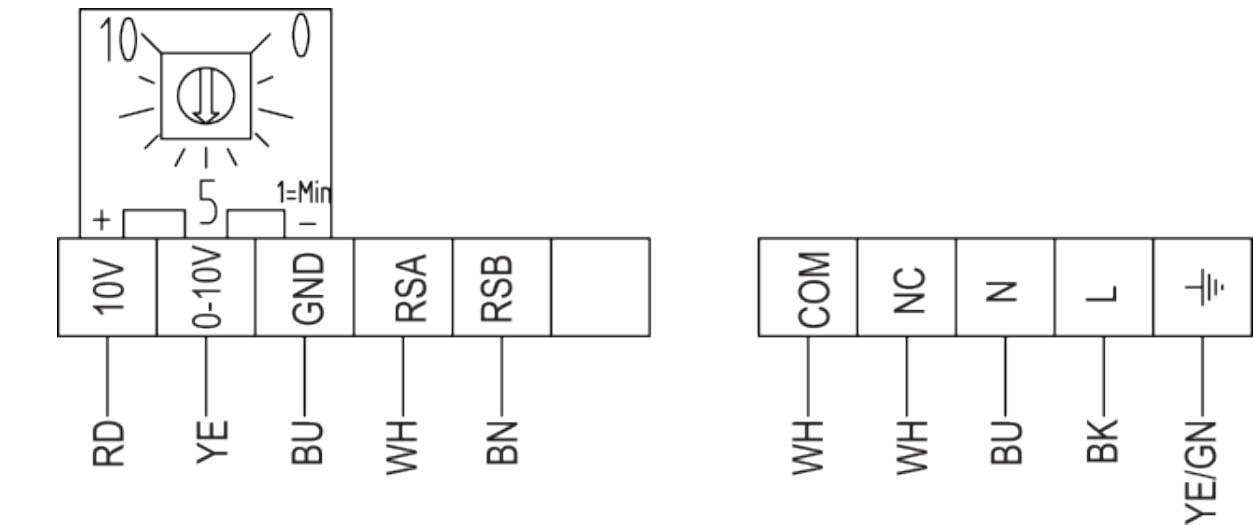
Hydraulic data										
▲ Working air flow		0,384 m³/s								
▲ Working static pressure		571 Pa								
▲ Power		519 W								
Speed		2360 r.p.m.								
Current		2,28 A								
SFP		1,35 W/(l/s)								
Voltage		230 V								
Sound power level		63	125	250	500	1k	2k	4k	8k	Tot
Inlet	dB(A)	60	62	71	55	55	53	50	48	72
Outlet	dB(A)	54	66	77	66	68	66	61	54	79
Surrounding	dB(A)	35	41	60	47	39	36	36	35	60

Dimensions



KVK SILENT	A	B	C	D	E	øF	G
315 EC	946	826	768	672	493	315	1125

Wiring



RD	Red
YE	Yellow
BU	Blue
WH	White
GN	Green
BN	Brown
BK	Black

Accessories

Electric accessories

[RT 0-30 Room Thermostat \(5151\)](#)
[CO2RT-R-D Transmitter \(6993\)](#)
[Presence detector/IR24-P \(6995\)](#)
[MTV-1/010 Controller 0..10V+ \(30650\)](#)
[DMD-C Pressure controller \(15793\)](#)
[MTP 10, 10K, Speed control \(32731\)](#)
[EC-Vent Room Unit \(3018\)](#)
[EC-Vent control board \(3115\)](#)
[REV-3POL/03 ON/OFF \(33978\)](#)
[MTP 20, on/off, 3-step \(310220\)](#)
[EC-Basic-H humidity \(24807\)](#)
[EC-Basic-T temperature \(24805\)](#)
[EC-Basic-U universal 0-10V \(24806\)](#)
[EC-Basic-CO2 and temperature \(24808\)](#)
[EC-Selector \(9908\)](#)
[CXE/AVC Modbus \(37256\)](#)
[S-5EC/FRQ \(76738\)](#)
[PCA 1000D2 Pressure controller \(76739\)](#)

Accessories

[CB 315-9,0 400V/3 Duct heater \(5375\)](#)
[CB 315-3,0 230V/1 Duct heater \(5386\)](#)
[CB 315-12,0 400V/3 Duct heater \(5387\)](#)
[CBM 315-9,0 400V/3 Duct heater \(5485\)](#)
[VBF 315 Water heating battery \(1734\)](#)
[CWK 315-3-2,5 Duct cooler,circ \(30025\)](#)
[VBC 315-2 Water heating batt \(5461\)](#)
[LDC 315-900 Silencer \(5197\)](#)
[FFR 315 Filter cassette \(1779\)](#)
[FGR 315 Filter cassette \(1818\)](#)
[FK 315 Fast clamp \(1613\)](#)
[VKK-315 Back draft damper \(1628\)](#)
[RSK-315 Back draft damper \(5604\)](#)
[SG 315 Protection guard \(5611\)](#)
[VK-30 Louvre shutter \(5641\)](#)
[VBC 315-3 Water heating batt \(9844\)](#)
[CB 315-6,0 400V/2 Duct heater \(5374\)](#)

Documentation



KVK_Silent_Slim_Operating_maintenance_145899_CE_EN_A007.pdf (1,47MB)



MODBUS LITE V5.01 parameter specification.pdf (726,08kB)