

KVK Silent 125 EC

Article number: 92168

Variant : 230V 1~ 50/60Hz



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

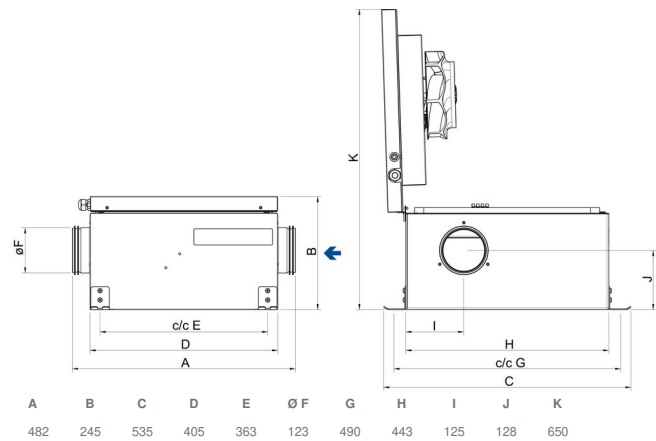
KVK Silent EC is a box fan with circular duct connections. The casing is insulated with thick and high density mineral wool insulation. The casing is manufactured from Aluzinc in corrosion class C4. A service cover with screw connection and hinges...

Find more details in our online catalogue

Technical parameters

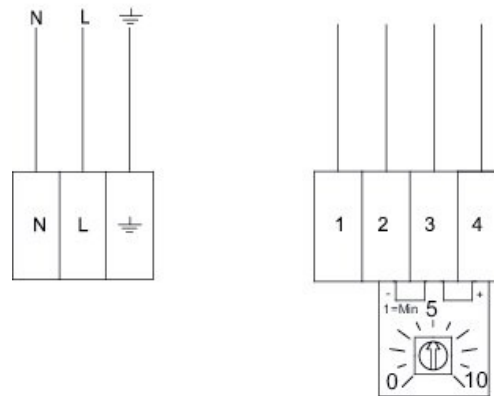
Nominal data	
Voltage (nominal)	230 V
Frequency	50; 60 Hz
Phase(s)	1~
Input power	75 W
Input current	0.633 A
Impeller speed	3,243 r.p.m.
Air flow	max 436 m³/h
Temperature of transported air	max 55 °C
Max temperature of transported air, when speed controlled	55 °C
Sound data	
Sound pressure level at 3m (20m² Sabin)	46 dB(A)
Protection/Classification	
Enclosure class, motor	IP54
Insulation class	B
Data according to ErP	
Energy class, Basic unit	E
Energy class, Local demand	B
ErP ready	ErP 2018
Dimensions and weights	
Duct dimension; Circular, inlet	125 mm
Duct dimension; Circular, outlet	125 mm
Weight	13.7 kg
Others	
Duct connection type	Circular
Motor type	EC

Dimension



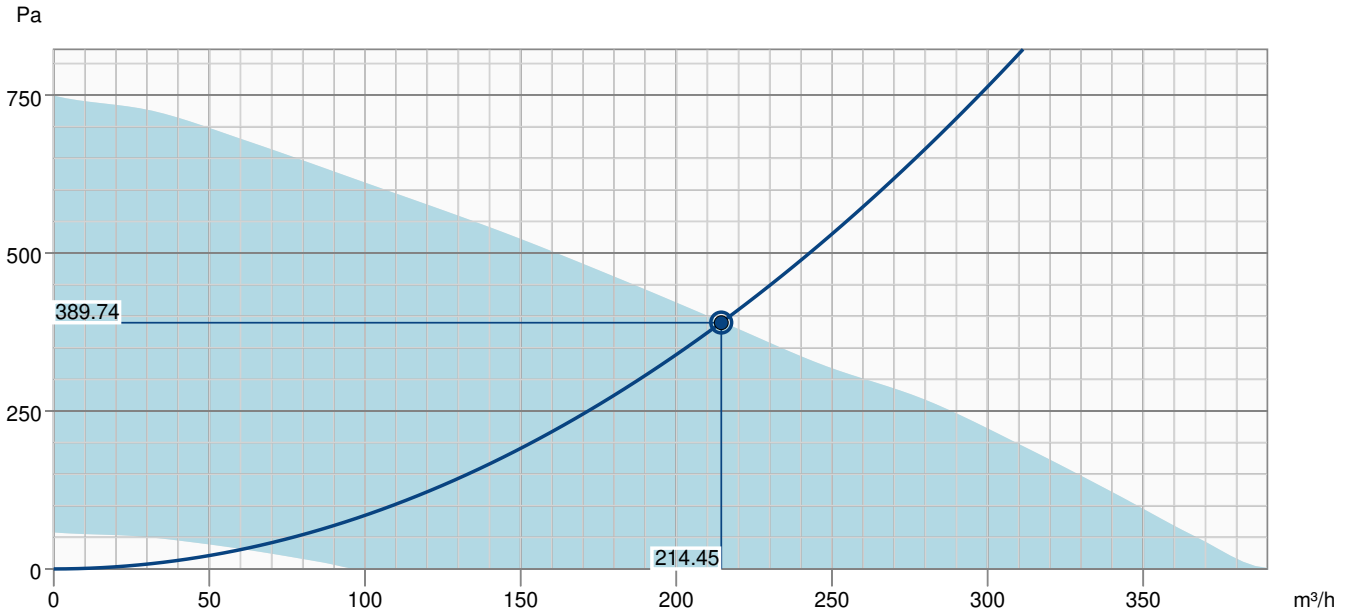
Wiring

Internal potentiometer, default 230V 1~



Terminal	Cable	Description
1	White	Tacho output, Isink max 10mA
2	Blue	GND
3	Yellow	Control input 0-10 VDC/PWM
4	Red	Output 10 VDC max 1.1 mA

Performance curve



Hydraulic data										
Required air flow										214 m³/h
Required static pressure										390 Pa
Working air flow										214 m³/h
Working static pressure										390 Pa
Air density										1.204 kg/m³
Power										73.9 W
Fan control - RPM										3524 rpm
Current										0.63 A
SFP										1.241 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)	54	53	53	53	47	45	42	38	60
Outlet	dB(A)	58	60	64	69	68	66	59	51	73
Surrounding	dB(A)	25	36	37	43	37	38	38	30	47
Sound pressure level at 3m (20m² Sabine)	dB(A)	-	-	-	-	-	-	-	-	40
Sound pressure level at 3m free field	dB(A)	-	-	-	-	-	-	-	-	26

Accessories

CXE/AVC Modbus (37256)

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-125 Back draft damper (1624)

HR1 Room Humidistat (215150)

Presence detector/IR24-P (6995)

Safety switch 2-pole grey (210679)

CB 125-0,6 230V/1 Duct heater (5289)

CB 125-1,8 230V/1 Duct heater (5377)

CBMF 125-1,2 230V/1 Duct heater (12242)

FFR 125 Filter cassette (1768)

FK 125 Fast clamp (1608)

LDC 125-600 Silencer (5190)

RSK-125 Back draft damper (5598)

THS 160 Hood w.cover pl. black (1839)

VBF 125 Water heating battery (1730)

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-3POL/03-7,5kW R/Y (33978)

SG 125 Protection guard (5607)

CO2RT-R-D Transmitter (6993)

IGK-125 Wall Grid (1631)

RT 0-30 Room Thermostat (5151)

VBC 125-3 Water heating batt (9839)

CB 125-1,2 230V/1 Duct heater (5290)

CBM 125-1,2 230V/1 Duct heater (5480)

CWK 125-3-2,5 Duct cooler,circ (30021)

FGR 125 Filter cassette (1804)

LDC 125-300 Silencer (53722)

LDC 125-900 Silencer (5191)

THB 160 Hood w.cover pl. black (1764)

VBC 125-2 Water heating batt (5457)

Room hygrostat HR-S (286251)

Documents

EC-fans_Operating_and_Maintenance_instr_206268_CE_multilingual.pdf