



KV DUO 250 EC

Item no. 76832

Document type: **Product card**
 Document date: **2019-07-10**
 Generated by: **Systemair Online Catalogue**

Description

- Speed-controllable
- Integrated electronic motor protection
- Safe and maintenance free operation
- Energy-saving
- Suitable for External Mounting as standard
- Low noise level
- Twin fan – Run & Standby

The KV DUO fans are driven by EC-external rotor motors. These are energy saving motors with high efficiency. The power electronics are integrated in the motor housing. All models have one potential-free terminal for error message. All motors are suitable to be used for 50/60Hz. The input voltage for single phase units can vary between 200 and 277V, for three phase units between 380 and 480V. Speed control by a 0-10V signal.

The fans are easy to connect to spiral ducts using FK mounting clamps. The KV DUO models are manufactured from Aluzinc sheet steel with acoustic insulation and are suitable for external mounting on roofs. All models are equipped with backward curved centrifugal impellers wired out to an IP65 Terminal box.



Technical parameters

Nominal data		
Voltage	230	V
Frequency	50	Hz
Phase	1	~
Input power (P1)	168	W
Current	1,19	A
Max. airflow	0,32	m³/s
R.p.m.	2810	r.p.m.
Weight	24,5	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	49,7	dB(A)
Protection / Classification		
Insulation class	B	
Enclosure class, motor	IP54	
ErP		
ErP ready	ErP 2016/ErP 2018	

Get In Touch

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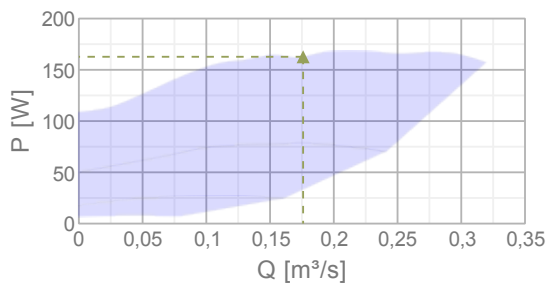
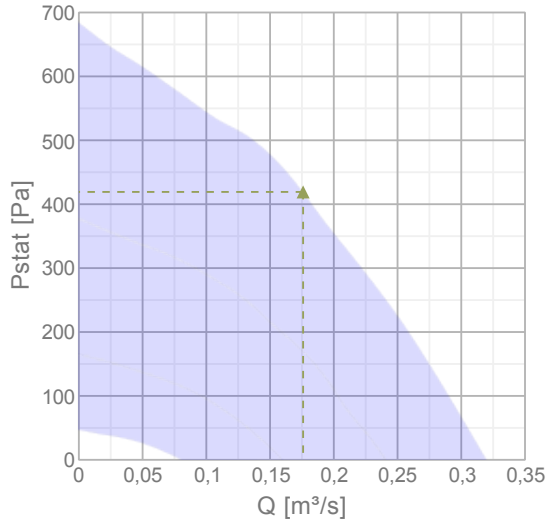
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 Settle, North Yorkshire, BD24 9RH



Diagrams

Diagrams



Max efficiency

Hydraulic data										
▲ Working air flow	0,176 m ³ /s									
▲ Working static pressure	419 Pa									
▲ Power	163 W									
Speed	2817 r.p.m.									
Current	1,17 A									
SFP	0,925 W/(l/s)									
Voltage	230 V									
Sound power level		63	125	250	500	1k	2k	4k	8k	Tot
Inlet	dB(A)	52	57	70	69	62	61	56	50	73
Outlet	dB(A)	53	57	71	70	65	68	59	56	75
Surrounding	dB(A)	24	42	51	53	49	46	36	34	57

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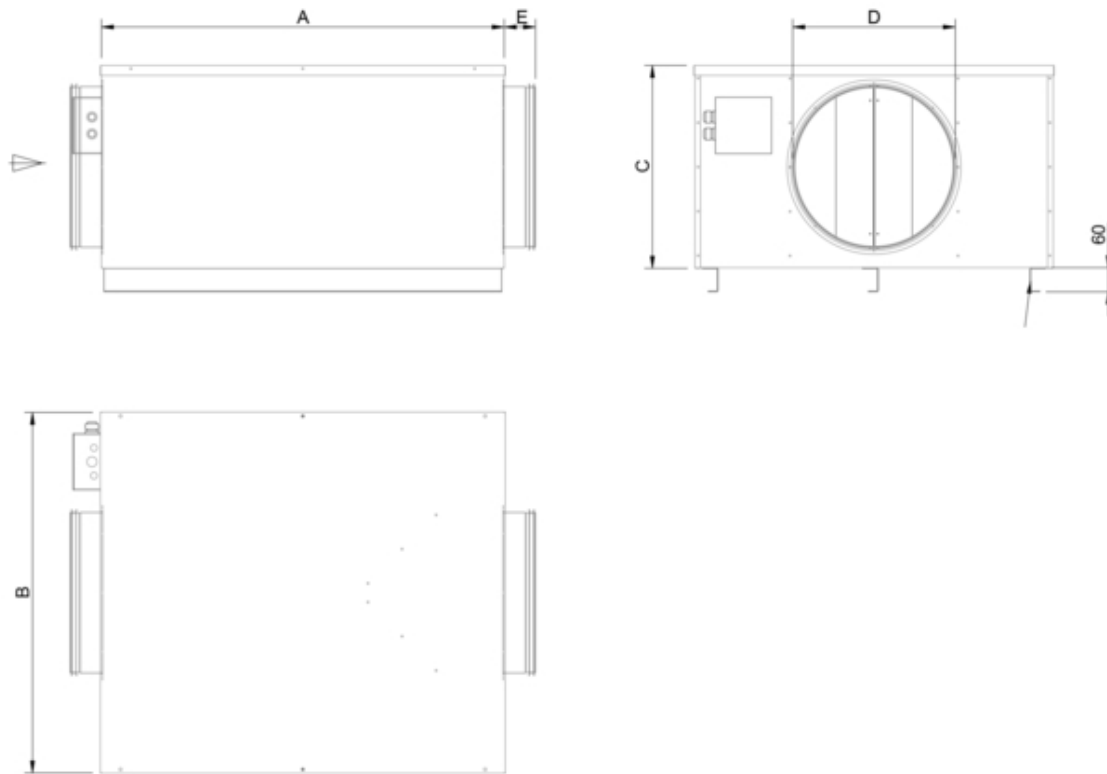
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Dimensions



KV DUO	A	B	C	D	E
150	500	360	280	150	40
250	580	430	360	250	60
315	740	650	425	315	60
400	1000	895	505	400	65
500	1265	940	605	500	80
630	1383	1205	884	630	80

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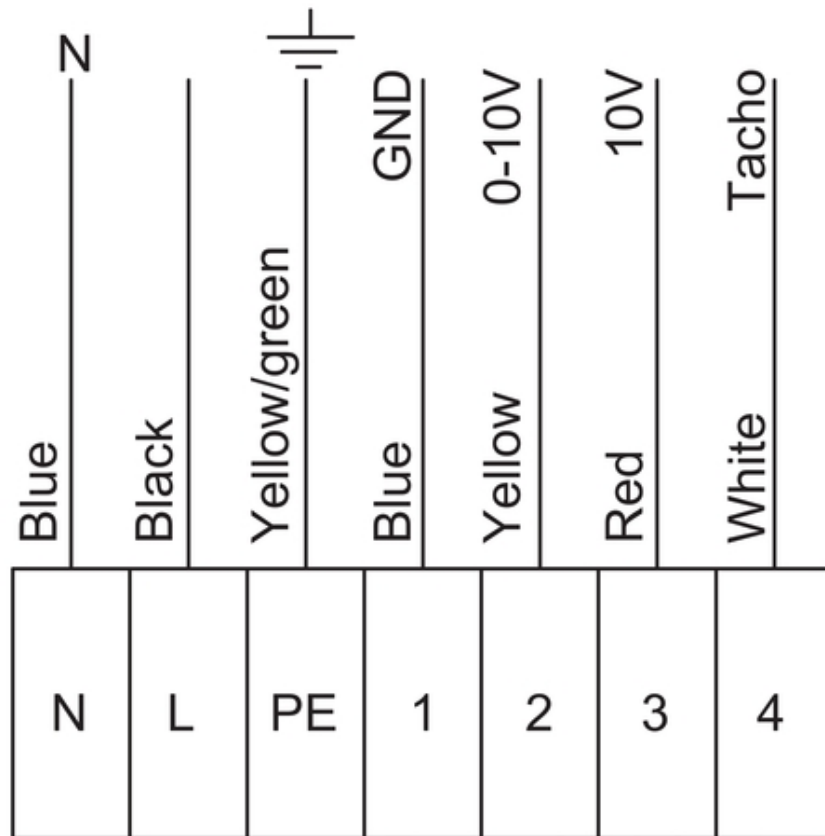


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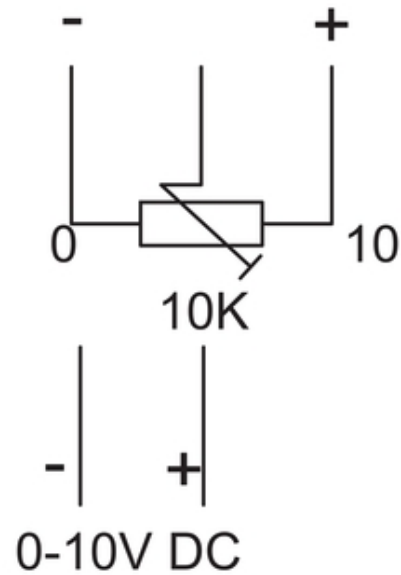
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230V 1~



External potentiometer
Optional



- N Blue
- L Black
- PE Yellow/green
- 1 Blue
- 2 Yellow
- 3 Red
- 4 White

External potentiometer optional

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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+ \(30650\)](#)
[MTP 10, 10K, Speed control \(32731\)](#)
[EC-Vent Room Unit \(3018\)](#)
[EC-Vent control board \(3115\)](#)
[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 \(76738\)](#)
[ACO8AC/EC ACO Panel IP40 \(93042\)](#)
[PCA 1000D2 Pressure controller \(76739\)](#)

Documentation



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



[EC-fans_Operation_and_maintenance_instr_206268_CE_\(A022\).pdf \(2,88MB\)](#)



[KV DUO 150-315 EC - ACO EC.PDF \(226,94kB\)](#)

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