

This product is discontinued

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Certifications



Ecodesign (ErP) compliant

Technical parameters

Nominal data

Voltage (nominal)	230	V
Frequency	50	Hz
Phases	1~	
Input power	747	W
Input power kW	0.747	kW
Input current	3.29	A
Impeller speed	1,367	rpm
Air flow	max 1,517	L/s
Capacitance of capacitor	16	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 (20m ² Sabin)	61	dB(A)
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Protection/Classification

Enclosure class, motor	IP54
Insulation class	F

Data according to ErP

ErP ready	ErP 2018
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Dimensions and weights

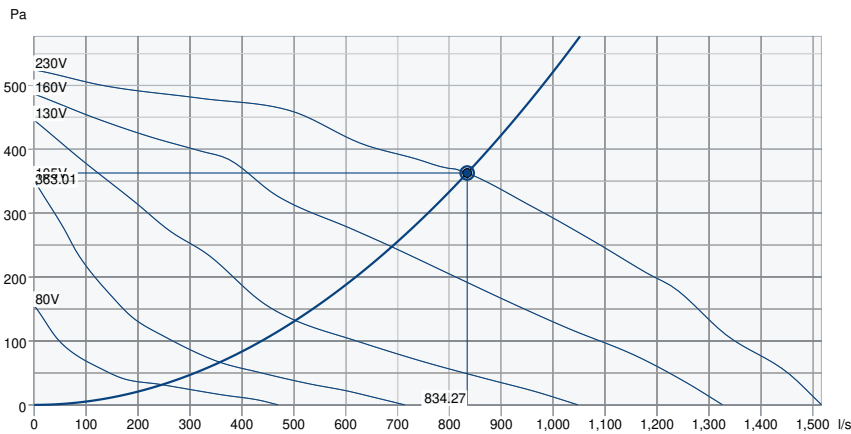
Duct dimension; Circular, inlet	500	mm
Duct dimension; Circular, outlet	500	mm
Weight	57.1	kg

Others

Duct connection type	Circular
Motor type	AC

Performance

Performance curve



Hydraulic data

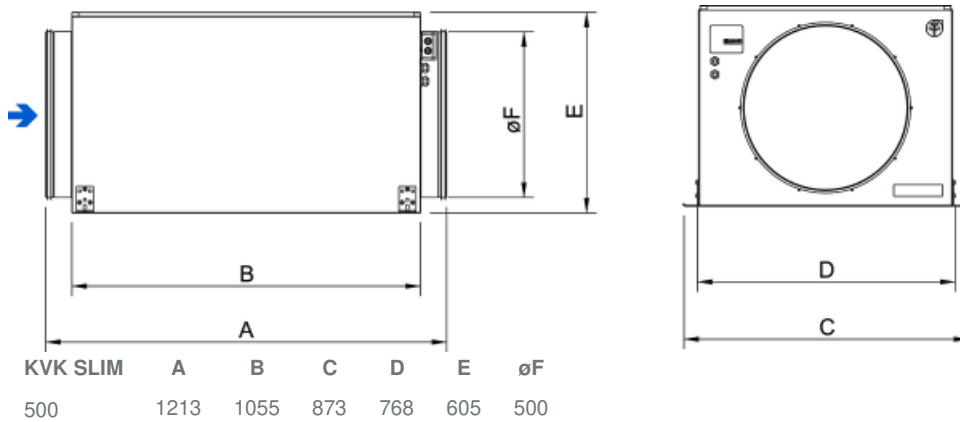
Required air flow	834.2 l/s
Required static pressure	363 Pa
Working air flow	834.3 l/s
Working static pressure	363 Pa
Air density	1.204 kg/m³
Power	728.8 W
Fan control - RPM	1,374 rpm
Current	3.23 A
SFP	0.874 kW/m³/s
Control voltage	230.0 V
Supply voltage	230 V

Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	60	75	70	67	67	66	61	53	78
Outlet	dB(A)	60	72	67	67	71	66	59	51	76
Surrounding	dB(A)	43	62	61	57	59	62	55	52	68
Sound pressure level at 3m (20m² Sabine)	dB(A)	-	-	-	-	-	-	-	-	61
Sound pressure level at 3m free field	dB(A)	-	-	-	-	-	-	-	-	47

Ecodesign

Product	
Trade name	Systemair
Product name	KVK Slim 500
Ecodesign	
ErP compliance	2018
Unit category	NRVU
Drive	External MSD or VSD
Unit type	UVU
Heat recovery type	None
Temperature ratio (UVU)	Not applicable
qv nom	0.834 m ³ /s
P nom	0.729 kW
Ps nom	363 Pa
Fan efficiency	41.5 %
External Leakage	1.4 %
Sound power (LWA)	60 dB(A)

Dimension



Wiring

Sign Color

YE Yellow

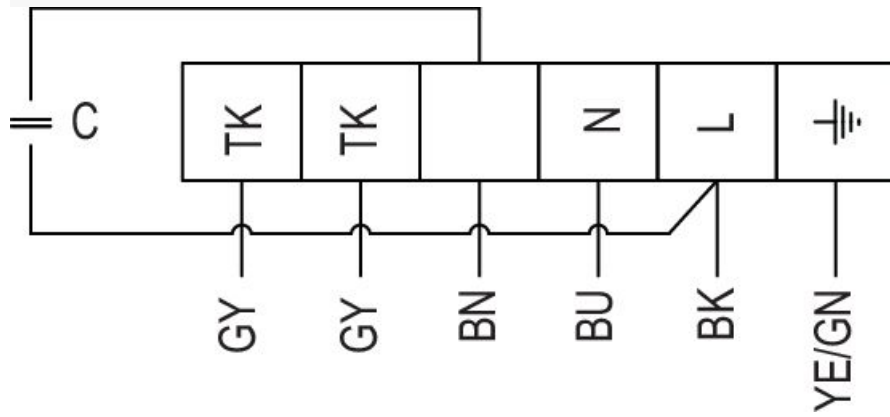
BU Blue

GN Green

BN Brown

BK Black

GY Grey



Accessories

- Frequency converter FRQ5SE-6A (37421)
- Motor protect. switch S-ET 10E (161205)
- REE 4 Speed control (5317)
- RETP 6 Temp/Pressure regulator (32293)
- REV-3POL/03-7,5kW R/Y (33978)
- RTRE 5 Speed control (5010)
- CO2RT-R-D Transmitter (6993)
- Frequency converter FRQSE-6A (37419)
- MicroREX D21 Plus Time Switch (17822)
- RT 0-30 Room Thermostat (5151)
- T 120 Timer (5165)
- VBC 500-2 Water heating batt (9837)
- Motor protect. switch S-ET 10 (161199)
- RE 5 Speed control (5002)
- REPT 6 Digital regulator (5698)
- REU 5 Speed control (5006)
- RSK-500 Back draft damper (73049)
- SG 500 Protection guard (5615)
- DTV500A (96807)
- HR1 Room Humidistat (215150)
- Presence detector/IR24-P (6995)
- Safety switch 2-pole grey (210679)
- FK 500 Fast clamp (1617)
- Room hygrostat HR-S (286251)

Documents

- [INSTALLATION_OPERATION_AND_MAINTENANCE_INSTRUCTION_KV_DUO__KVK_DUO__KVK_003__EN.PDF](#)
- [COMMISSIONING_RECORD_FANS__EN.PDF](#)