

KVK Slim 355

Centrifugal circular duct fan

Item Number: 92146

Variant: 230V 1~ 50Hz



- Slim design, easy to install
- Easy maintenance, service cover
- Low sound level, insulated cover
- High efficiency and low SFP in a real working point
- Speed-controllable
- Simple to install, mounting brackets included
- Integrated thermal contacts
- 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 can be demand controlled via sensors and controllers for CO₂, temperature, humidity, presence indication and VAV or manually speed controlled via a stepless thyristor or a 5-step transformer. To protect the motor from overheating, the fans have integral thermal contacts with leads for connection to a motor protection device.

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	Hz
Phase(s)	1~	
Input power	487	W
Input current	2.38	A
Impeller speed	1,346	r.p.m.
Air flow	max 1.016	m ³ /s
Capacitance of capacitor	10	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)	50	dB(A)
Protection/Classification		
Enclosure class, motor	IP54	
Insulation class	F	

Data according to ErP

ErP ready

ErP 2018

Dimensions and weights

Weight

41.5 kg

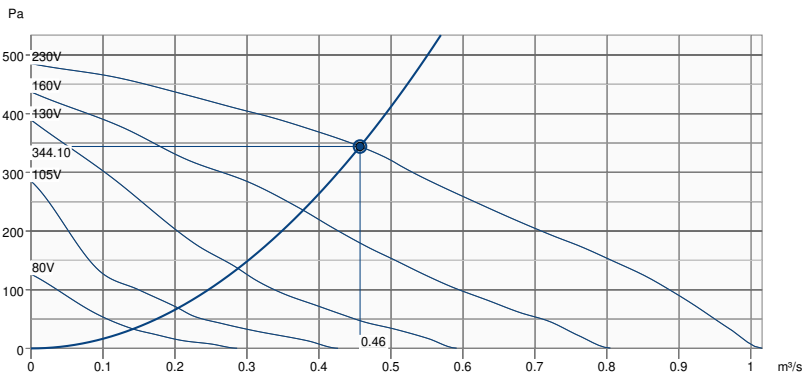
Others

Motor type

AC

Performance

Performance curve

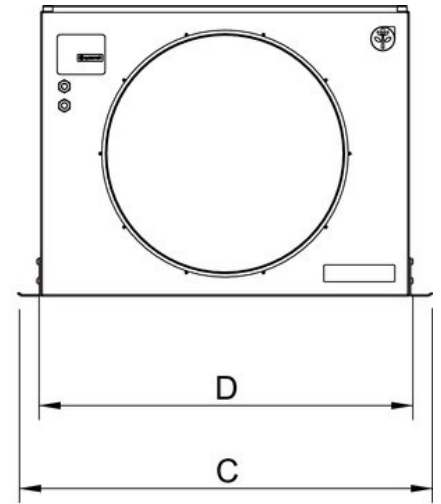
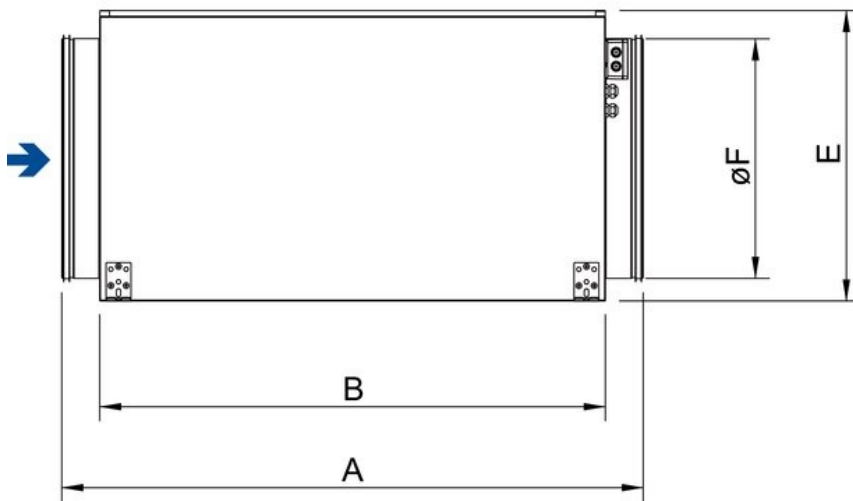


Hydraulic data

Required air flow	0.46 m³/s
Required static pressure	344 Pa
Working air flow	0.46 m³/s
Working static pressure	344 Pa
Air density	1.204 kg/m³
Power	426.5 W
Fan control - RPM	1374 rpm
Current	2.12 A
SFP	0.933 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)	50	69	60	59	58	58	55	48	70
Outlet	dB(A)	50	66	60	57	58	58	54	47	69
Surrounding	dB(A)	33	52	50	49	46	46	49	41	57
Sound pressure level at 3m (20m² Sabine)	dB(A)	-	-	-	-	-	-	-	-	50
Sound pressure level at 3m free field	dB(A)	-	-	-	-	-	-	-	-	36

Dimension



KVK SLIM	A	B	C	D	E	ØF
355	961	842	870	766	496	355

Wiring

YE Yellow

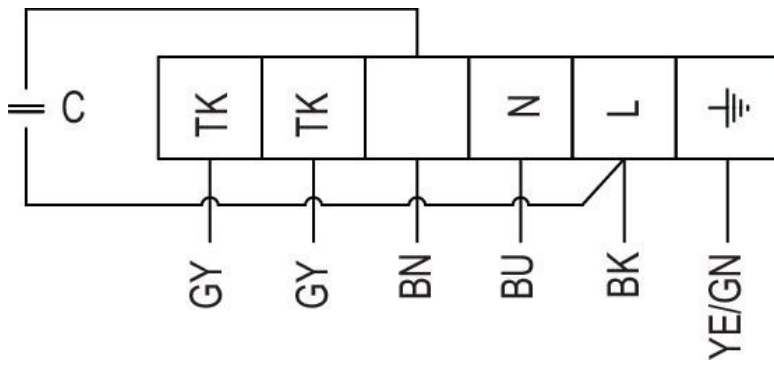
BU Blue

GN Green

BN Brown

BK Black

GY Grey



Ecodesign

Product	
Trade name	Systemair
Product name	KVK Slim 355
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	0.457 m ³ /s
P nom	0.426 kW
Ps nom	344 Pa
Fan efficiency	36.9 %
External Leakage	0.9 %
Sound power level LWA	50 dB(A)

Accessories

- FFR 355 Filter cassette (1782)
- REE 4 Speed control (5317)
- RETP 6 Temp/Pressure regulator (32293)
- REV-5POL/05-7,5kW R/Y (33979)
- S-ET 10 Motor Protection (5154)
- SG 355 Protection guard (5612)
- DTV500A (96807)
- HR1 Room Humidistat (215150)
- CB 355-12,0 400V/3 Duct heater (5390)
- CB 355-9,0 400V/3 Duct heater (5389)
- CBMF 355-9,0 400V/3 Duct heater (12443)
- FK 355 Fast clamp (1614)
- RSK-355 Back draft dmp. (9972)
- VK-35 Louvre shutter (5642)
- FRQ5S-E-6A (37421)
- REPT 6 Digital regulator (5698)
- REU 3 Speed control (5005)
- RTRE 3 Speed control (5009)
- S-ET 10E Motor Protection (5155)
- CO2RT-R-D Transmitter (6993)
- FRQS-E-6A (37419)
- RT 0-30 Room Thermostat (5151)
- CB 355-6,0 400V/2 Duct heater (5388)
- CBM 355-9,0 400V/3 Duct heater (5486)
- FGR 355 Filter cassette (1821)
- LDC 355-900 Silencer (5399)
- VBF 355 Water heating battery (1735)

Documents

- KVK_SILENT_SLIM_OPERATING_MAINTENANCE_145899_CE_EN_A007.PDF