

KD 315 L1**

Item no. 25336

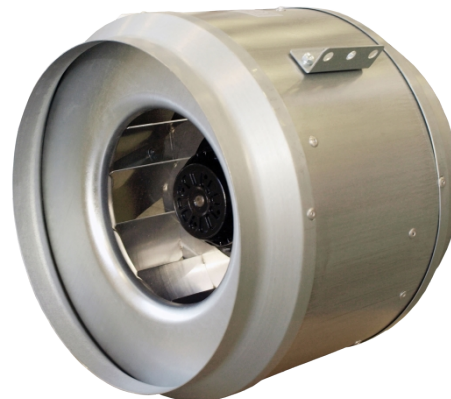
Version: 50 Hz

Document type: **Product card**
 Document date: **2018-09-17**
 Generated by: **Systemair Online Catalogue**

Description

- High efficiency – low noise
- Speed-controllable
- Integral thermal contacts
- Can be installed in any position
- Maintenance-free and reliable

The KD series have external rotor motors with a new type of mixed flow impeller which reduces the external dimensions of the fans. These fans have a high capacity in relation to their compact design. Brackets are supplied with the fans to make installation easier. The FK mounting bracket facilitates easy installation and removal and prevents the transfer of vibrations to the duct. To protect the motor from overheating the fan has integral thermal contacts with manual reset. The casing is manufactured from galvanised sheet steel.

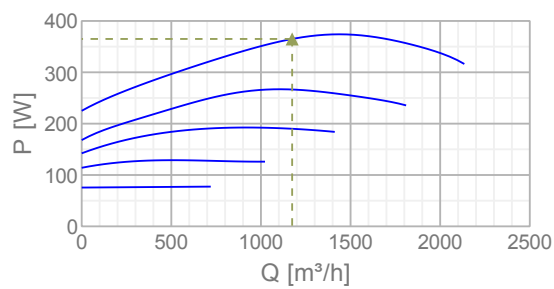
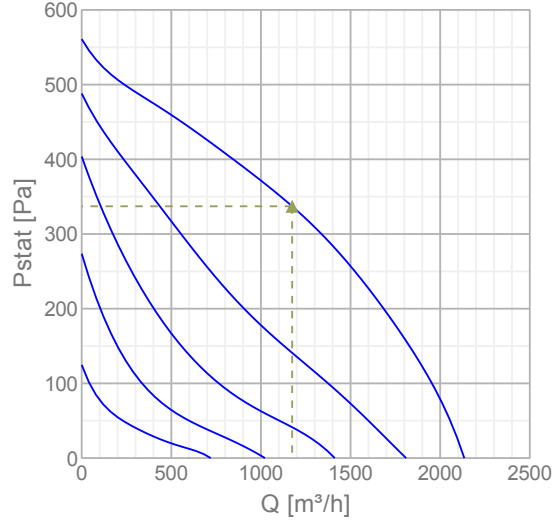


Technical parameters

Nominal data		
Voltage	230	V
Frequency	50	Hz
Phase	1	~
Input power (P1)	372	W
Current	1,62	A
Max. airflow	2135	m³/h
Fan impeller speed	2595	r.p.m.
Capacitor	10	µF
Weight	9	kg
Temperature data		
Max. temperature of transported air	70	°C
Max. temperature of transported air when voltage-controlled	70	°C
Sound data		
Sound pressure level at 3 m (20m² Sabin)	54	dB(A)
Protection / Classification		
Insulation class		F
Enclosure class, motor		IP44

Performance

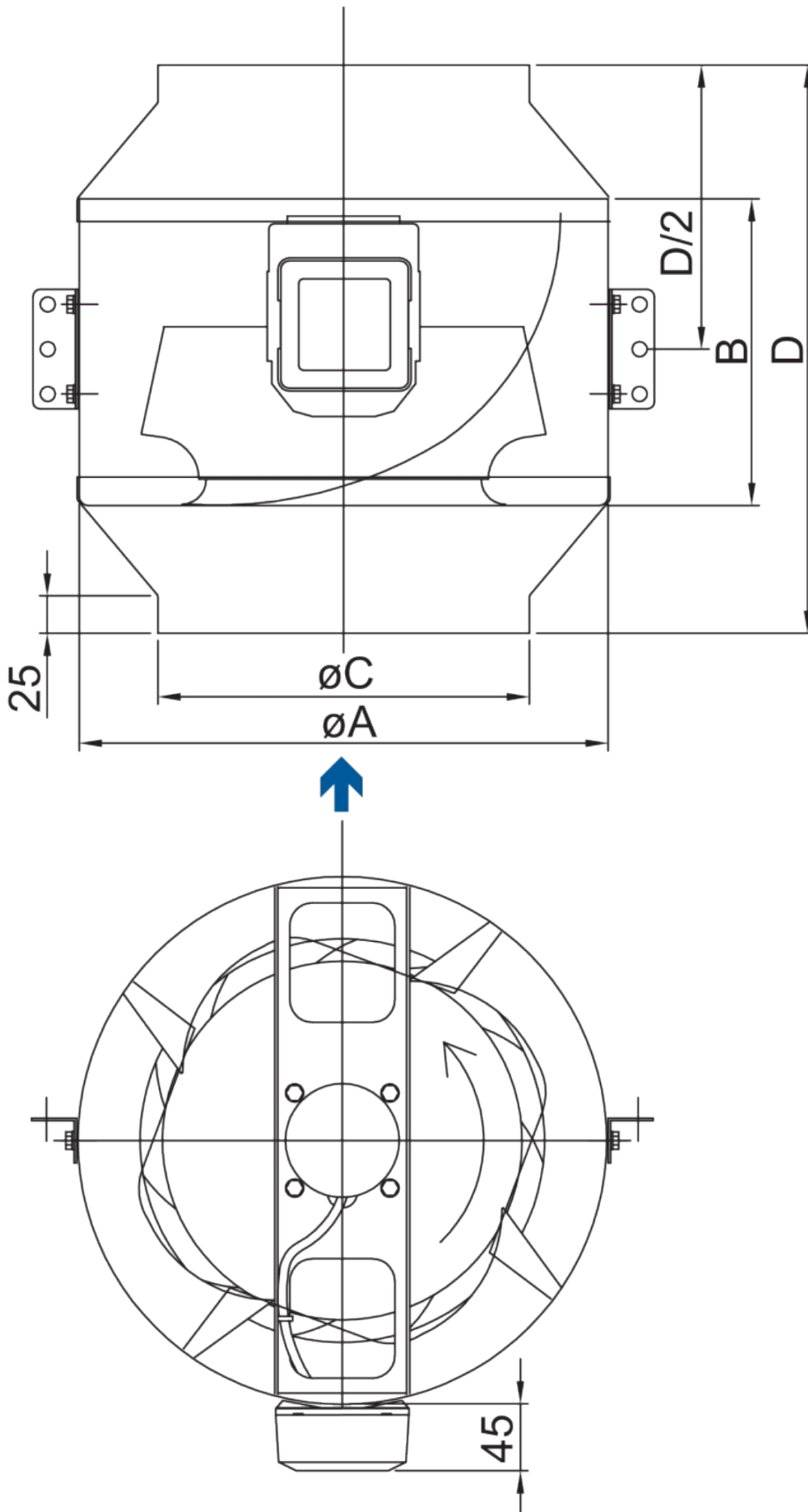
Diagrams



Max efficiency

Hydraulic data										
▲ Working air flow										1174 m ³ /h
▲ Working static pressure										337 Pa
▲ Power										365 W
Speed										2609 r.p.m.
Current										1,59 A
SFP										1,12 kW/(m ³ /s)
Voltage										230 V
Sound power level		63	125	250	500	1k	2k	4k	8k	Tot
Inlet	dB(A)	59	69	71	75	75	71	69	67	80
Outlet	dB(A)	54	68	70	74	75	76	71	65	81
Surrounding	dB(A)	33	36	44	60	50	47	48	40	61

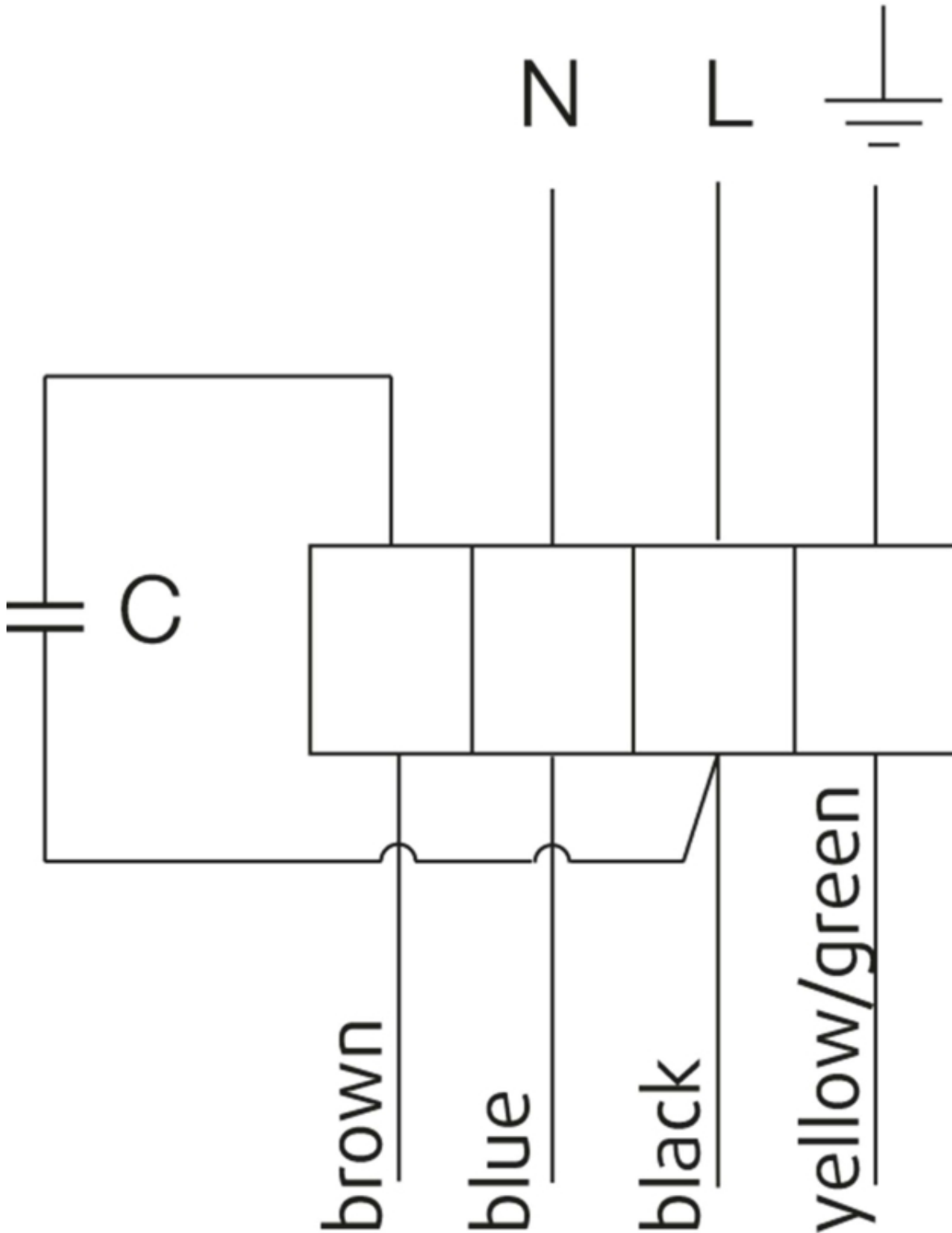
Dimensions



	øA	B	øC	D	D/2
KD 315 L	353	205	313	305	152,5

Wiring

230V 1~



Accessories

Electric accessories

[RE 3 Speed control \(5001\)](#)
[REU 3 Speed control \(5005\)](#)
[REE 2 Speed control \(5316\)](#)
[REPT 6 Digital regulator \(5698\)](#)
[HR1 Room Humidistat IP21 \(5150\)](#)
[RT 0-30 Room Thermostat \(5151\)](#)
[T 120 Timer \(5165\)](#)
[CO2RT-R-D Transmitter \(6993\)](#)
[Presence detector/IR24-P \(6995\)](#)
[DTV500-OEM incl connection kit \(5044\)](#)
[REV-3POL/03 ON/OFF \(33978\)](#)
[FRQS-E-6A \(37419\)](#)
[FRQ5S-E-6A \(37421\)](#)
[Safety switch 2-pole grey \(210679\)](#)

Accessories

[CB 315-6,0 400V/2 Duct heater \(5374\)](#)
[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 \(9844\)](#)

Documentation



132780_Fans_Instructions_Outside_EU_A002.pdf (1 006,63kB)

Specification text

The Circular duct fan is reliable in operation and maintenance- free and has a backward-curved mixed flow impeller. In addition to that the fan achieves a high efficiency at low noise level. For an easy assembling the installation brackets are fixed to the fan. The provided standard connecting collar of the FK - mounting bracket assures an easy assembling and disassembling and avoids the transmission of vibration to the piping system. The assembling is possible in each fitting position. The actuation is carried out by a maintenance- free, speed- controlled external rotor motor. Through dropping the tension, the fans can be speed- controlled with the help of a stepless thyristor or a 5- step transformer. The fans have integral thermal contacts with reset device according to EN 60335-2-80 for protecting the engine. For annealing the engine is designed inside the air flow. Completely with the impeller in two levels the engine is statically and dynamically weighed heavy according DIN ISO 1940.