

RVK-EX 315D4

Description

- According ATEX 95
- Speed controllable
- Can be installed in any position
- Motorprotection over cold conductor

The RVK fans are designed for installation in ducts. The fans have backward curved blades and external rotor motors.

The RVK-EX 315D4 can be controlled by reducing voltage via 5-step controller in combination with the Systemair Standard tripping unit U-EK230E EX.

The RVK-EX 315D4 fan complies with the ATEX regulation. The fans could be used for zone 1 and zone 2; Field of application II, for gases of groups A and B, temperature class T1, T2 and T3. The casing is made from conducting plastic. The fans are certified under the no ZELM 03 ATEX 0198x.

Explosion proof version comply with EN 60079-0, EN 60079-7, EN 14986, EN 13463-1 and EN 13463-5. Improved safety in accordance with Ex e IIB T3.

NB. Motor protection device U-EK230E EX must always be connected.

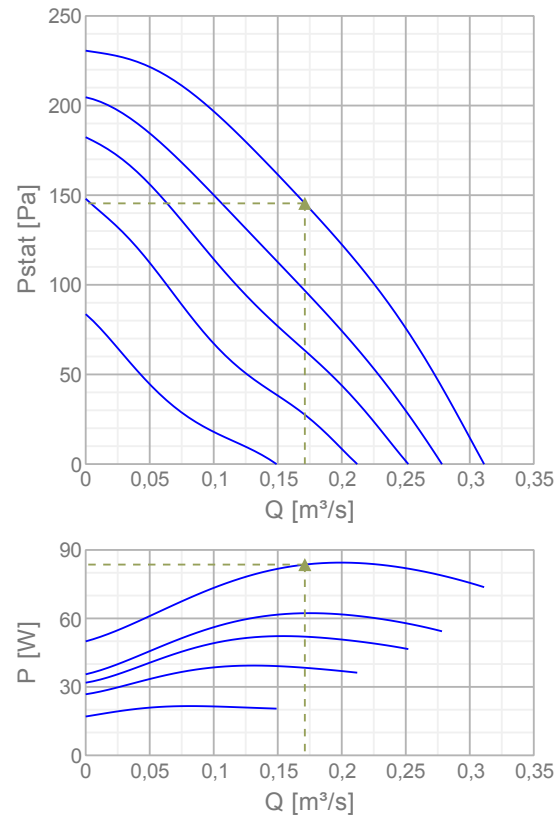


Technical parameters

Nominal data		
Frequency	50	Hz
Voltage	400	V
Phase	3	~
Input power (P1)	84,4	W
Current	0,2	A
Max. airflow	0,311	m³/s
R.p.m.	1385	r.p.m.
Weight	7	kg
Temperature data		
Temperature range, ambient and duct	-20-40	°C
Sound data		
Sound pressure level at 3 m	41,2	dB(A)
Protection / Classification		
Insulation class	B	
Enclosure class, motor	IP44	
Certificate	ZELM 03AREX0198X	
Explosion proof	II 2G c Ex e IIB T3	
Default group		
Max. temperature of transported air	40	°C
Max. temperature of transported air when speed-controlled	40	°C

Diagrams

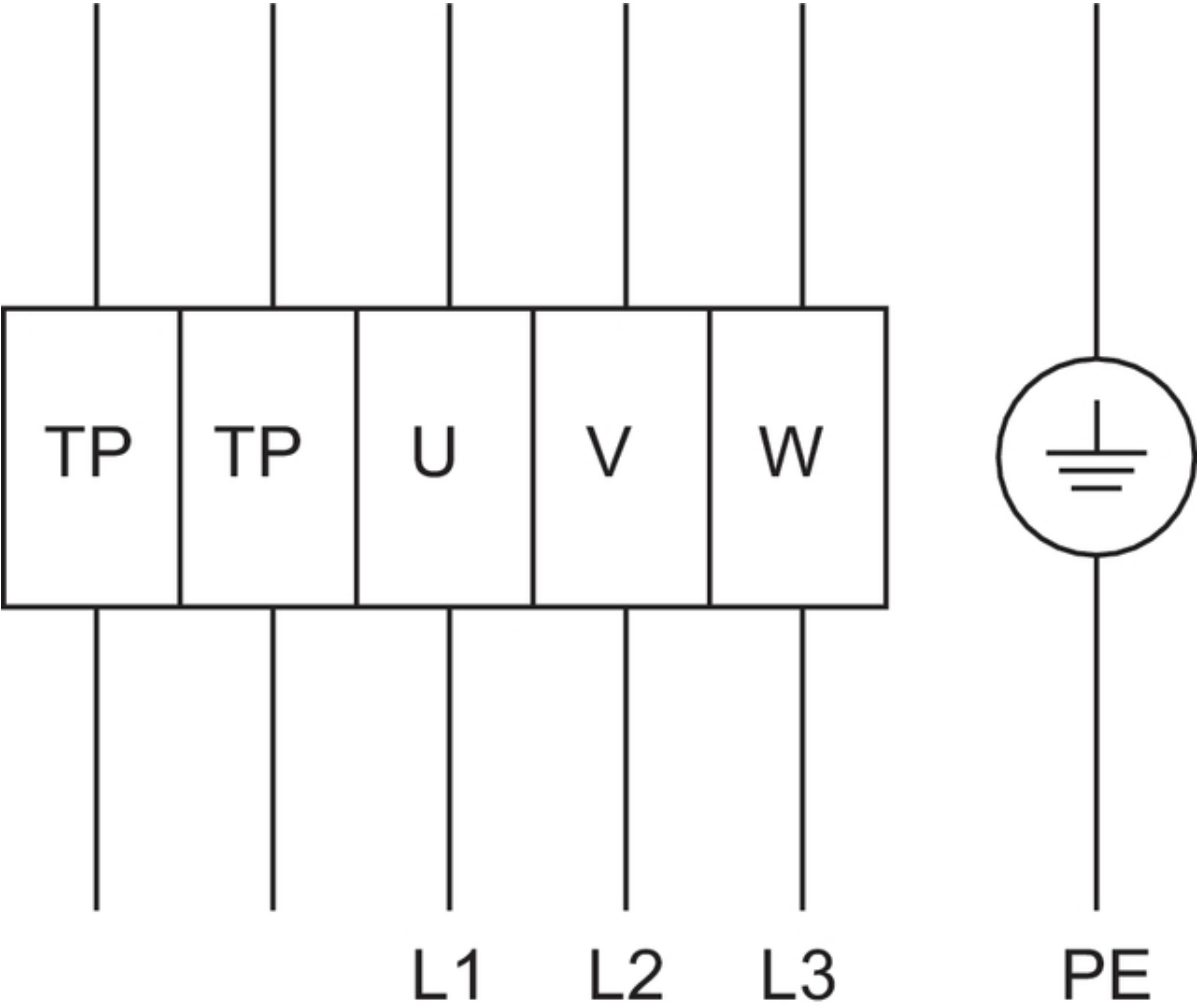
Diagrams



Max efficiency

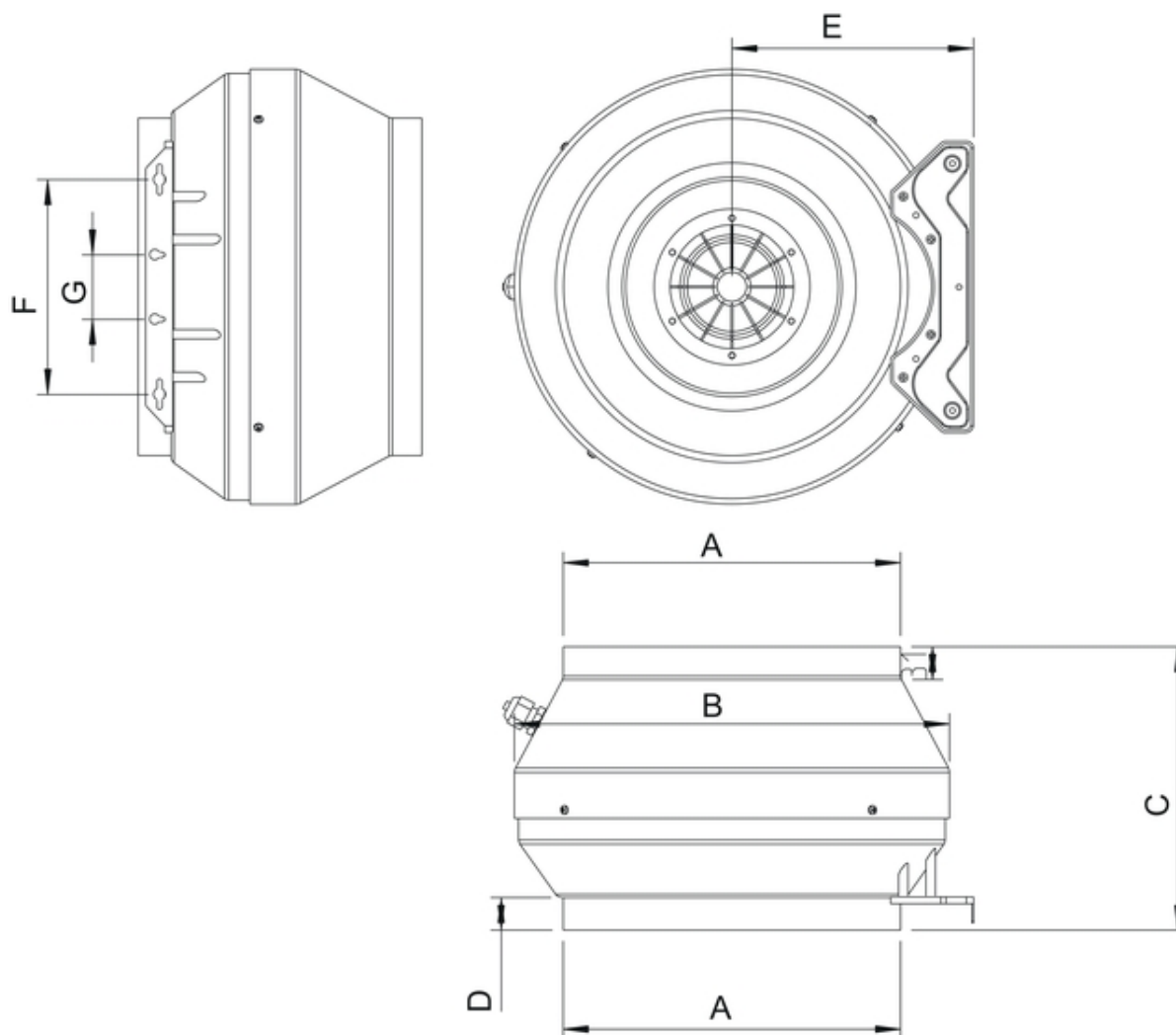
Hydraulic data										
▲ Working air flow		0,171 m³/s								
▲ Working static pressure		145 Pa								
▲ Power		83,6 W								
Speed		1386 r.p.m.								
Current		0,197 A								
SFP		0,488 W/(l/s)								
Voltage		400 V								
Sound power level		63	125	250	500	1k	2k	4k	8k	Tot
Inlet	dB(A)	44	61	62	61	58	55	54	44	67
Outlet	dB(A)	49	61	62	60	60	57	55	45	68
Surrounding	dB(A)	18	27	36	44	44	39	34	25	48

Wiring



U	braun	brown	brun
V	blau oder grau	blue or grey	bleu or gris
W	schwarz	black	noir
TP	weiß	white	blanc

Dimensions



	øA	øB	C	D	E	F	G
RVK-EX 315	314	405	264	30,5	225	200	60

Accessories

Electric accessories

[RTRD 2 Speed Cont. Systemair \(5941\)](#)

[U-EK230E EX Motorprotec. \(30199\)](#)

[R-DK4 KT Transformer \(302568\) \(6051\)](#)

[REV-3POL ATEX 11kW-25A ON/OFF \(36414\)](#)

Accessories

[FK 315 Fast clamp \(1613\)](#)

[SG 315 Protection guard \(5611\)](#)

Documentation

 [imo_ATEX_171009_de,en,se,ru,pl_005_312435_web.pdf \(6,09MB\)](#)

 [Certificate_ATEX_RVK-EX 315D4_\(ZELM03ATEX0198X\) 2. Supplement.pdf \(565,82kB\)](#)

 [Certificate_ATEX_RVK315Y4_\(ZELM03ATEX0198X\) 1. Supplement.pdf \(364,07kB\)](#)

 [Certificate ATEX RVK315Y4 \(ZELM03ATEX0198X\).pdf \(2,06MB\)](#)

 [ec-dec_atex_171114_de,en,se,ru,pl_006_314830.pdf \(2,47MB\)](#)

Specification text

The box is made out of conductive plastics. The fan has a backward- curved radial impeller made out of powder- coated steel plate. The actuation is carried out by an explosion- proofed, speed- controllable external rotor motor with PTC. For annealing the motor is situated inside the air flow. Motor completely with impeller statically and dynamically weigh heavy according to DIN ISO 1940. Tested according to ATEX- Guideline 94-9-EG. For the extraction of potentially explosive atmosphere of zone 1, category 2G and zone 2, category 3G. The fans are in zone 1, 2 and for the temperature levels T1, T2 and T3 applicable. Field of application II, for gases of groups A and B. The explosion group is "e" elevated safety Eexe II, T3. Appurtenances for the Ex- fan is available on enquiry. ATEX- approval number SP03 ATEX 3101x.