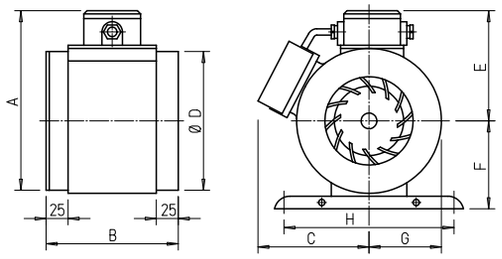
RRK 180 Ex / RRK 200 Ex / RRK 250 Ex



Dimensions RRK 180 Ex / RRK 200 Ex / RRK 250 Ex



Dim. in mm

Type	RRK 180 Ex	RRK 200 Ex	RRK 250 Ex
A	231	278	304
B	164	267	205
C	160	195	210
D	Ø 178	Ø 198 [1]	Ø 248
E	142	179	180
F	120	140	160
G	92	115	128
H	275	299	311

[1] via reducers connected on the inlet and outlet side.

For the delivery of small volume flows for the ventilation of rooms and workspaces in commercial and industrial buildings where the occasional occurrence of potentially explosive atmospheres can be expected. Suitable for installation in the pipeline.
Approved for operation in zones 1 and 2 according to DIN EN 60079-10. Especially suitable for the ventilation of chemical and pharmaceutical laboratories, storerooms, workshops, dyeing facilities, battery rooms, etc.

Special features

- ☐ EC type-examination certificate provided according to Directive 2014/34/EU (ATEX).
- ☐ Explosion protection, increased safety according to DIN EN 60079-0, 60079-7, 1127-1, 14986.
- ☐ Operating voltage Alternating current ~230 V, 50 Hz.
- ☐ Preferably for direct installation in the pipeline. Cross-section reduction possible. See diagram RRK 180 Ex for perform. loss.
- ☐ Low space requirement and installation costs due to linear throughflow.
- ☐ Installation poss. in any position.

Description

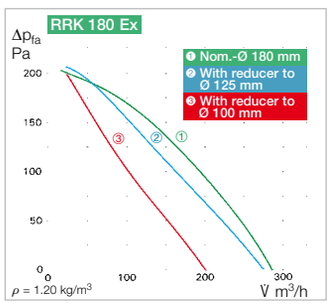
Casing and impeller
Made of high-quality, break-resistant and antistatic plastic. Surface resistance lower than $10^9\Omega$.

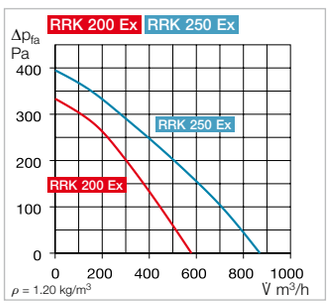
Motor
Closed design (IP54) for continuous operation. Ball bearing mounted, with moisture protection, maintenance-free.

Electrical connection
Terminal box made of plastic, IP54, explosion-tested, on outside of duct casing.

Installation
In any position. For supply and extract ventilation through corresponding installation.

Installation information
The regulations DIN EN 60079-10 shall apply. According to this, overload protection must be provided for each fan by a motor protection circuit breaker, which must be triggered within the heating time specified in the test certificate in case of a short circuit.
Fans must be protected by a protection grille or shutter against foreign bodies larger than 12 mm getting sucked in or falling in.
Approved operating mode according to DIN EN 60034-1/ VDE 0530 = S1 (continuous operation). Speed control is not permitted.





Accessories for RRK 180 Ex

Reducer

RZ 180/125	Ref. no. 05876
RZ 180/100	Ref. no. 05877

Accessories for all types

Mounting bracket

MK 4	Ref. no. 05824

Flexible connecting sleeve
For installation between fan and duct system.

FM 180 Ex	Ref. no. 01685
FM 200 Ex	Ref. no. 01686
FM 250 Ex	Ref. no. 01688

Protection grille

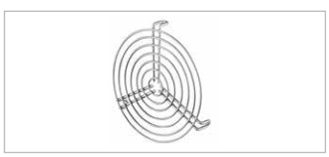
SGR 180 Ex	Ref. no. 05051
SGR 200 Ex	Ref. no. 05049
SGR 250 Ex	Ref. no. 05052

Duct shutter

RSK 180	Ref. no. 05662
RSK 200	Ref. no. 05074
RSK 250	Ref. no. 05673









Type	Ref. no.	Impeller Ø	Flow rate free blowing	Rated speed	Sound power L_{WA}	Sound press. at 1 m	Power consum.	Current consum.	Wiring diagram	Max. air flow temp.	Weight net approx.
		mm	V̇ m³/h	min⁻¹	dB (A)	dB (A)	W	A	No.	+°C	kg
Explosion-proof, II 2G Ex eb h IIB + H_2 T3 Gb, Alternating current 230 V, 50 Hz, Protection category IP54											
RRK 180 Ex[1]	05889	170	310	2780	66	58	50	0.25	453	50	3.0
RRK 200 Ex	05890	215	560	2860	64	56	200	0.92	453	50	5.5
RRK 250 Ex	05891	240	870	2860	77	69	300	1.40	453	50	7.0

[1] Temperature class T4.

Other accessories

	Page
Filters and silencers	483 ff.
Flexible ventilation ducts, ventilation grilles, fittings and roof outlets	563 ff.
Disc valves	584 ff.

Reference

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Explosion protection	
– Zoning	18
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