

RR 315



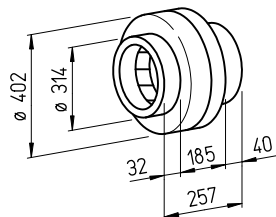
Market-leading unit series with favourable price/performance ratio.

RRK 315



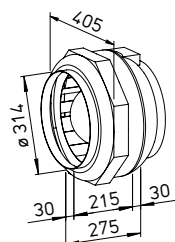
Alternative in corrosion-resistant and impact-resistant plastic casing.

Dimensions RR 315



Dim. in mm

Dimensions RRK 315



Dim. in mm

For the delivery of medium and small air volumes against high resistances.

Specifically designed for direct insertion in duct systems. High pressure performance for overcoming friction losses, deflection losses and aggregate resistances. For various applications in commercial, industrial and residential areas.

■ Special features

- ☐ Low space requirement and installation costs due to linear throughflow.
- ☐ No need for elaborate deflectors.
- ☐ Connectors on inlet and outlet side correspond to standard duct Ø.
- ☐ Performance adjustment through 100% speed control.
- ☐ Can be used in any position.
- ☐ Wide range of accessories.
- ☐ Aerodynamically optimised casing design.

Common features

■ Motor

Enclosed, ball bearing mounted external rotor motor with humidity protection, insulation class F, for continuous operation and maintenance-free.

■ Motor protection

Through built-in thermal contacts wired in series to the winding, automatic deactivation and reactivation after cooling.

Description RR

■ Casing

Made of galvanised steel sheet, robust for harsh operating conditions. Inlet and outlet side connection dimensions correspond to standard duct Ø.

■ Power control

From 0 – 100 % possible using electronic controller or step transformer (see table).

■ Electrical connection

Terminal box (IP54) on outside of casing.

■ Impeller

Centrifugal, with backward curved blades made of plastic. Directly pressed on motor and dynamically balanced as a unit. Low-noise, high level of efficiency.

■ Protection category

Protection category IP44 through inlet and outlet-side installation in a duct system which prevents the ingress of rainwater.

Description RRK

■ Casing

All components made of corrosion-resistant and impact-resistant plastic. Six built-in guide blades additionally increase the level of efficiency. Colour: Silver-grey.

■ Electrical connection

Terminal box (IP44) on outside of casing.

■ Power control

From 0 – 100 % possible using electronic controller or step transformer (see table).

■ Impeller

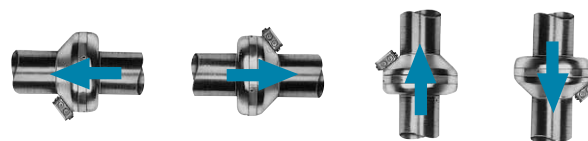
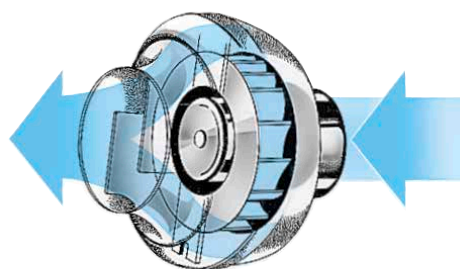
Centrifugal, with backward curved blades made of steel sheet. Directly pressed on motor and dynamically balanced as a unit. Low-noise, high level of efficiency.

■ Protection category

IP44

■ Installation

No restrictions in any position (horizontal, vertical, diagonal) through corresponding installation for supply or extract ventilation. Installation in duct system, preferably away from the room to be ventilated for less noise.



■ Noise

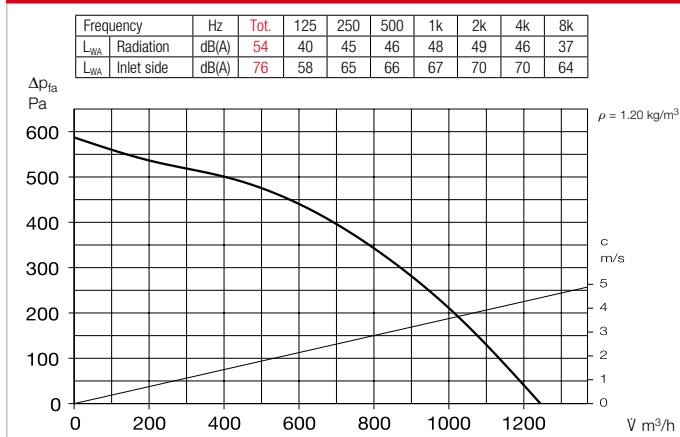
The total level and range are specified above the performance diagram for

- ☐ Case-radiated sound power
- ☐ Inlet/outlet side sound power in dB(A).
- ☐ The case-radiated noise and inlet/outlet side air noise as sound pressure at 1 m (free field conditions) are also specified in the type table.

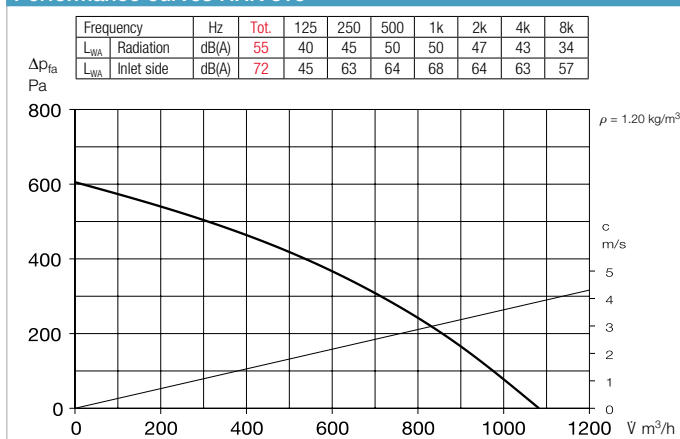
Type	Ref. no.	Flow rate	Rated speed	Sound press.	Power consum.	Power consump.		Wiring diagram	Max air flow temp.		Wgt net	Transformer speed controller 5-step		Electronic * Speed controller, cont. var. flush-mount. / surf-mount.	
		Free blowing		case radiation		at rated voltage	with control		at rated voltage	with control	aprx.	Type	Ref. no.	Type	Ref. no.
		Ṁ m³/h	min⁻¹	dB(A) in 1 m	W	A	A	No.	+ °C	+ °C	kg				
Type RR, Single-phase alternating current, 230 V, 50 Hz, Capacitor motor, IP44															
RR 315	05920	1260	2660	46	200	0.87	0.97	508	70	60	6.1	TSW 1.5	01495	ESU 3 / ESA 3	00237 / 00239
Type RRK, Single-phase alternating current, 230 V, 50 Hz, Capacitor motor, IP44															
RRK 315	05979	1080	2690	48	170	0.75	0.97	508	70	60	5.7	TSW 1.5	01495	ESU 3 / ESA 3	00237 / 00239

* Transformer control units must be provided in noise-relevant cases. Electronic phase angle control can cause disturbing magnetisation humming.

Performance curves RR 315



Performance curves RRK 315



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Other accessories

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Filter, heating elements and silencers	483 ff.
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Flexible ventilation ducts, ventilation grilles, fittings, roof outlets	563 ff.
Disc valves	584 ff.
Speed controllers, controllers and switches	601 ff.

Accessories

Pipe clamp connectors

BM 315 Ref. no. 05080
For structure-borne noise-free connection of fan and piping and for suspension (1 set = 2 pcs). Mount ventilation duct and fan connector at a distance and fold sleeve over during installation.

Mounting bracket for RR

MK 4 Ref. no. 05824

Mounting bracket for RRK

MK 3 Ref. no. 05823

Made of galvanised steel sheet.

External wall shutter

VK 315 Ref. no. 00760

Automatic made of plastic, light grey.

External wall cover grille

RAG 315 Ref. no. 00752

Made of plastic, light grey.

Protection grille

SGR 315 Ref. no. 05068

For inlet and outlet side installation. Made of galvanised steel.

Duct shutter

RSK 315 Ref. no. 05674

Automatic, made of metal.

Flexible cross talk silencer

FSD 315 Ref. no. 00681

Made of aluminium pipe with double-sided plug-in connectors. Sound insulation lining 50 mm thick, installation length 1 m.

Air filter box

LFBR 315 Coarse 70%* 08581

LFBR 315 ePM1 50%* 08535

Air filter with large surface area, for installation in pipeline.

Electric heating element

EHR-R 6/315 6.0 kWNo.08713

– with integrated temp. control

EHR-R 6/315 TR 6.0 kWNo.05301

Room or duct sensor (TFK/TFR, Accessories) required.

Temperature control system for electric heating element

EHR-R

EHS Ref. no. 05002

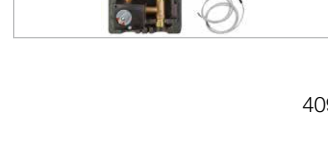
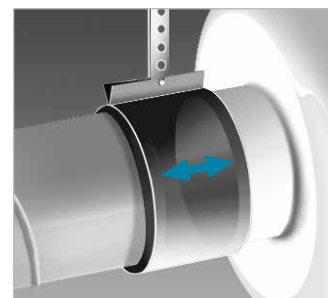
Warm water heating element

WHR 315 Ref. no. 09484

Compact heat exchanger for installation in duct system.

Temperature control system for warm water heating element

WHS HE Ref. no. 08319



* See product page 486 for detailed description.