

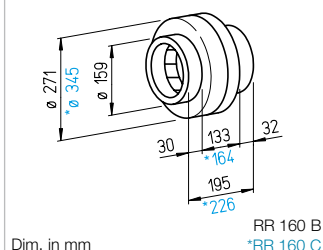
RR 160



Efficiency class

- C** RR 160 B + accessories*
B RR 160 C + accessories*

Dimensions RR 160



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

Specifically designed for direct in-
stallation in duct systems. High pres-
sure performance for overcoming
friction losses, deflection losses
and aggregate resistances.
For various applications in com-
mercial, industrial and residential
areas.

Special features

- ☐ Low space requirement and ins-
tallation 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

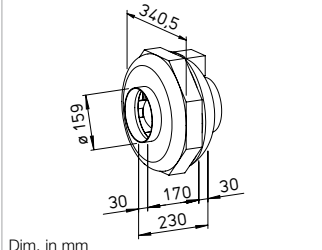
Enclosed, ball bearing mounted
external rotor motor with humid-
ity protection, insulation class F,
for continuous operation and
maintenance-free.

RRK 160



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

Dimensions RRK 160



Motor protection

Through built-in thermal con-
tacts wired in series to the wind-
ing, automatic deactivation and
reactivation after cooling.

Installation

No restrictions in any position
(horizontal, vertical, diagonal)
through corresponding installati-
on for supply or extract ventilati-
on (exception: SVR must not be
installed with the retractable mo-
tor-impeller unit upward). Instal-
lation in duct system, preferably
away from the room to be venti-
lated for less noise.

Noise

See page 400.

Description RR

Casing

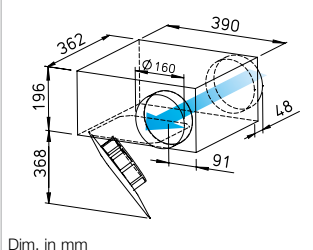
Made of galvanised steel sheet,
robust for harsh operating con-
ditions. Inlet and outlet side con-
nection dimensions correspond
to standard duct Ø.

SVR 160



SlimVent – Slimline space saver with retractable
motor-impeller unit.

Dimensions SVR 160



Power control

From 0 – 100 % possible using
electronic controller or step
transformer (see table) or two le-
vel operation with type DS 2/2
(accessories).

DS 2/2 Ref. no. 01267

Electrical connection

Terminal box (IP54) on outside
of casing.

Impeller

Centrifugal, with backward cur-
ved blades made of plastic. di-
rectly pressed on motor and dy-
namically balanced as a unit.
Low-noise, high level of efficiency.

Protection category

Protection category IP44
through inlet and outlet-side in-
stallation in a duct system which
prevents the ingress of rainwa-
ter.

Description RRK

Casing

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

Power control

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

Electrical connection

Terminal box (IP44) 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

IP44

Description SVR

Casing

Flat casing in compact design
made of galvanised steel sheet.
Connectors and lip seal on inlet
and outlet side for standard
duct Ø.

The retractable motor-impeller
unit allows inspection and clea-
ning without dismantling compo-
nents. The swivelling range must
be considered for the inspection
opening.

Power control

From 0 – 100 % possible using
electronic controller or step
transformer (see table) or two
level operation with type DS 2/2
(accessories).

DS 2/2 Ref. no. 01267

Electrical connection

Terminal box (IP54) mounted to
external cable.

Impeller

Energy-saving centrifugal impel-
ler with backward curved blades
made of high-quality plastic. Dy-
namically balanced for low-noise
operation.

Protection category

IP44 with connected duct sys-
tem.

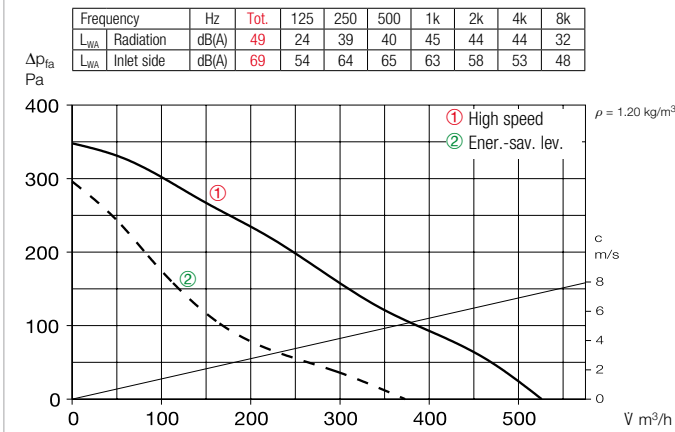
Type	Ref. no.	Flow rate	Rated speed	Sound press.	Power consum.	Power consump.		Wiring diagram	Max air flow temp.		Wgt net aprx.	Transformer speed controller 5-step		Electronic ³⁾ Speed controller, cont. var. flush-mount. / surf-mount.	
		Free blowing		case radiation		at rated voltage	with control		at rated voltage	with control		speed controller 5-step			
			Ṽ m³/h	min ⁻¹	dB(A) in 1 m	W	A	A	No.	+ °C	+ °C	kg	Type	Ref. no.	Type
Type RR, Single-phase alternating current, 230 V, 50 Hz, Capacitor motor, IP44															
RR 160 B ¹⁾	05656	530 ¹⁾ /370	2540 ¹⁾ /1695	42	62 ¹⁾ /40	0.27 ¹⁾ /0.18	0.27	934.1	60	60	3.2	TSW 0.3	03608	ESU 1 / ESA 1	00236 / 00238
RR 160 C ¹⁾	05657	870 ¹⁾ /610	2480 ¹⁾ /1580	49	101 ¹⁾ /64	0.44 ¹⁾ /0.28	0.44	934.1	65	65	4.3	TSW 1.5	01495	ESU 1 / ESA 1	00236 / 00238
Type RRK, Single-phase alternating current, 230 V, 50 Hz, Capacitor motor, IP44															
RRK 160	05976	500	2380	32	53	0.24	0.24	508	70	60	2.7	TSW 0.3	03608	ESU 1 / ESA 1	00236 / 00238
Type SVR, Single-phase alternating current, 230 V, 50 Hz, Capacitor motor, IP33															
SVR 160 K ²⁾	02672	450/310 ²⁾	2550/1740 ²⁾	45/37 ²⁾	61/42 ²⁾	0.26/0.19 ²⁾	0.25	934.1	60	60	6.7	TSW 1.5	01495	ESU 1 / ESA 1	00236 / 00238

¹⁾ Type with high speed; with additional energy-saving level as standard (see performance diagram). ²⁾ Values refer to the two performance levels (see performance diagram).

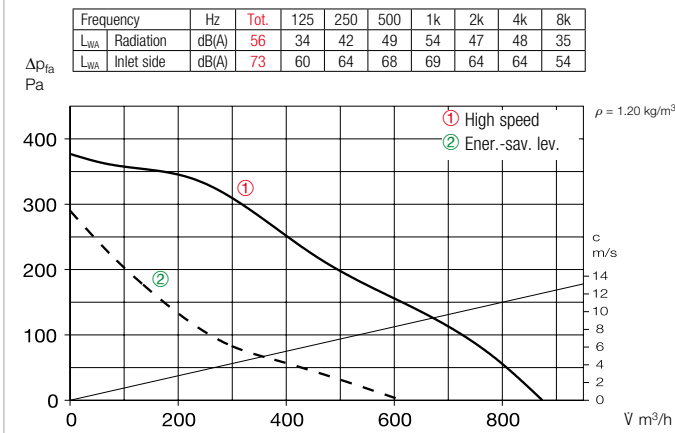
³⁾ Transformer control units must be provided in noise-relevant cases. Electronic phase angle control can cause disturbing magnetisation humming.

* See ErP product data sheet at www.HeliosSelect.de.

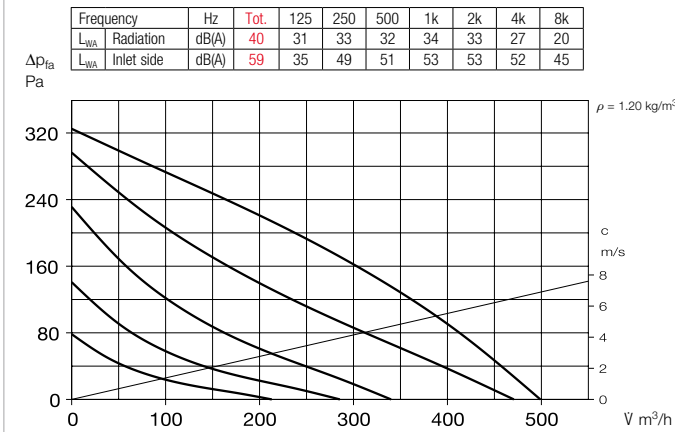
Performance curves RR 160 B



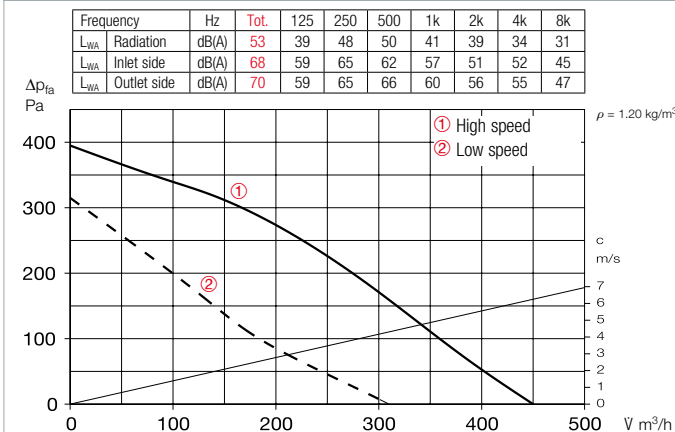
Performance curves RR 160 C



Performance curves RRK 160



Performance curves SVR 160 K



Accessories

Pipe clamp connectors

BM 160 Ref. no. 05077
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 2 Ref. no. 05822

Made of galvanised steel sheet.

External wall shutter

VK 160 Ref. no. 00892

Automatic made of plastic, white.

External wall cover grille

G 160 Ref. no. 00893

Made of plastic, white.

Protection grille

SGR 160 Ref. no. 05069

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

Duct shutter

RSK 160 Ref. no. 05669

Automatic, made of metal.

Flexible cross talk silencer

FSD 160 Ref. no. 00678

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

Air filter box

LFBR 160 Coarse 70%* 08578

LFBR 160 ePM1 50%* 08532

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

Electric heating element

EHR-R 1.2/160 1.2 kW No. 09434

EHR-R 2.4/160 2.4 kW No. 09435

EHR-R 5/160 5.0 kW No. 08710

– with integrated temp. control

EHR-R 2.4/160 TR 2.4 kW No. 05294

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 160 Ref. no. 09481

Compact heat exchanger for installation in duct system.

Temperature control system for warm water heating element

WHST 300 T38 Ref. no. 08817

