

**For medium to smaller air flow volumes against high resistances.** Specially designed to be installed in-line in circular ducting. High pressure characteristic to overcome resistances of bends, filters etc.  
Universal in application for domestic, commercial and industrial purposes.

■ **Special features**

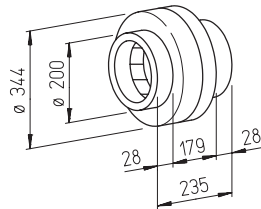
- Compact design to minimise space and cost using in-line installation.
- Intake and exhaust spigot fit into standard duct sizes.
- 100% speed controllable to achieve any required duty.
- Installation in any position.
- Extensive accessory range.
- Optimised aerodynamic casing design.

■ **Features of all models**

- **Motor** Low noise external rotor motor with ball bearings, impregnated windings insulation class B, designed for continuous operation, maintenance free and radio suppressed.
- **Speed control** Stepless 0 – 100 % by use of electronic controller or 5 stepped by low noise transformer.
- **Installation** Installation in any position without restriction:
  - horizontally, vertically or pitched
  - suitable for intake or extract.
 To keep sound levels inside the ventilated rooms as low as possible we recommend the fan is installed as remote as possible.

**Models RR**

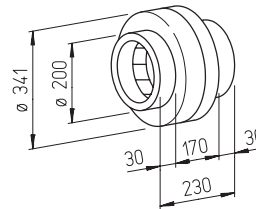
Market leading range offering an excellent value for money.



Dimensions in mm

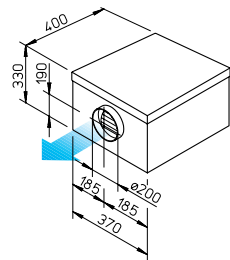
**Models RRK**

Alternative version made from impact resistant polymers.



Dimensions in mm

**SilentBox® SB** Virtually noise free fan, with high air flow and pressure. Ideal for cleaning and maintenance.



■ **Specification RR**

- **Casing** Made from robust galvanised steel for harsh working conditions. Spigots on intake and exhaust fit standard ducts.
- **Electrical connection** Terminal box (IP 55) located on outer casing.
- **Impeller** Backward curved centrifugal impeller made from polymers (model RR 200 B made from galvanised steel). Directly fitted on motor and dynamically balanced as a unit providing low sound levels and high efficiency.
- **Motor protection** Motors have thermal contacts wired in series with the windings which automatically reset.
- **Protection class** When installed in ducting the fan is rated IP 44.

■ **Specification RRK**

- **Casing** All components are made from corrosion and impact resistant polymers. Six guide vanes increase the fan's efficiency. Colour: Helios-red.
- **Electrical connection** Terminal box (IP 55) located on outer casing.
- **Impeller** Backward curved centrifugal impeller made from polymers. Directly fitted on motor and dynamically balanced as a unit providing low sound levels and high efficiency.
- **Motor protection** Motors have thermal contacts wired in series with the windings which automatically reset.
- **Protection** Splashproof to IP 44.

■ **Specification SilentBox®**

- **Casing** Like an internal attenuator. Acoustically lined with abrasive resistant 50 mm thick mineral fibreboard. Four quick release clasps permit easy access to motor scroll and impeller set. Pull out motor and impeller. Spigots on intake and exhaust with twin-seal rubber gaskets fit into standard ducts. All parts manufactured from galvanised sheet steel.
- **Electrical connection** Terminal box (IP 55) is supplied with a 60 cm long electric cable.
- **Impeller** Low noise forward curved centrifugal impeller, housed within an aerodynamically shaped scroll made from galvanised steel. Bell mouth shaped inlet ring to achieve optimum air flow.
- **Motor protection** Motors have thermal contacts wired in series with the windings. To reset the thermal contacts the main supply must be switched off.
- **Protection** IP 44

**NEW!**

Technical information	Type	RR 200 A	RR 200 B	RRK 200	SilentBox® SB 200 C
Ref. No.		5658	5659	5977	9510
Connection spigot ø mm		200	200	200	200
Air flow volume (FID) in m <sup>3</sup> /h		820	960	780	680
R.P.M.		2580	2500	2550	1800
Sound pressure level at 1 m					
– Case breakout dB(A)		50	52	56	38
– Air noise on intake dB(A)		65	66	66	51
Voltage: Volt/50 Hz		230 V / 1 ph.	230 V / 1 ph.	230 V / 1 ph.	230 V / 1 ph.
Power Watts		115	158	125	188
Current Amps		0.5	0.69	0.52	0.83
Nominal weight in kg		4.6	5.0	3.6	15
Maximum air flow temperature °C		60	60	45	55
Wiring diagram No.		SS-508	SS-508	SS-508	SS-508

**RR 200 A**

Frequency	Hz	Total	125	250	500	1k	2k	4k	8k	
L <sub>WA</sub> Case breakout		dB(A)	57	35	41	50	53	50	47	39
L <sub>WA</sub> Intake		dB(A)	72	50	68	67	66	65	58	51

**RR 200 B**

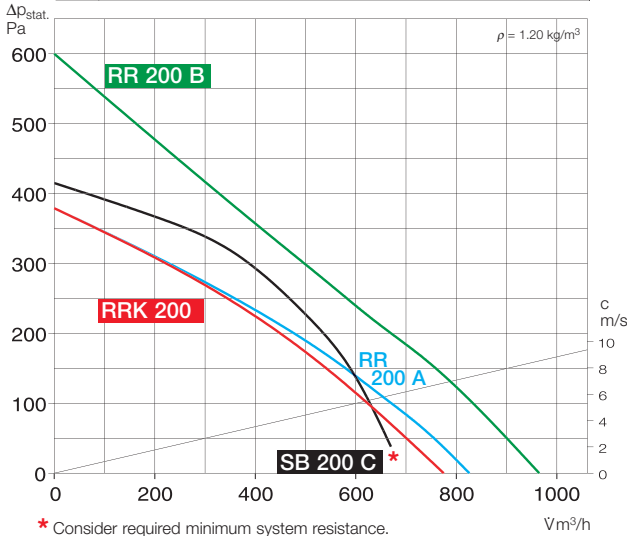
Frequency	Hz	Total	125	250	500	1k	2k	4k	8k	
L <sub>WA</sub> Case breakout		dB(A)	59	36	44	52	55	52	49	49
L <sub>WA</sub> Intake		dB(A)	73	62	69	67	66	66	63	59

**RRK 200**

Frequency	Hz	Total	125	250	500	1k	2k	4k	8k	
L <sub>WA</sub> Case breakout		dB(A)	63	42	47	57	58	57	51	38
L <sub>WA</sub> Intake		dB(A)	73	51	64	71	69	65	62	54

**SB 200 C**

Frequency	Hz	Total	125	250	500	1k	2k	4k	8k	
L <sub>WA</sub> Case breakout		dB(A)	45	42	39	40	34	32	30	27
L <sub>WA</sub> Intake		dB(A)	58	53	51	50	46	47	41	34
L <sub>WA</sub> Exhaust		dB(A)	67	60	62	57	59	59	55	47



**Sound levels**

Total sound power levels and the spectrum figures in dB(A) are given for

- case breakout
- intake and exhaust

in the tables above the performance curves. In addition the case breakout figure is given as a sound pressure level at 1 metre (freefield conditions) in the technical data table (see facing page).

Note: For silentbox the sound level on intake is lower than on exhaust.

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Modular comp. system	150

**Information for ducting systems**

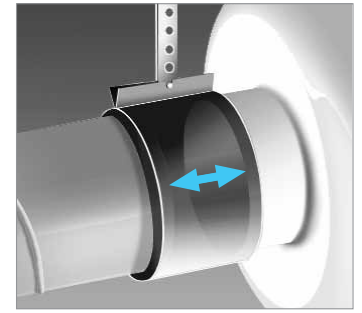
All Helios components fit standard nominal duct diameters. The ducting used may be rigid or flexible and made from aluminium, galvanised steel or plastic. Observe fire protection regulations where applicable.

Other accessories	Pages
Filters and heater batteries	211-220
Flexible ducting, guards, duct components and roof outlets	245-256
Valves	257-263
Speed controllers and switches	275-290

**Accessories for RR and RRK**

**Pipe clamp connectors**

**BM 200** Ref. No. 5078  
A quick-fix method for connecting fans to ducting, reducing vibration transmission. When installing leave a little gap between fan and ducting. Supplied in pairs.



**Mounting feet for RR**

**MK 4** Ref. No. 5824

**Mounting feet for RRK**

**MK 2** Ref. No. 5822

To fix fan on wall, floor or ceiling; made from galvanised steel.



**Accessories for all models**

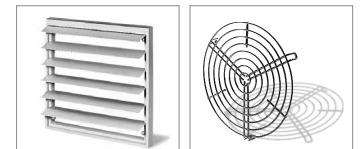
**Backdraught shutter**

**RSK 200** Ref. No. 5074  
Air stream operated, metal.



**Gravity shutter**

**VK 200** Ref. No. 0758  
Air stream operated, polymer, light-grey.



**Rain repellent grille**

**RAG 200** Ref. No. 0750  
From polymers, light-grey.



**Guard for spigot connection**

**SGR 200** Ref. No. 5066  
For intake and exhaust installation on fan, made from galvanised steel.



**Flexible attenuator**

**FSD 200** Ref. No. 0679  
Spigotted aluminium attenuator with 50 mm insulation. Length: 1 m.



**Spigotted attenuators**

**SRSD 200/...** see page 219  
Spigotted attenuator with 50 mm insulation. Available in four lengths: 300/600/900/1200 mm.



**In-line air filter box**

**LFBR 200** Ref. No. 8579  
Air filter with big cross sectional area to be installed in-line with ducting. Spigots incorporate twin-seal rubber sealings to fit standard size ducting.



**Electric heater battery**

**EHR-R 5/200** Ref. No. 8711  
In duct casing made from galvanised sheet steel, for in-line installation.



**Water heater battery – LPHW**

**WHR 200** Ref. No. 9482  
Compact unit for in-line installation.



**Transformer speed controller**

**TSW 1.5** Ref. No. 1495

**Electronic speed controller**

**ESA 1** Ref. No. 0238