

R5 RA 0200-0360 A

Oil-lubricated rotary vane vacuum pumps



Discover all advantages of
the product series R5 RA

Efficient

Up to 20% more energy-efficient than comparable rotary vane vacuum pumps, low operating costs, high uptime, reduced heat emission

Reliable

Designed for continuous operation in the rough vacuum range, robust construction, highly resilient carbon fiber vanes, proven performance

Easy servicing

50% less spare parts, all service-relevant parts on one side, service routine significantly faster, smooth surface design for easy cleaning

Accessories

- Shutter plate for colder operating temperature
- Horizontal inlet
- Adapter flanges
- Various inlet filters
- Filter pressure gauge
- Larger gas-ballast valve
- Solenoid on-off valve for gas-ballast
- G 2" exhaust connection flange
- Liquid heat exchanger
- Vacuum pump oils for all applications
- Oil level switch
- Temperature sensors
- Pressure sensors
- IoT kit
- ECOTORQUE Variable speed drive

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Dimensional drawing

Pumping speed

Air at 20 °C. Tolerance: ± 10%

The following technical values refer to ISO 50 Hz

	R5 RA 0200 A	R5 RA 0240 A	RA 0360 A
Nominal pumping speed	160 m³/h	200 m³/h	300 m³/h
Ultimate pressure (Gas-ballast valve closed)	0.1 hPa (mbar)	0.1 hPa (mbar)	0.1 hPa (mbar)
Ultimate pressure (Gas-ballast valve open)	1.5 hPa (mbar)	1.5 hPa (mbar)	1.5 hPa (mbar)
Nominal motor rating	4.0 kW	5.5 kW	7.5 kW
Nominal motor speed	1500 min ⁻¹	1500 min ⁻¹	1500 min ⁻¹
Ambient temperature	5 ... 40 °C	5 ... 40 °C	5 ... 40 °C
Power consumption at 100 mbar	3.1 kW	3.5 kW	5.1 kW
Power consumption at ultimate pressure	2.1 kW	2.2 kW	2.7 kW
Sound pressure level (ISO 2151), KpA = 3 dB	69 dB(A)	70 dB(A)	70 dB(A)
Oil capacity	7 l	7 l	7 l
Weight approx.	200 kg	200 kg	250 kg
Dimensions (L x W x H)	960 x 540 x 430 mm	960 x 540 x 430 mm	1070 x 540 x 430 mm
Gas inlet	G 2"	G 2"	G 2"
Gas outlet	G 2"	G 2"	G 2"

The following technical values refer to ISO 60 Hz

	R5 RA 0200 A	R5 RA 0240 A	RA 0360 A
Nominal pumping speed	190 m³/h	240 m³/h	360 m³/h
Ultimate pressure (Gas-ballast valve closed)	0.1 hPa (mbar)	0.1 hPa (mbar)	0.1 hPa (mbar)
Ultimate pressure (Gas-ballast valve open)	1.5 hPa (mbar)	1.5 hPa (mbar)	1.5 hPa (mbar)
Nominal motor rating	4.8 kW	6.6 kW	9.2 kW
Nominal motor speed	1800 min ⁻¹	1800 min ⁻¹	1800 min ⁻¹

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	R5 RA 0200 A	R5 RA 0240 A	RA 0360 A
Ambient temperature	5 ... 40 °C	5 ... 40 °C	5 ... 40 °C
Power consumption at 100 mbar	3.9 kW	4.3 kW	6.4 kW
Power consumption at ultimate pressure	2.6 kW	2.7 kW	3.4 kW
Sound pressure level (ISO 2151), KpA = 3 dB	72 dB(A)	74 dB(A)	74 dB(A)
Oil capacity	7 l	7 l	7 l
Weight approx.	200 kg	200 kg	250 kg
Dimensions (L x W x H)	960 x 540 x 430 mm	960 x 540 x 430 mm	1070 x 540 x 430 mm
Gas inlet	G 2"	G 2"	G 2"
Gas outlet	G 2"	G 2"	G 2"

Do you want to know more

Please contact us!
busch@busch.com.my or +60 (0)3 55 25 95 00



Contact form



Call us now