

# R5 RA 1000/1600 B

Oil-lubricated rotary vane vacuum pumps



**VACUUM SOLUTIONS**

Part of the **BUSCH** GROUP



## Reliable

Robust construction, highly resilient carbon fiber vanes, proven rotary vane technology, long service life

## High performance

High pumping speed at low pressures, designed for continuous operation

## Flexible

Various design options available, easy adaption to individual customer requirements and processes, level and temperature switch as standard

Accessories, spare parts and options

- IEC (IE3) and NEMA motors
- Multi-voltage, multi-frequency motors (IE3)
- Optional variable speed drive
- Single or double gas-ballast valve, manual or solenoid operation
- Various inlet filters
- Inlet filter pressure gauge
- Various temperature and pressure gauges
- Starter units
- Oil mist separator
- Energy recuperation kit with heat exchanger
- Vacuum pump oils for all applications

# R5 RA 1000/1600 B

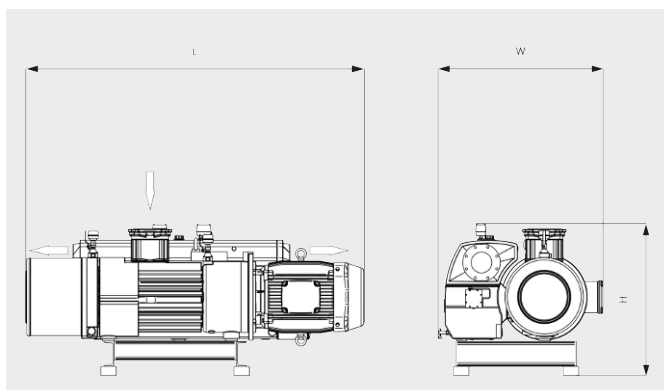
Oil-lubricated rotary vane vacuum pumps



**VACUUM SOLUTIONS**

Part of the **BUSCH** GROUP

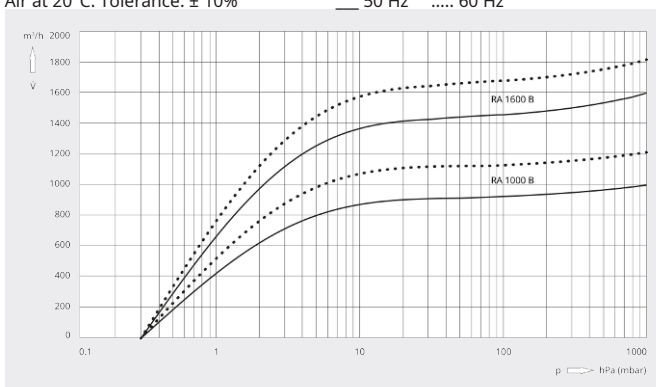
Dimensional drawing



Pumping speed

Air at 20°C. Tolerance:  $\pm 10\%$

— 50 Hz ..... 60 Hz



|                                             | R5 RA 1000 B                   | R5 RA 1600 B                   |
|---------------------------------------------|--------------------------------|--------------------------------|
| Nominal pumping speed                       | 1000 / 1200 m³/h (50 / 60 Hz)  | 1600 / 1800 m³/h (50 / 60 Hz)  |
| Ultimate pressure                           | 0.3 hPa (mbar) (50 / 60 Hz)    | 0.3 hPa (mbar) (50 / 60 Hz)    |
| Nominal motor rating                        | 22.0 / 30.0 kW (50 / 60 Hz)    | 30.0 / 37.0 kW (50 / 60 Hz)    |
| Nominal motor speed                         | 1000 / 1200 min⁻¹ (50 / 60 Hz) | 1000 / 1200 min⁻¹ (50 / 60 Hz) |
| Power consumption at 100 mbar               | 17.3 / 22.4 kW (50 / 60 Hz)    | 26.8 / 33.0 kW (50 / 60 Hz)    |
| Power consumption at ultimate pressure      | 9.3 / 12.1 kW (50 / 60 Hz)     | 13.8 / 17.9 kW (50 / 60 Hz)    |
| Sound pressure level (ISO 2151), KpA = 3 dB | 82 dB(A) (50 / 60 Hz)          | 83 dB(A) (50 / 60 Hz)          |
| Oil capacity                                | 30 l                           | 30 l                           |
| Weight approx.                              | 1000 / 1060 kg                 | 1330 / 1350 kg                 |
| Dimensions (L x W x H)                      | 1894 x 1003 x 936 mm           | 2234 x 1040 x 936 mm           |
| Gas inlet / outlet                          | DN 150 / DN 125                | DN 150 / DN 125                |

## DO YOU WANT TO KNOW MORE?

Get in touch with us directly!

[sales@busch.com.sg](mailto:sales@busch.com.sg) or +65 (0)64 88 08 66



CONTACT FORM



CALL NOW