

# R5 RA 1000/1600 B

Oil-lubricated rotary vane vacuum pumps



**VACUUM SOLUTIONS**

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## 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

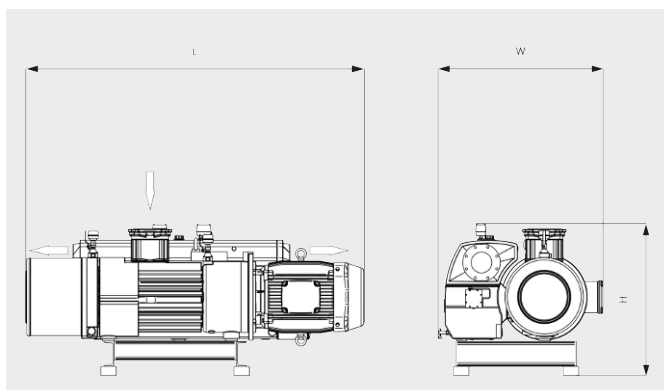
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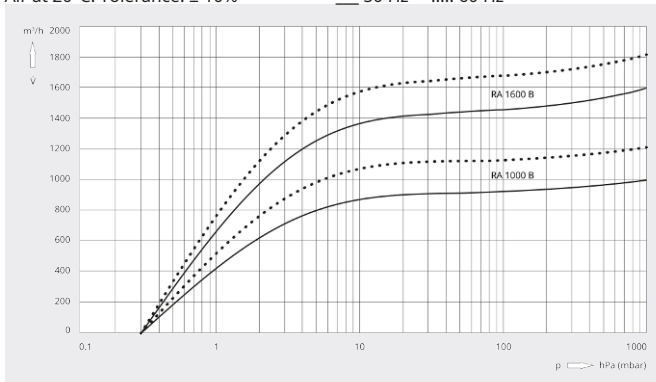
Dimensional drawing



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 <sup>-1</sup> (50 / 60 Hz) | 1000 / 1200 min <sup>-1</sup> (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!  
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