

# R5 RA 1000/1600 B

Oil-lubricated rotary vane vacuum pumps



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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

- IEC (IE3) and NEMA motors
- Multi-voltage, multi-frequency motors (IE3) for 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

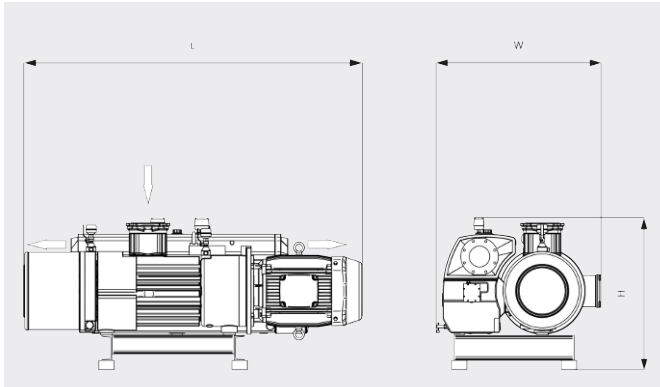
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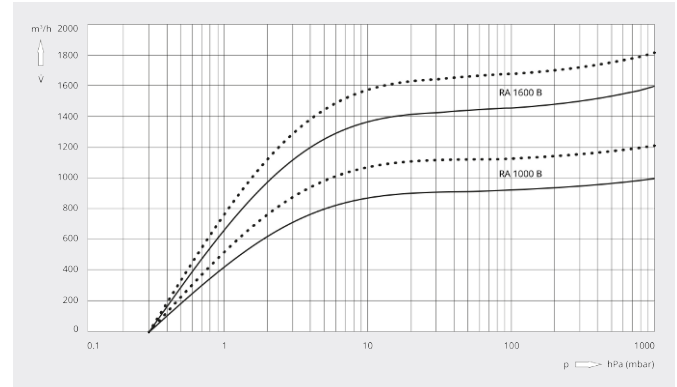
Dimensional drawing



Pumping speed

Air at 20°C. Tolerance: ± 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)
Noise level (ISO 2151)	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

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