

# R5 RA 0165-0305 D

Oil-lubricated rotary vane vacuum pumps



## 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 in the rough vacuum range

## Flexible

Various design options available, easy adaption to individual customer requirements and processes

### Accessories

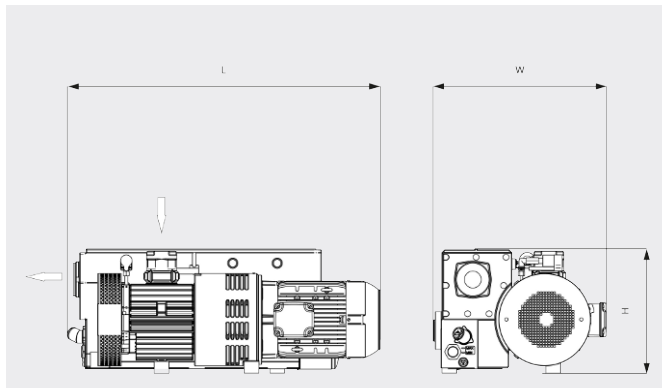
- Gas-ballast valve
- Various inlet filters
- Energy recuperation kit with heat exchanger
- Oil level switch
- Temperature sensors
- Filter pressure gauge
- Vacuum pump oils for all applications
- Vacuum regulating unit

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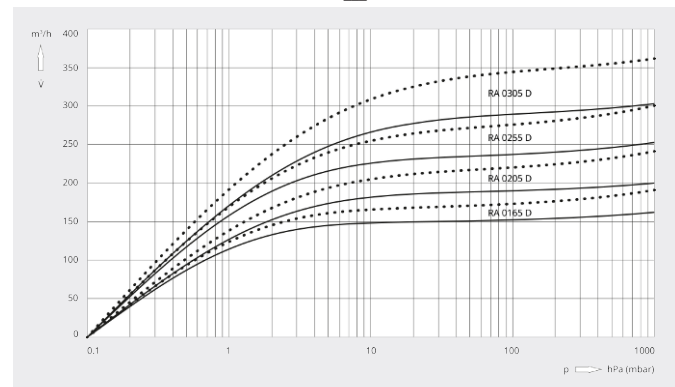
Dimensional drawing



Pumping speed

Air at 20°C. Tolerance:  $\pm 10\%$

— 50 Hz ..... 60 Hz



|                                                     | R5 RA 0165 D                               | R5 RA 0205 D                               | R5 RA 0255 D                               | R5 RA 0305 D                               |
|-----------------------------------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|
| <b>Nominal pumping speed</b>                        | 160 / 190 m³/h (50 / 60 Hz)                | 200 / 240 m³/h (50 / 60 Hz)                | 250 / 300 m³/h (50 / 60 Hz)                | 300 / 360 m³/h (50 / 60 Hz)                |
| <b>Ultimate pressure (gas-ballast valve closed)</b> | 0.1 hPa (mbar) (50 / 60 Hz)                | 0.1 hPa (mbar) (50 / 60 Hz)                | 0.1 hPa (mbar) (50 / 60 Hz)                | 0.1 hPa (mbar) (50 / 60 Hz)                |
| <b>Ultimate pressure (gas-ballast valve open)</b>   | 0.5 hPa (mbar) (50 / 60 Hz)                | 0.5 hPa (mbar) (50 / 60 Hz)                | 0.5 hPa (mbar) (50 / 60 Hz)                | 0.5 hPa (mbar) (50 / 60 Hz)                |
| <b>Nominal motor rating</b>                         | 5.5 / 6.6 kW (50 / 60 Hz)                  | 5.5 / 6.6 kW (50 / 60 Hz)                  | 7.5 / 9.2 kW (50 / 60 Hz)                  | 8.3 / 10.0 kW (50 / 60 Hz)                 |
| <b>Nominal motor speed</b>                          | 1500 / 1800 min <sup>-1</sup> (50 / 60 Hz) | 1500 / 1800 min <sup>-1</sup> (50 / 60 Hz) | 1500 / 1800 min <sup>-1</sup> (50 / 60 Hz) | 1500 / 1800 min <sup>-1</sup> (50 / 60 Hz) |
| <b>Power consumption at 100 mbar</b>                | 3.7 / 4.7 kW (50 / 60 Hz)                  | 4.2 / 5.2 kW (50 / 60 Hz)                  | 5.5 / 6.6 kW (50 / 60 Hz)                  | 6.1 / 7.2 kW (50 / 60 Hz)                  |
| <b>Power consumption at ultimate pressure</b>       | 2.4 / 2.9 kW (50 / 60 Hz)                  | 3.3 / 4.0 kW (50 / 60 Hz)                  | 4.1 / 4.5 kW (50 / 60 Hz)                  | 4.7 / 5.1 kW (50 / 60 Hz)                  |
| <b>Noise level (ISO 2151)</b>                       | 70 / 72 dB(A) (50 / 60 Hz)                 | 72 / 74 dB(A) (50 / 60 Hz)                 | 72 / 74 dB(A) (50 / 60 Hz)                 | 74 / 76 dB(A) (50 / 60 Hz)                 |
| <b>Oil capacity</b>                                 | 6.5 l                                      | 6.5 l                                      | 6.5 l                                      | 6.5 l                                      |
| <b>Weight approx.</b>                               | 160 kg                                     | 160 kg                                     | 195 kg                                     | 195 kg                                     |
| <b>Dimensions (L x W x H)</b>                       | 977 x 583 x 418 mm                         | 977 x 583 x 418 mm                         | 1056 x 583 x 418 mm                        | 1057 x 583 x 418 mm                        |
| <b>Gas inlet / outlet</b>                           | G 2" / G 2"                                | G 2" / G 2"                                | G 2" / G 2"                                | G 2" / G 2"                                |

## DO YOU WANT TO KNOW MORE?

Get in touch with us directly!

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