

# R5 RA 0165-0305 D

Oil-lubricated rotary vane vacuum pumps



VACUUM SOLUTIONS



## 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

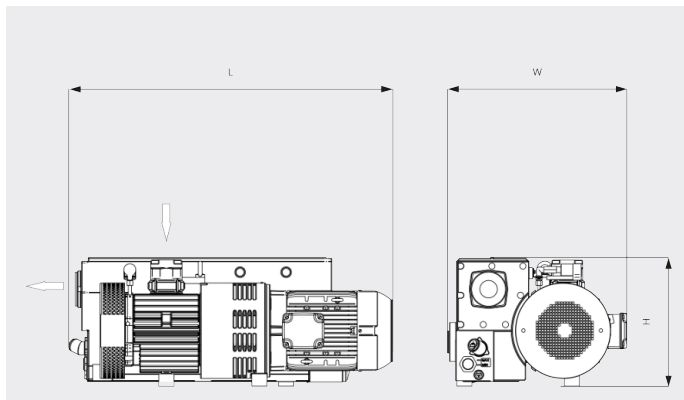
- Gas-ballast valve
- Various inlet filters
- Energy recuperation kit with heat exchanger
- Oil level switch
- Temperature sensors
- Filter pressure gauge
- Vacuum pump oils for all applications
- Vacuum regulating unit

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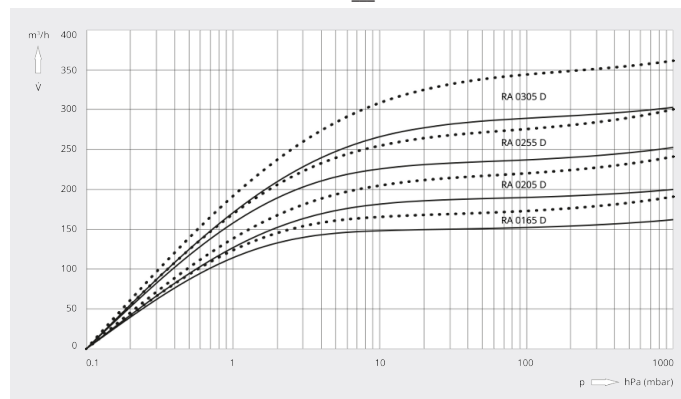
Dimensional drawing



Pumping speed

Air at 20°C. Tolerance: ± 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"

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Nominal pumping speed	112 ACFM	141 ACFM	177 ACFM	212 ACFM
Ultimate pressure (gas-ballast valve closed)	0.075 TORR	0.075 TORR	0.075 TORR	0.075 TORR
Ultimate pressure (gas-ballast valve open)	0.375 TORR	0.375 TORR	0.375 TORR	0.375 TORR
Nominal motor rating	7.5 HP	7.5 HP	10 HP	12 HP
Nominal motor speed	1800 RPM	1800 RPM	1800 RPM	1800 RPM
Power consumption at 75 TORR	6.3 HP	7 HP	8.8 HP	9.6 HP
Power consumption at ultimate pressure	3.9 HP	5.4 HP	6.0 HP	6.8 HP
Noise level (ISO 2151)	72 dB(A)	74 dB(A)	74 dB(A)	76 dB(A)
Oil capacity	7.0 qts.	7.0 qts.	7.0 qts.	7.0 qts.
Weight approx.	435 Lbs.	435 Lbs.	520 Lbs.	520 Lbs.
Dimensions (L x W x H)	40 x 23.3 x 16.1 inches	40 x 23.3 x 16.1 inches	43.1 x 23.3 x 16.5 inches	43.1 x 23.3 x 16.5 inches
Gas inlet / outlet	2" NPT / 2" NPT	2" NPT / 2" NPT	2" NPT / 2" NPT	2" NPT / 2" NPT

## DO YOU WANT TO KNOW MORE?

Get in touch with us directly!  
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