

R5 RA 0165-0305 D ECOTORQUE

Oil-lubricated rotary vane vacuum pumps



VACUUM SOLUTIONS

Part of the **BUSCH** GROUP



Efficient

High energy savings thanks to the variable speed drive (ECOTORQUE), Ecomode with automatic start and stop function

High performance

High pumping speed at low pressures, designed for continuous operation in the rough vacuum range

Flexible

Precise adjustment of vacuum level (pressure control) and pumping speed (speed control) to process requirements, compatible with a wide range of supply voltages, easy control and monitoring of up to eight vacuum pumps with optional ECOTORQUE Master Control

Accessories, spare parts and options

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

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Dimensional drawing



Pumping speed

Air at 20°C. Tolerance: $\pm 10\%$

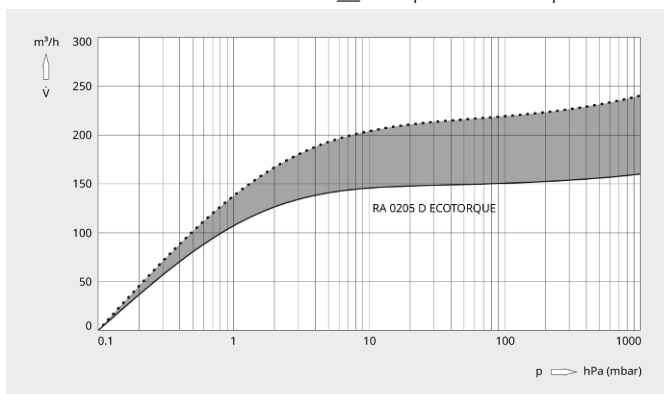
___ Min. speed Max. speed



Pumping speed

Air at 20°C. Tolerance: $\pm 10\%$

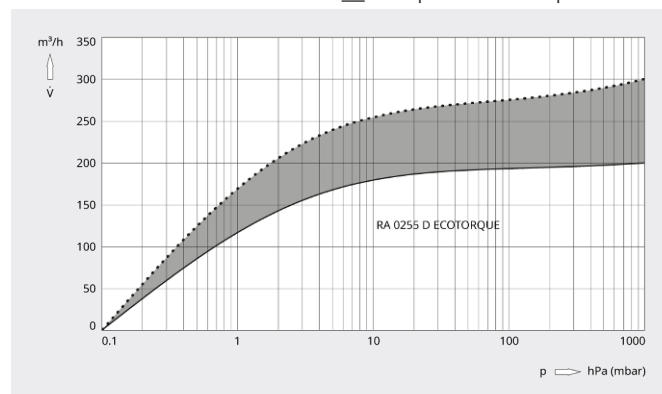
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Pumping speed

Air at 20°C. Tolerance: ± 10%

— Min. speed Max. speed



	R5 RA 0165 D ECOTORQUE	R5 RA 0205 D ECOTORQUE	R5 RA 0255 D ECOTORQUE	R5 RA 0305 D ECOTORQUE
Nominal pumping speed	130 – 190 m³/h	160 – 240 m³/h	200 – 300 m³/h	240 – 360 m³/h
Ultimate pressure (Gas-ballast valve closed)	0.1 hPa (mbar)	0.1 hPa (mbar)	0.1 hPa (mbar)	0.1 hPa (mbar)
Ultimate pressure (Gas-ballast valve open)	0.5 hPa (mbar)	0.5 hPa (mbar)	0.5 hPa (mbar)	0.5 hPa (mbar)
Nominal motor speed	1200 – 1800 min ⁻¹	1200 – 1800 min ⁻¹	1200 – 1800 min ⁻¹	1200 – 1800 min ⁻¹
Power consumption at ultimate pressure	2.0 – 3.2 kW	2.1 – 3.4 kW	3.3 – 4.8 kW	3.4 – 5.3 kW
Sound pressure level at full speed (ISO 2151), KpA = 3 dB	72 dB(A)	74 dB(A)	74 dB(A)	76 dB(A)
Oil capacity	6.5 l	6.5 l	6.5 l	6.5 l
Weight approx.	170 kg	170 kg	220 kg	220 kg
Dimensions (L x W x H)	972 x 756 x 546 mm	972 x 756 x 546 mm	1096 x 792 x 585 mm	1124 x 794 x 585 mm
Gas inlet / outlet	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!

service_sales@busch.co.il or +972 (0)8 681 04 85



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