VACUUBRAND®

Rotary vane pump RE 6



Link to the website

Product description

These powerful rotary vane pumps feature an unusually compact design and low weight for pumps of this capacity. They are the ideal solution for a wide range of laboratory and process applications that require low ultimate vacuum at medium to increased gas flow rate.

Performance features

- high flow rates even at vacuum levels approaching ultimate vacuum
- high water vapor tolerance due to efficient gas ballast; very good ultimate vacuum even with gas ballast
- vacuum-tight at switch-off; external anti-suckback valve not needed
- large oil volume: Long intervals between oil changes
- ease of maintenance due to telescopic design

Technical data are subject to change without notice
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https://shop.vacuubrand.com/20797166

Ordering data

Product name	Nominal mains voltage | mains frequency	Plug type	Articleno.
RE 6	220-230 V | 50-60 Hz 100-115 V | 50-60 Hz 120 V | 60 Hz	US	20797166

Items supplied

Pump oil filled and completely mounted, ready for use, with manual.

Accessories

- Oil mist filter outlet side FO R 2/2.5/5/6 (20698003)
- Butterfly valve VS 16 (20665004)
- Clamping ring for small flange KF DN 10/16 (20660000)
- External centring ring for small flange KF DN 10/16 (20660195)
- Small flange with hose nozzle KF DN 16 / DN 10 mm (20662806)
- Metal vacuum tubing with small flanges KF DN 16 (20673336)
- Rubber vacuum tubing DN 10 mm (20686002)
- Maintenance kit RE 2.5 - RZ 6 (20648977)

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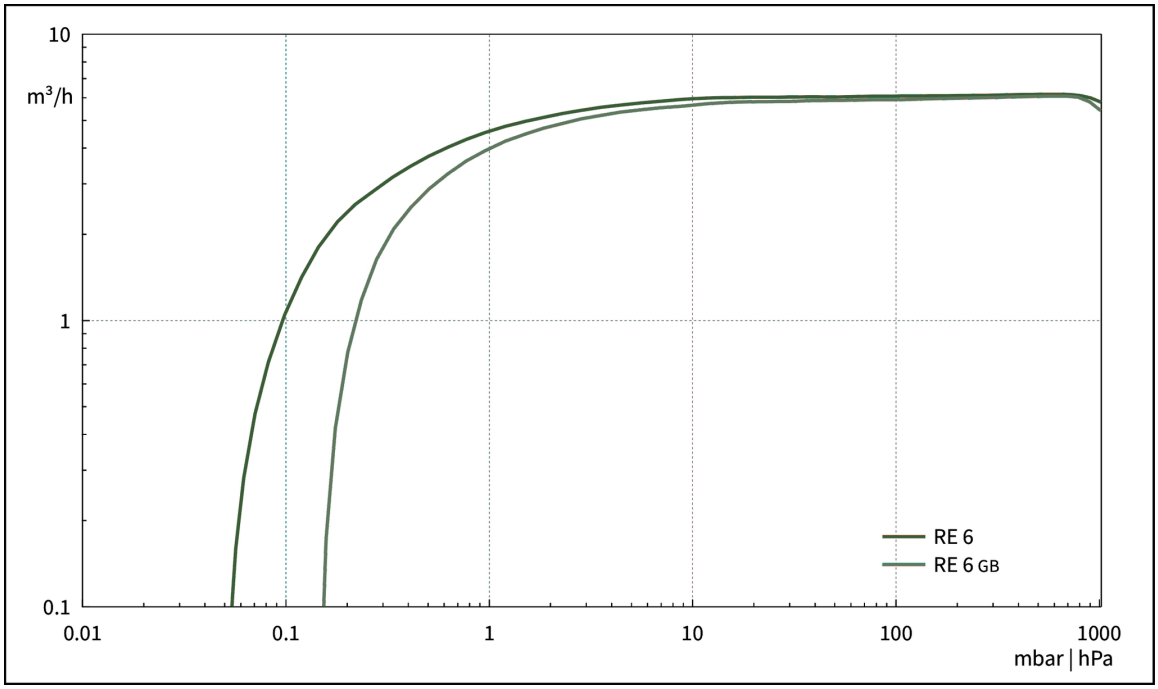
Technical data

Max. pumping speed 50 Hz (m^3/h)	5.7 m^3/h
Max. pumping speed 60 Hz (cfm)	4.0 cfm
Ultimate vacuum	1 x 10^{-1} mbar / 0.75 x 10^{-1} torr
Ultimate vacumm with gas ballast	6 x 10^{-1} mbar / 4.5 x 10^{-1} torr
Ultimate partial vacuum without gas ballast	1 x 10^{-1} mbar / 0.75 x 10^{-1} torr
Water vapor tolerance	40 mbar / 30 torr
Number of stages	1
Permissible ambient temperature range (operation)	12 - 40 °C
Permissible ambient temperature range (storage)	-10 - 60 °C
Max. outlet pressure (abs.)	1.1 bar
Oil capacity min./max.	0.36 / 0.93 l
Inlet connection	Small flange KF DN 16 / hose nozzle DN 10 mm
Outlet connection	Hose nozzle DN 8-10 mm
Rated motor power	0.18 kW
Rated speed 50/60 Hz	1500/1800 min^{-1}
Protection class IEC 60529	IP 40
Dimensions (L x W x H)	420 mm x 156 mm x 240 mm
Weight	15.8 kg
Noise (sound pressure level) in dBA at 50 Hz or 1500 rpm/62% (VARIO)/1500 rpm (VARIO-SP)/12500 Upm (VACUU·PURE®)	50 dBA
NRTL certification	Yes

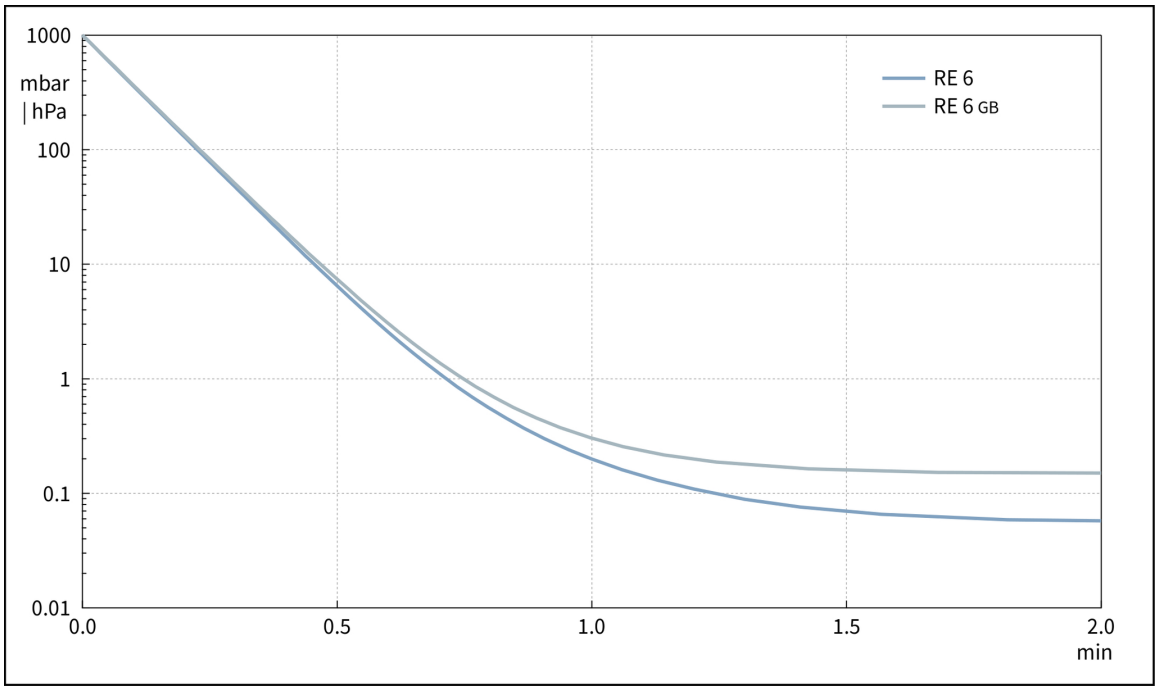
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Pumping speed graph at 50 Hz



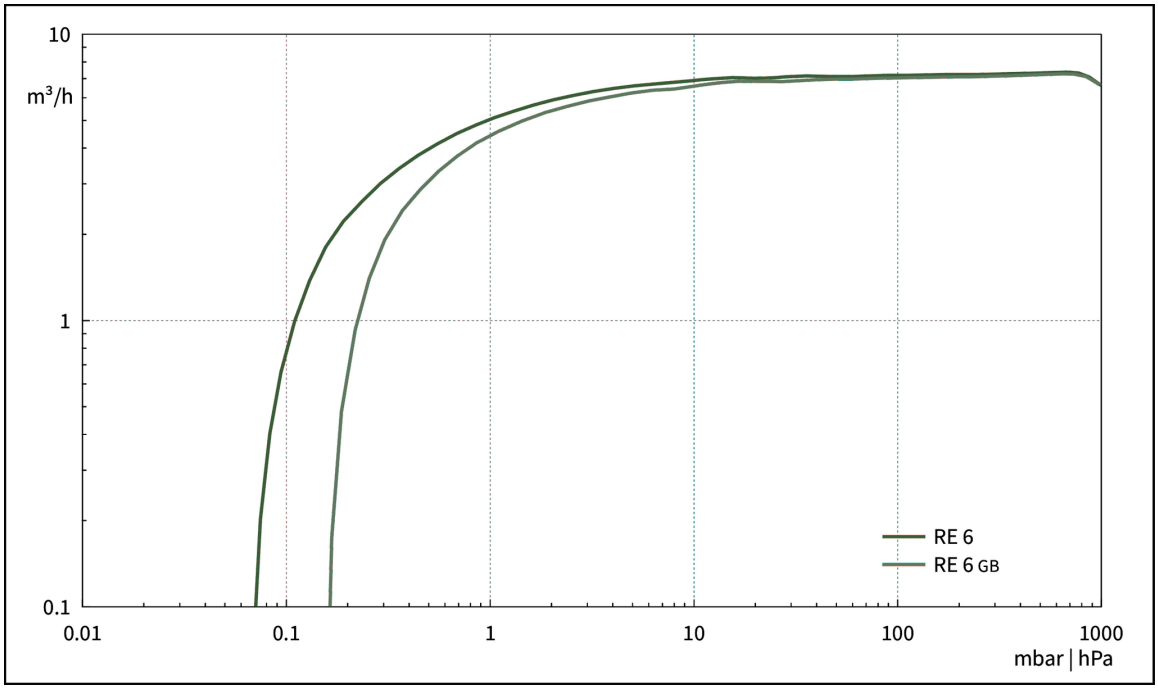
Pump down graph at 50 Hz (10 l volume)



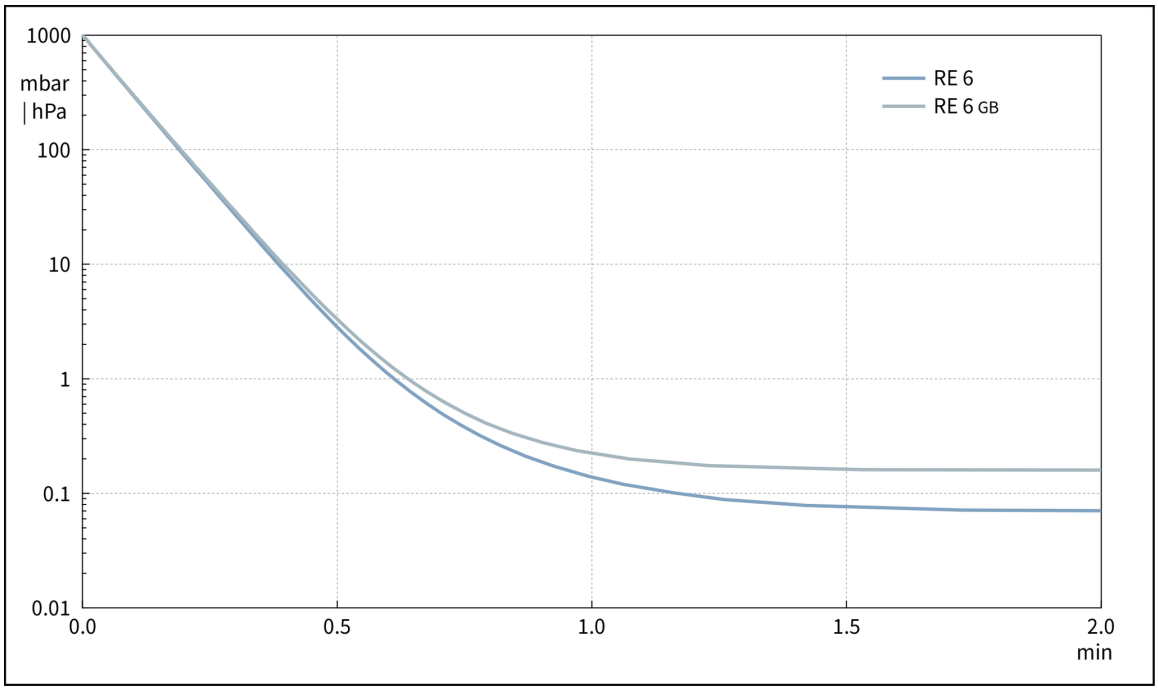
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Pumping speed graph at 60 Hz



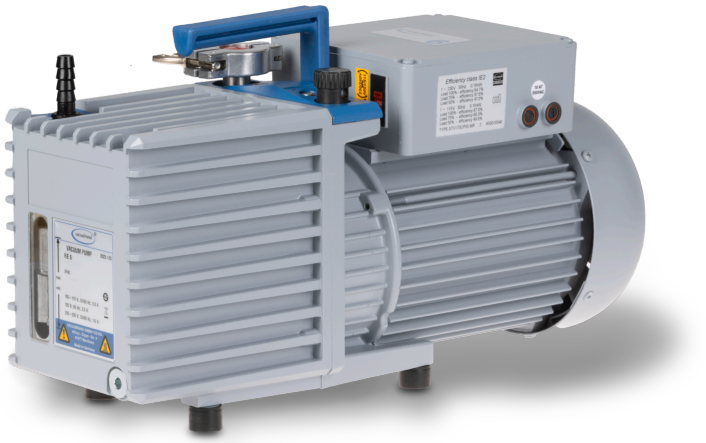
Pump down graph at 60 Hz (10 l volume)

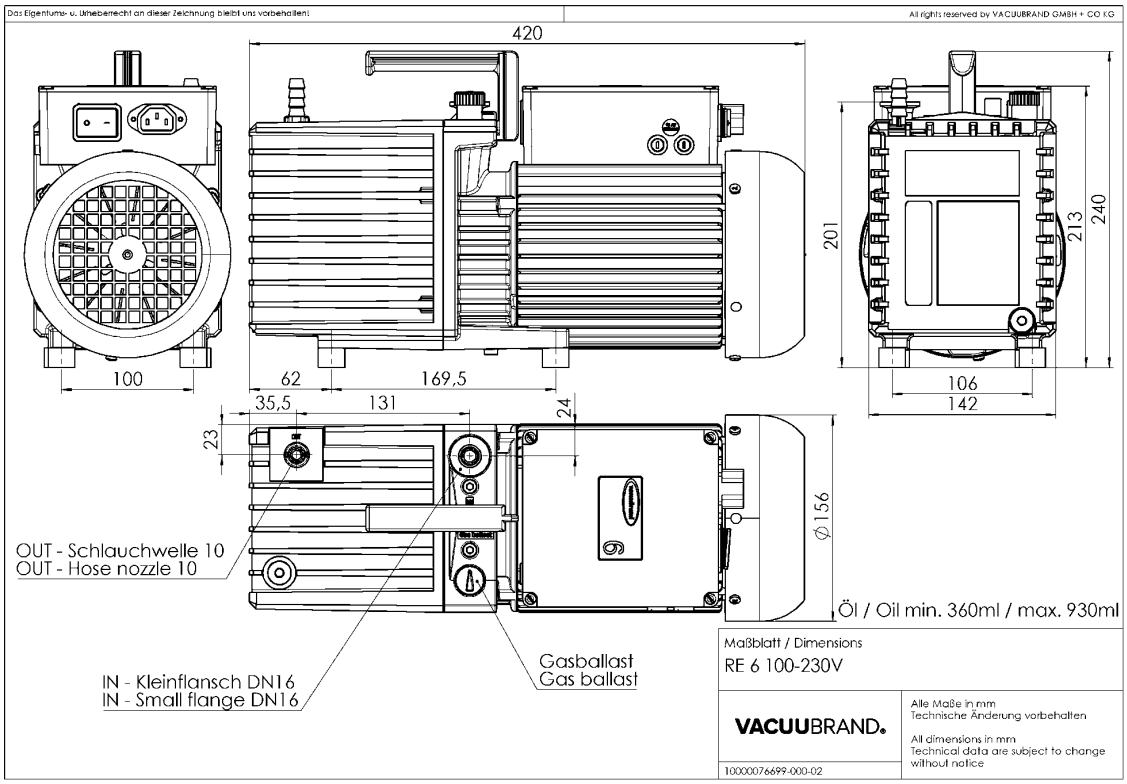


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Dimension sheet





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VACUUBRAND

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With highly motivated and qualified employees, we manufacture the world's most comprehensive product family for vacuum generation, measurement and control for the rough and fine vacuum range in the laboratory.

All with one goal:
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