

# Rotary vane pump RE 6

Order no.: 20797160

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

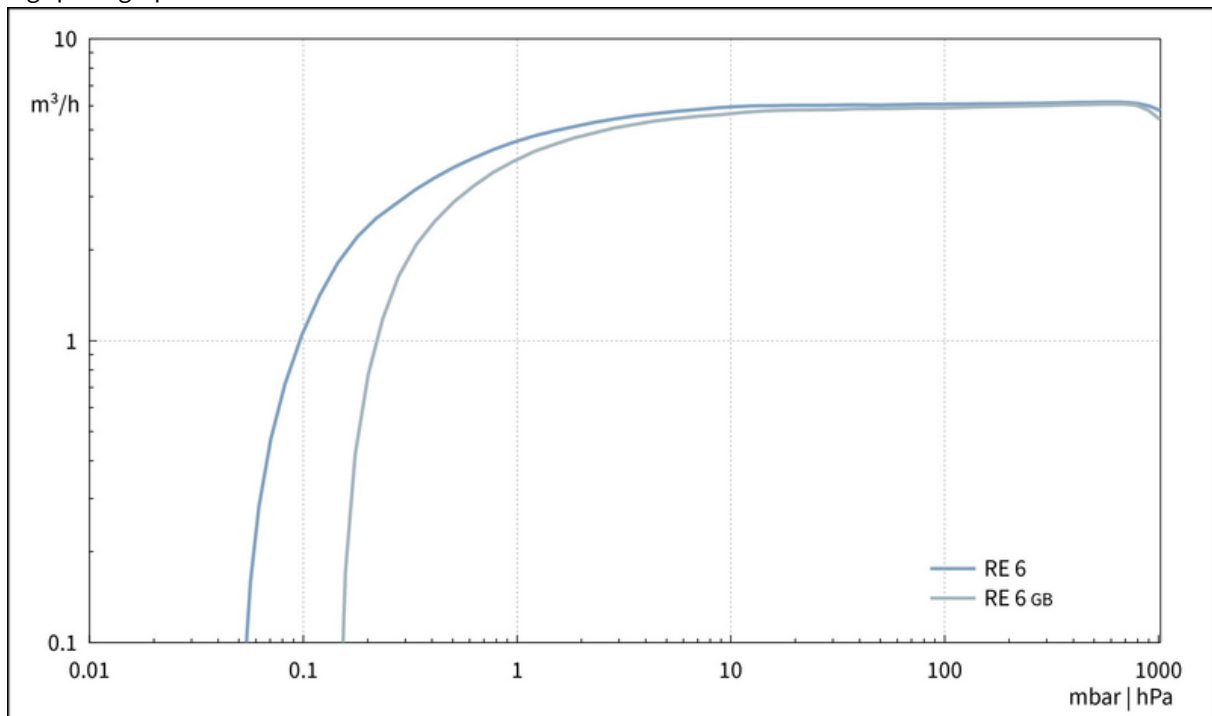
- high flow rates even at vacuum levels approaching ultimate vacuum
- high water vapor tolerance due to efficient gas ballast; very good ultimate vacuum even with gas ballast
- vacuum-tight at switch-off; external anti-suckback valve not needed
- large oil volume: Long intervals between oil changes
-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

## Technical data

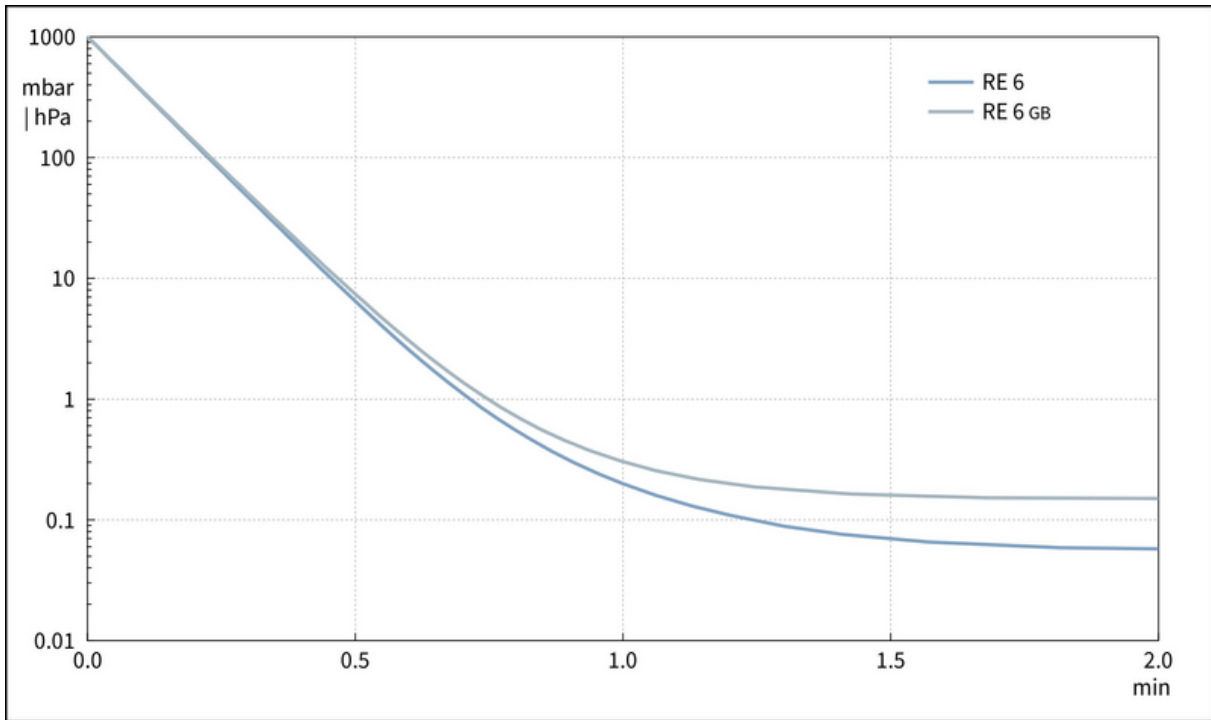
Number of stages		1
Max. pumping speed at 50/60 Hz	m <sup>3</sup> /h	5.7 / 6.8
Max. pumping speed at 50/60 Hz	cfm	3.4 / 4.0
Ultimate partial vacuum (abs.)	mbar	1 x 10 <sup>-1</sup>
Ultimate vacuum (abs.)	mbar/torr	1 x 10 <sup>-1</sup> / 0.75 x 10 <sup>-1</sup>
Ultim. vac. (abs.) with gas ballast	mbar/torr	6 x 10 <sup>-1</sup> / 4.5 x 10 <sup>-1</sup>
Water vapor tolerance with gas ballast	mbar	40
Ambient temperature range (operation)	°C	12 - 40
Ambient temperature range (storage)	°C	-10 - 60
Oil capacity (B-Oil) min./max.	l	0.36 / 0.93
Max. back pressure (abs.)	bar	1.1
Inlet connection		small flange KF DN 16
Outlet connection		Hose nozzle DN 8-10 mm
Rated motor power	kW	0.18
Rated motor speed at 50/60 Hz	min <sup>-1</sup>	1500/1800
Protection class		IP 40
Dimensions (L x W x H), approx.	mm	420 x 156 x 240
Weight, approx.	kg	15.7
Noise level at 50 Hz, typ.	dBA	50

CE mark	Yes
Items supplied	Pump oil filled and completely mounted, ready for use, with manual.
Accessories	Stainless steel tubing KF DN 16 (1000 mm: 20673336) Separator inlet side AK R 5/6 (20698006) Oil mist filter FO R 2/2.5/5/6 (20698003) Package fine vacuum control KF DN 16 (20700100 or 20700101) Rubber vacuum tubing DN 8 mm (20686001) Small flange KF DN 16 with hose nozzle DN 8-10 mm (20662806)

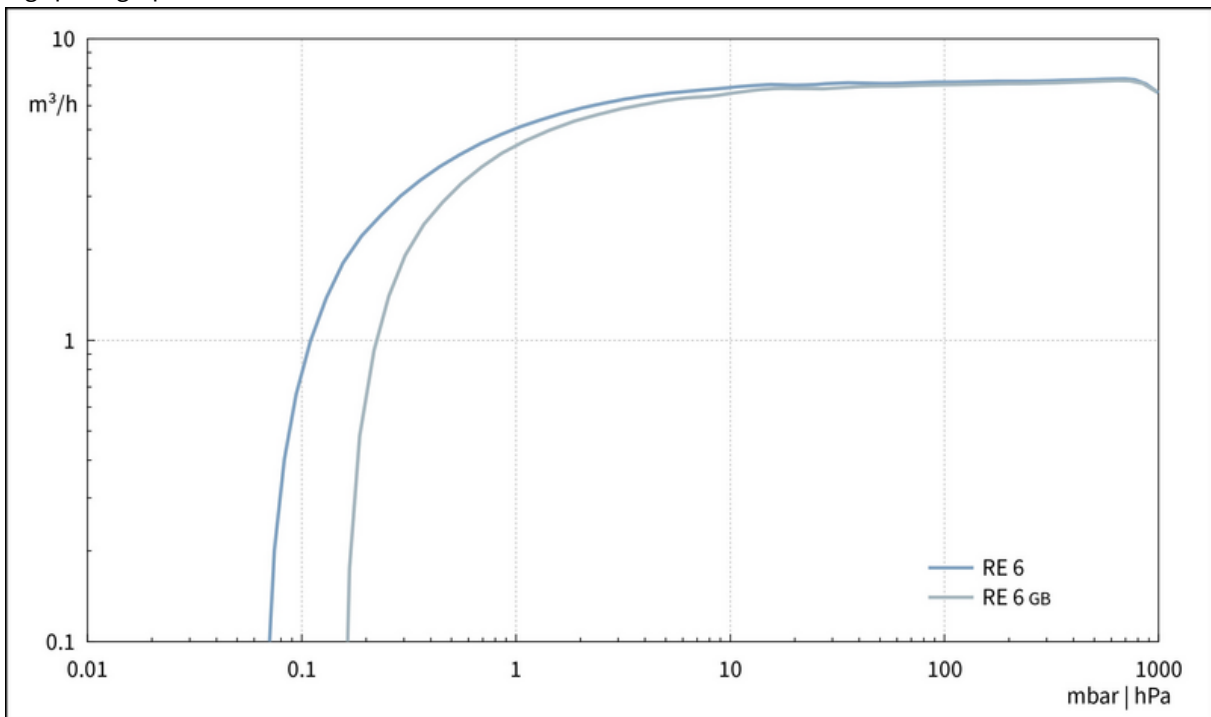
Pumping speed graph at 50 Hz



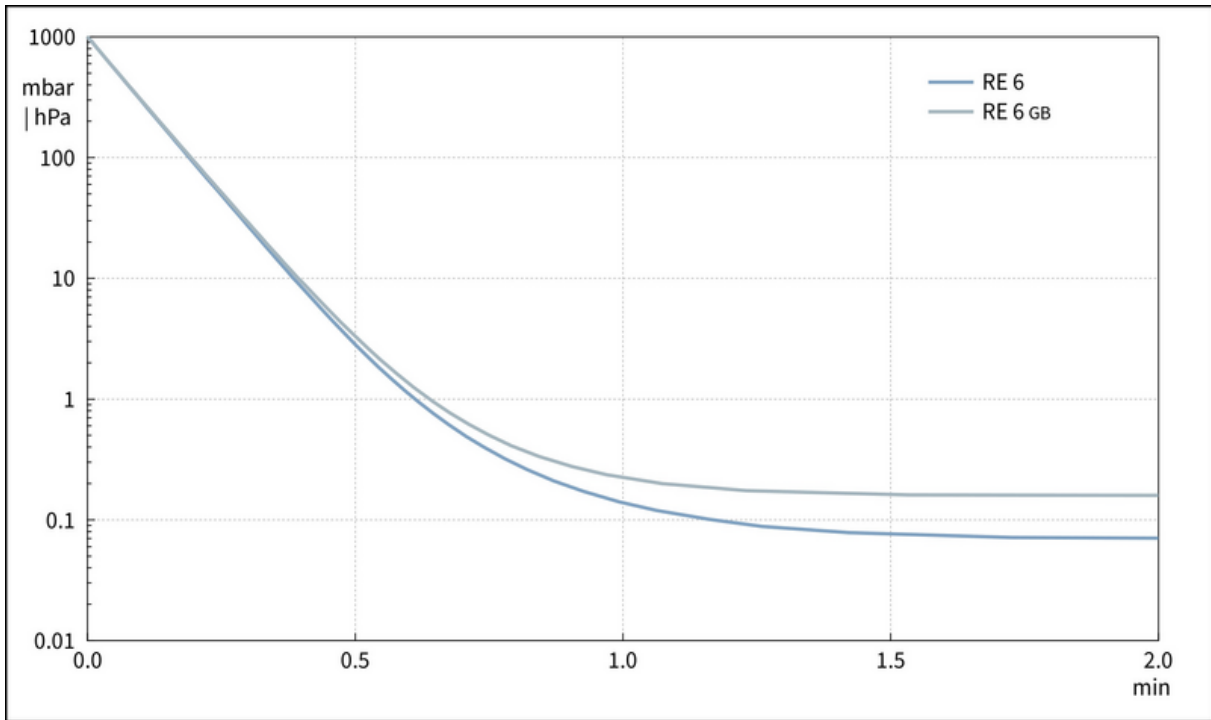
Pump down graph at 50 Hz  
(10 l volume)



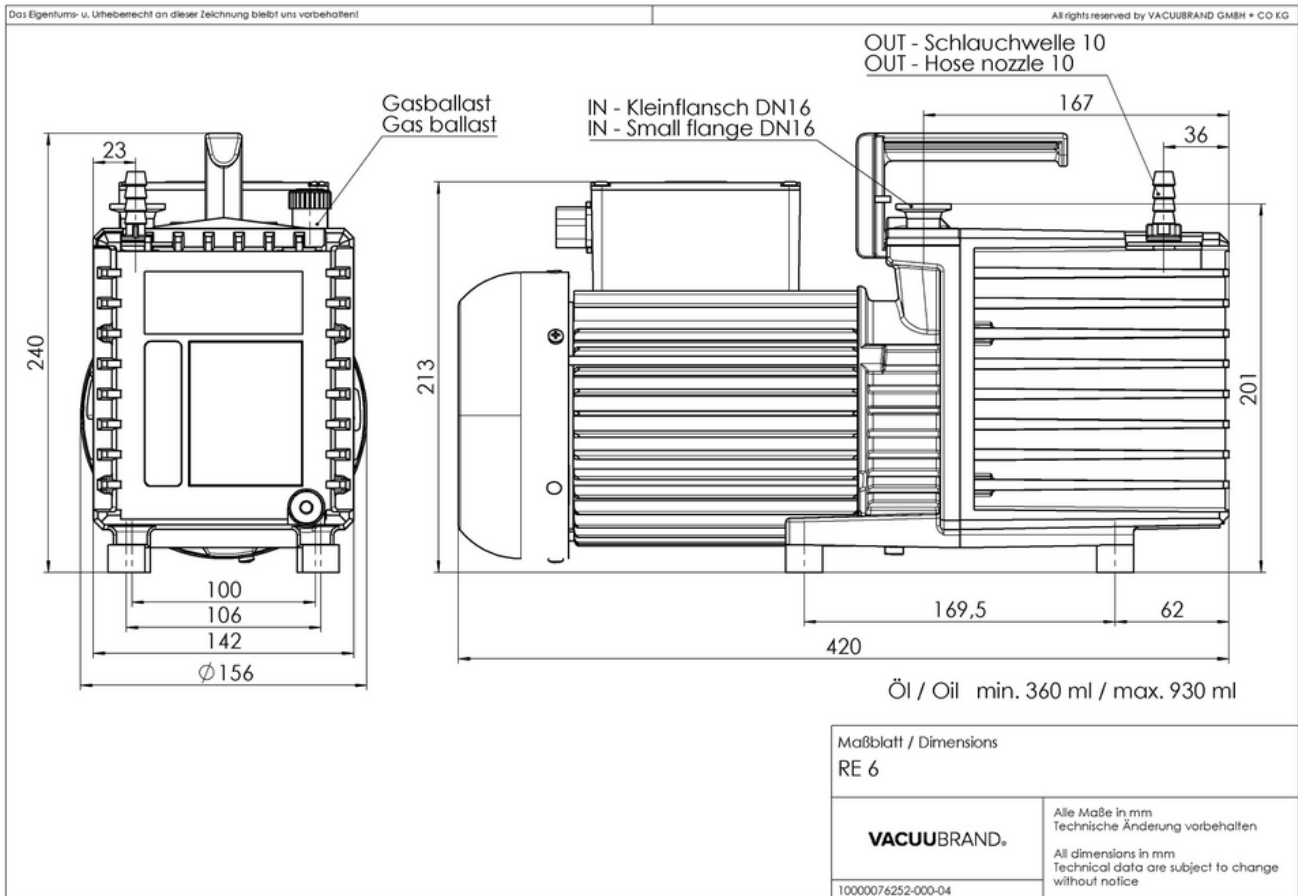
Pumping speed graph at 60 Hz



Pump down graph at 60 Hz  
(10 l volume)



## Dimension sheet



## Ordering data

Product name	Mains voltage and frequency	Plug	Order no.
RE 6	230 V~ 50-60 Hz	CEE	20797160