



Vacuubrand RC 6

Technical Specifications

	Unit	RC 6
Number of stages		2 + 2
Max. pumping speed at 50/60 Hz	m ³ /h	5.9 / 6.9
Max. pumping speed at 50/60 Hz	cfm	3.5 / 4.1
Ultimate partial vacuum (abs.)	mbar	4 x 10 ⁻⁴
Ultimate vacuum (abs.)	mbar/torr	2 x 10 ⁻³ / 1.5 x 10 ⁻³
Ultim. vac. (abs.) with gas ballast	mbar/torr	1 x 10 ⁻² / 0.75 x 10 ⁻²
Water vapor tolerance with gas ballast	mbar	>> 40 mbar
Ambient temperature range (operation)	°C	12 - 40
Ambient temperature range (storage)	°C	-10 - 60
Oil capacity (B-Oil) min./max.	l	0.34 / 0.50
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	0.37
Rated motor speed at 50/60 Hz	min-1	1500/1800
Degree of protection		IP 40
Dimensions (L x W x H)	mm	510 x 305 x 230
Weight	kg	24.2
Noise level at 50 Hz, typ.	dBA	50
Items supplied		Pump completely mounted, ready for use after oil filling (bottle 0.5 l enclosed), with manual.



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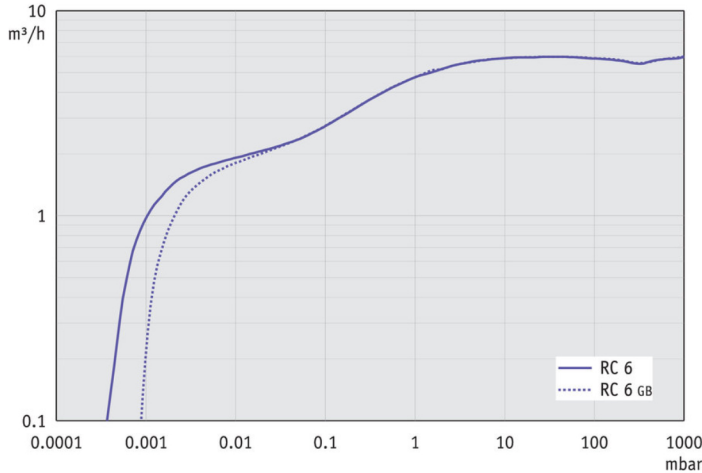
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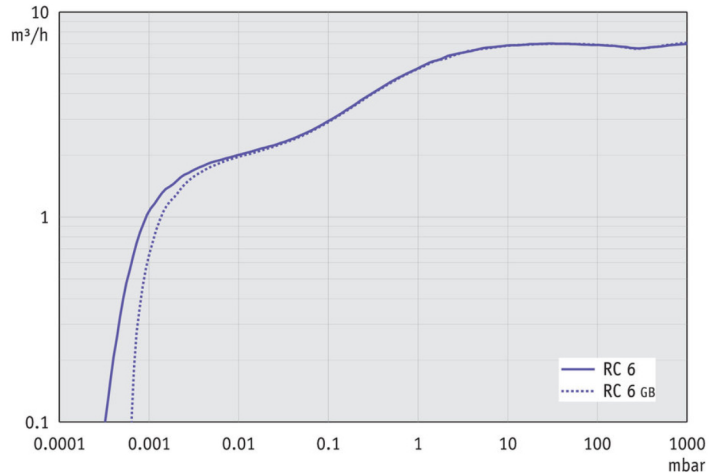
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Vacuubrand RC 6 Pumping Curves

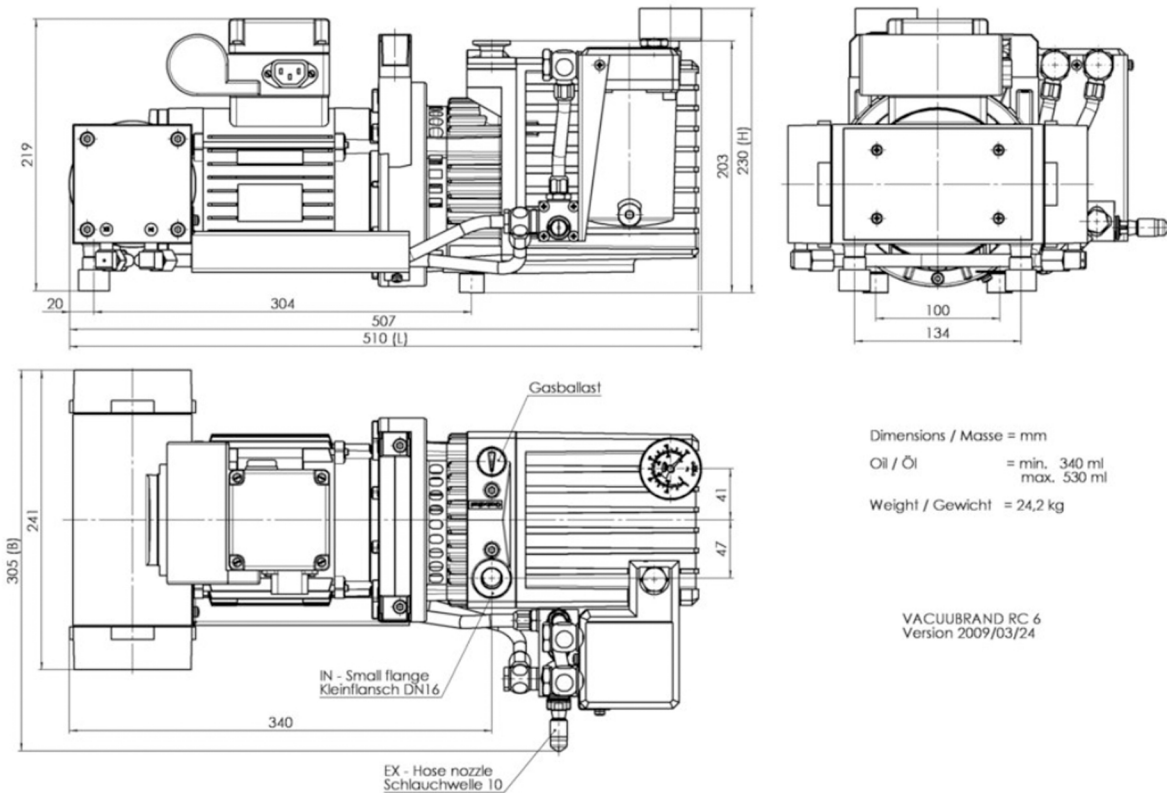
50Hz



60Hz



Dimensions





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Features & Benefits

- two-stage rotary vane pump & a two-stage chemistry diaphragm pump
- optimized for corrosion resistance.
- maintains the oil reservoir under vacuum in order to keep the partial pressures of solvent vapors at levels below their condensation points & to reduce the concentration of oxygen and corrosive gases.
- has higher solvent vapor pumping capability & resistance to aggressive gases than conventional rotary vane pumps
- reduced internal corrosion, even when working with corrosive vapors
- most economical solution
- ease of maintenance due to telescopic design

Applications

- drying chambers • lyophilization • drying with minimal residues
- molecular distillation

