

Data sheet

Compressor vacuum-pump
for suction vehicles



VacuStar

W 900 – 1300 – 1600

Compressor vacuum-pump

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VacuStar W 900 – 1300 – 1600

Compressor vacuum-pump

■ Overview



CVS develops and manufactures compressor vacuum-pumps specifically designed for installation in vacuum trucks. The development is made in close collaboration with our customers. This guarantees the optimum product for your application.

The compressor vacuum-pump

The series W was developed especially for the high requirements on mounting in suction vehicles, municipal vacuum trucks and combination trucks (combined suction and water jetting).

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■ Features

- High quality compressor vacuum-pumps from CVS for higher suction level and more suction power
- Unique and robust design guarantee long lasting performance and high operating hours
- Compact and light-weight compressor vacuum-pumps for higher payload on the truck

Compressor vacuum-pumps with system

The water cooled series W consists of 3 sizes with a volume flow of up to 1600 m³/h / 942 cfm.

Technical subject to alteration

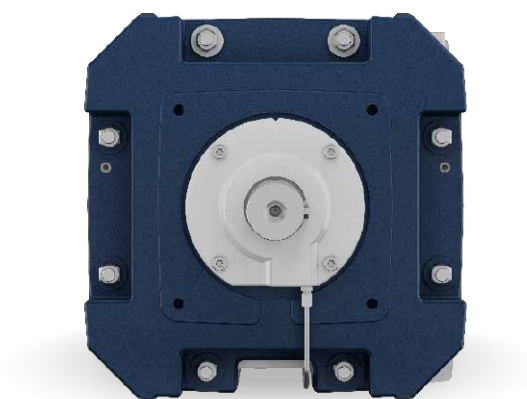
■ Advantages

- The integrated cell aeration system reduces the discharge temperature
- Cooler operation resulting in longer life for vanes, bearings and casing
- 100 mbar / 27 HG“(90 % vacuum) in continuous operation*
- Higher suction capacity
- 4 Points each on top and bottom of the housing to bolt the machine to the truck
- Connectivity for hydraulic motor
- Compact dimensions
- Higher payload possible because of low weight of the machine
- Low power requirement
- Efficient, economic operation
- ATEX temperature-class 3*

*with integrated cell aeration system

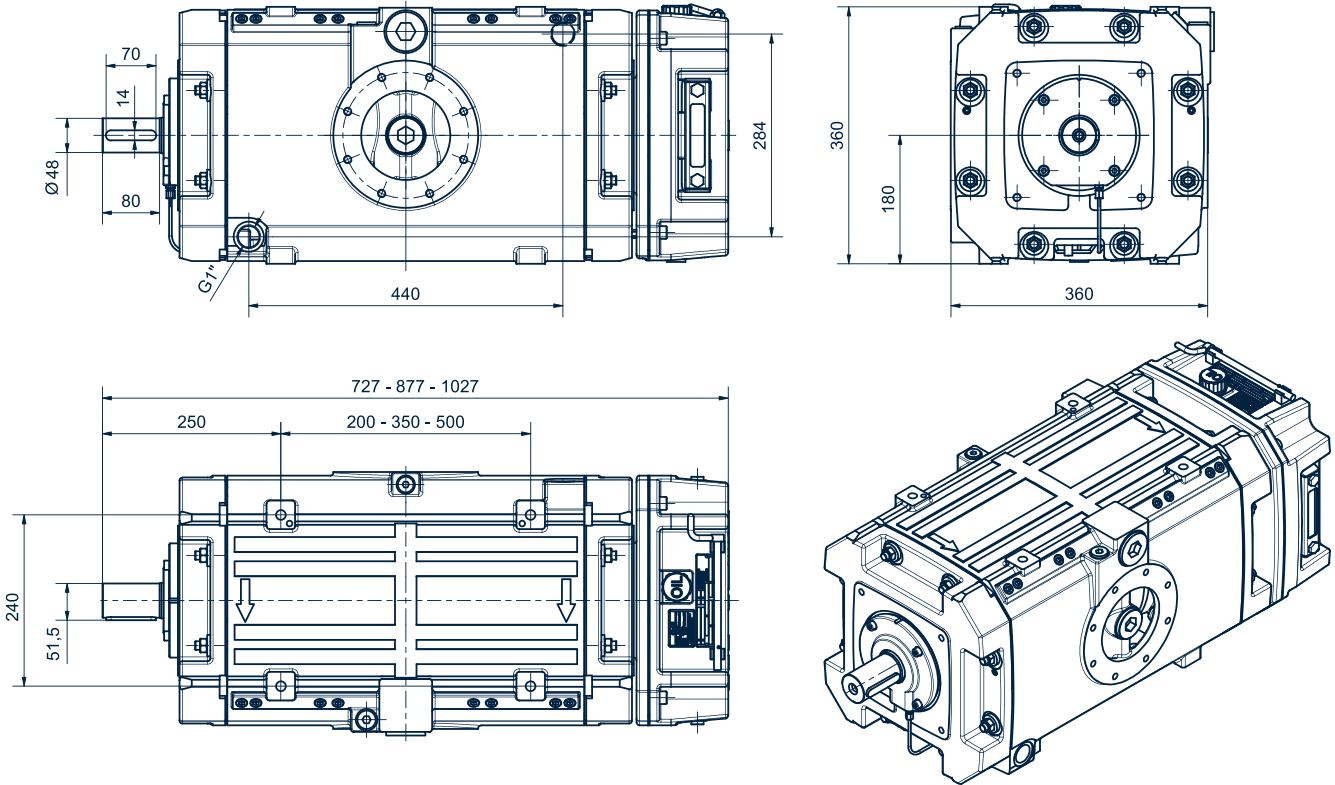
■ Optional

- Plasma-nitrided housing for difficult conditions, thus increased resistance to abrasive, adhesive and corrosive wear.
- Ceramic-coated housing for extreme conditions. Excellent resistance to abrasion, erosion and cavitation. Chemical resistance to acid and alkaline media.
- The integrated cell ventilation reduces the air outlet temperature > Increased service life due to lower thermal stress for rotor vanes, bearings, oil and housing.
- Drive via v-belt or hydraulic



■ Dimensions

VacuStar 900 - 1300 - 1600



■ Technical data

		VacuStar W 900	VacuStar W 1300	VacuStar W 1600
Volume suction flow at free air delivery	m³/h / cfm	900 / 530	1300 / 765	1600 / 942
at 400 mbar / 18 HG"	m³/h / cfm	860 / 506	1220 / 718	1570 / 924
Max. operating pressure	bar g / psig	2.0 / 29	2.0 / 29	2.0 / 29
Max. operating vacuum*	mbar / HG"	100 / 27	100 / 27	100 / 27
Nominal speed	1/min / rpm	1500	1500	1500
Power requirement at 0.5 bar g / 7.25 psig	kW / hp	26.0 / 35.0	38.0 / 51.0	47.5 / 63.5
Weight	kg / lb	220 / 485	279 / 615	339 / 747

* with integrated cell aeration

Technical subject to alteration