



VacuStar W 900 – 1300 – 1600

Compressor vacuum-pump

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).

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.

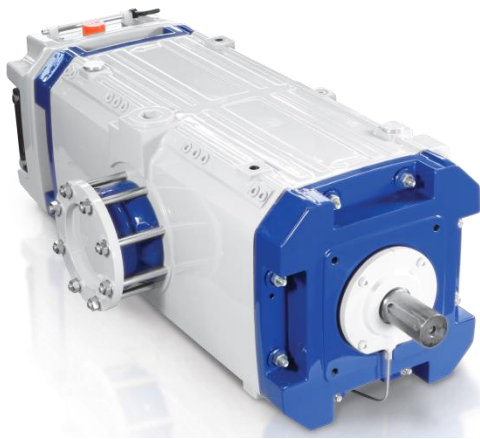
Advantages

- » 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

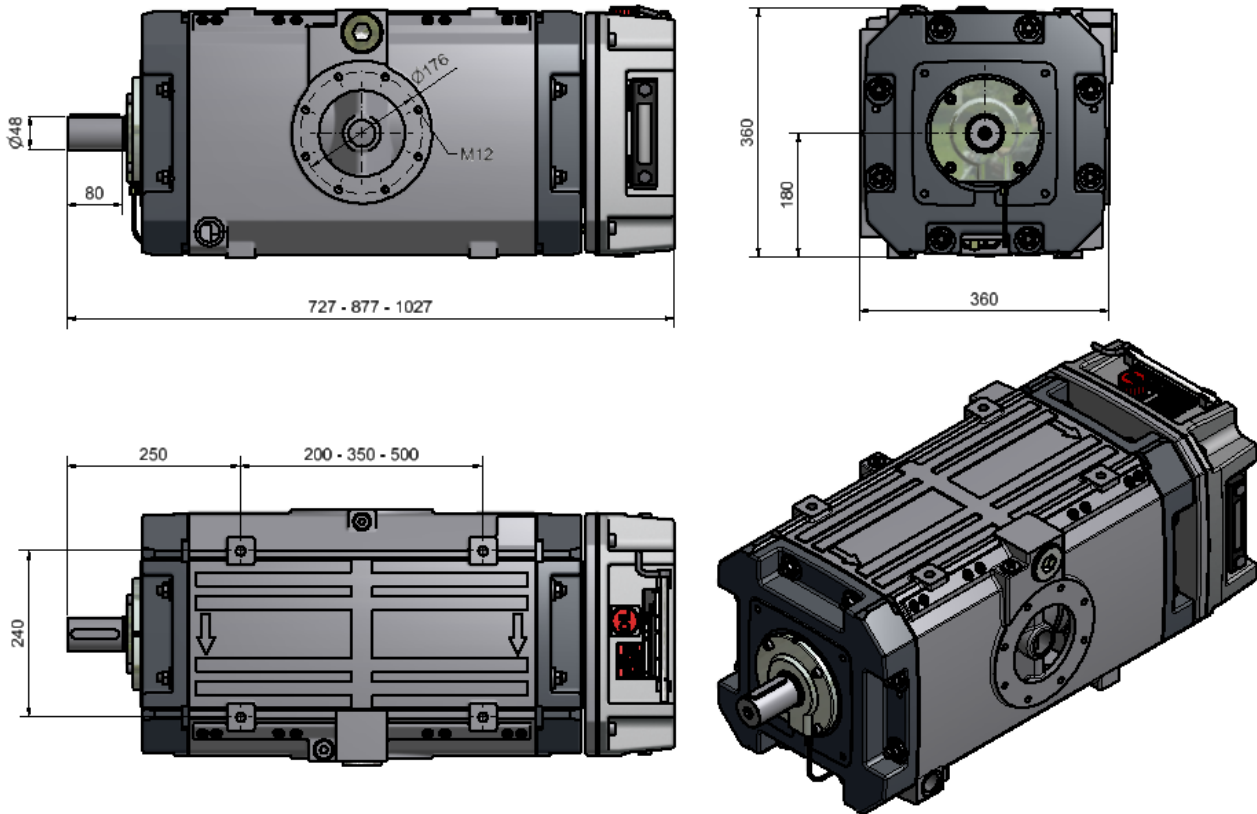
Optional

- » 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.





Dimensions



Technical data

		VacuStar W 900	VacuStar W 1300	VacuStar W 1600
Volume flow at free air delivery	m ³ /h / cfm	900 / 530	1300 / 765	1600 / 942
at 400 mbar / 18 HG“	m ³ /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
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