

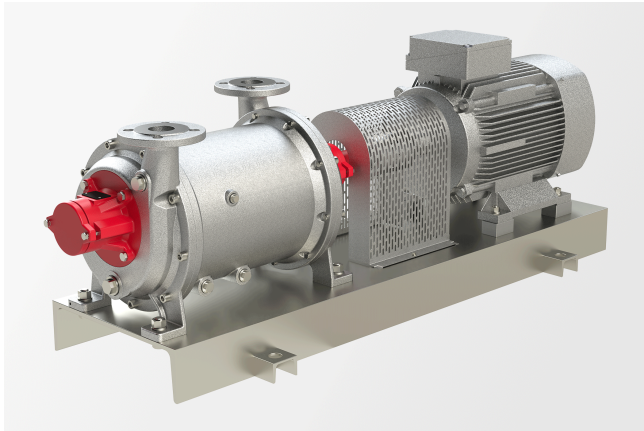
Product data sheet

Liquid ring vacuum pump

VHD series

Innovative technology for a lower vacuum with high compressive strength

Two-stage base plate pumps with magnetic coupling or mechanical seal



Description

- » Liquid ring vacuum pump
- » Free-flying shaft
- » Single-acting mechanical seal, dual-acting mechanical seal, magnetic coupling
- » Two-stage
- » Valveless
- » Low number of sealing surfaces thanks to one-piece stage casing
- » Pressure-resistant up to 10 bar
- » Specially selected materials and seals for application-specific designs
- » Oil-free vacuum generation
- » Use of condensed process medium as the operating liquid
- » Liquid carry over at a constant vacuum

Markets and applications

Chemical and pharmaceutical industry

- » Filling plants for paste media
- » Distillation
- » Filtration
- » Evaporation
- » Degasification
- » Drying of loose bulk materials
- » Solvent recovery
- » Condensate drainage

Plastics processing

- » Manufacturing of PET
- » Extruder degasification
- » Polystyrene moulded parts processing
- » Drying of plastic granulate
- » Decontamination in PET recycling systems

Food and beverage industry

- » Vacuum cutters
- » Aspiration
- » Beverage filling plants
- » Sous-vide cooking
- » Degasification
- » Extraction
- » Sterilisers
- » Reverse osmosis systems

Medical technology

- » Steam sterilisation systems

Get in touch with us!

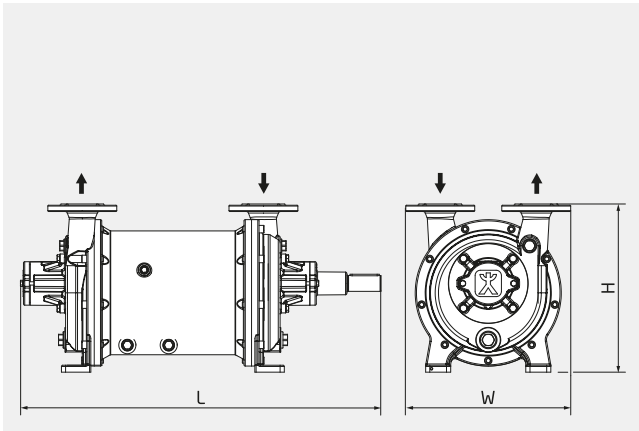
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Make a non-binding enquiry

sales@speckaustralia.com

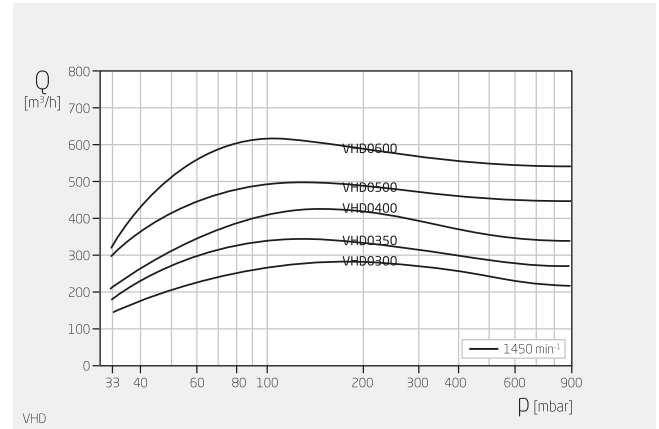
Technical data

International system of units, alternating current 50 Hz



H	402-450 mm
W	395-425 mm
L	743-968 mm

Dimensions may vary depending on the design.

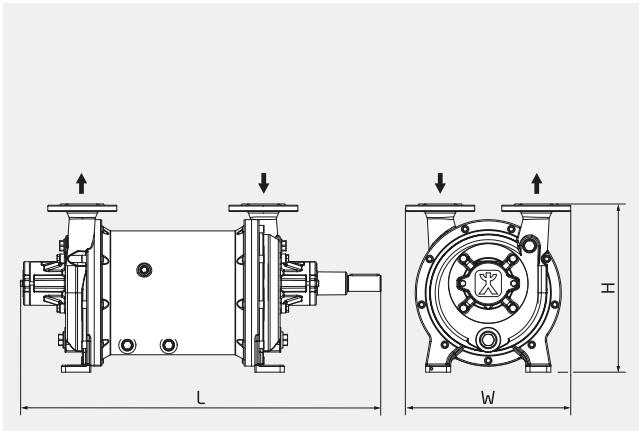


Specifications apply for dry air at 20°C at nominal speed and operating water at 15°C.

Product type	Liquid ring vacuum pump
Stages	2
Shaft sealing/coupling	Mechanical seal or magnetic coupling
Pump design	Free-flying shaft
Typical media	Dry and moist gases
Variable speed	Frequency-converter-compatible motor on request
Suction pressure ext.	33-800 mbar
Suction capacity	150.0-620.0 m³/h
Motor current type	3~
Nominal motor power	7.3 - 17.6 kW
Nominal motor speed	1450 rpm
Suction-side connection design	Flange in acc. with DIN EN 1092 and ANSI B 16.5
Suction-side connection size	DN 40 - DN 65
Pressure-side connection design	Flange in acc. with DIN EN 1092 and ANSI B 16.5
Pressure-side connection size	DN 40 - DN 65
Material designs	Grey cast iron Stainless steel Free of non-ferrous metals
Explosion protection	None II 3G, II 3D II 2G, II 2D II 2/2G II 1/2G II 1+H2/2G

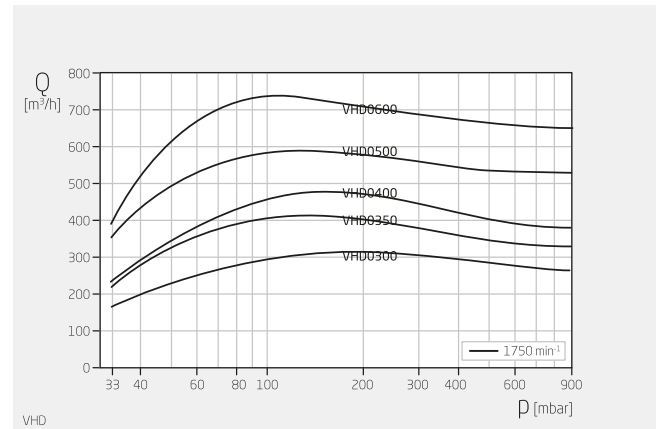
Technical data

International system of units, alternating current 60 Hz



H	402-450 mm
W	395-425 mm
L	743-968 mm

Dimensions may vary depending on the design.

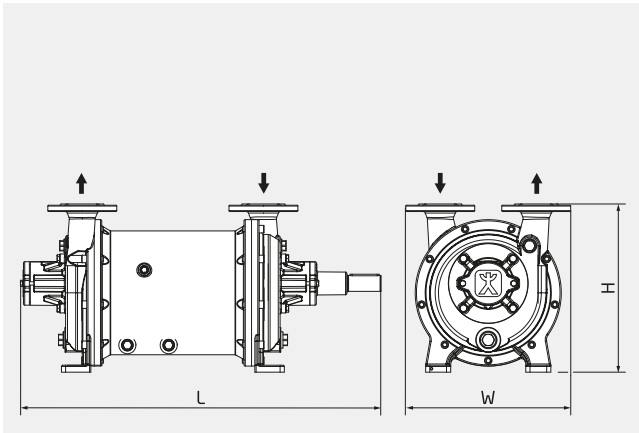


Specifications apply for dry air at 20°C at nominal speed and operating water at 15°C.

Product type	Liquid ring vacuum pump
Stages	2
Shaft sealing/coupling	Mechanical seal or magnetic coupling
Pump design	Free-flying shaft
Typical media	Dry and moist gases
Variable speed	Frequency-converter-compatible motor on request
Suction pressure ext.	33-800 mbar
Suction capacity	180.0-740.0 m³/h
Motor current type	3~
Nominal motor power	9.5 - 25.1 kW
Nominal motor speed	1750 rpm
Suction-side connection design	Flange in acc. with DIN EN 1092 and ANSI B 16.5
Suction-side connection size	DN 40 - DN 65
Pressure-side connection design	Flange in acc. with DIN EN 1092 and ANSI B 16.5
Pressure-side connection size	DN 40 - DN 65
Material designs	Grey cast iron Stainless steel Free of non-ferrous metals
Explosion protection	None II 3G, II 3D II 2G, II 2D II 2/2G II 1/2G II 1+H2/2G

Technical data

Anglo-American system of measurement, alternating current 60 Hz

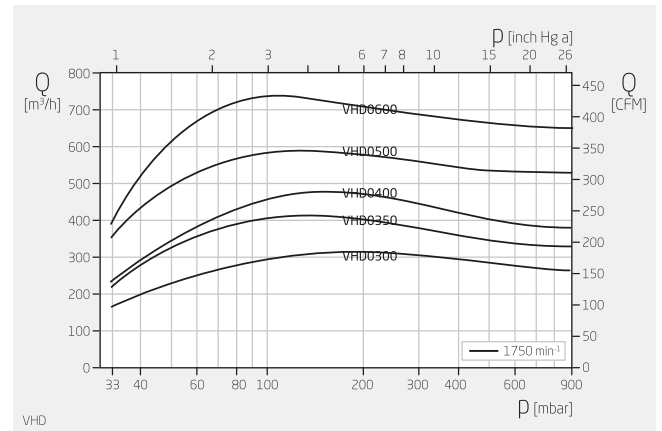


H 15,83-17,72 inch

W 15,55-16,73 inch

L 29,25-38,11 inch

Dimensions may vary depending on the design.



Specifications apply for dry air at 68 °F at nominal speed and operating water at 59°F.

Product type	Liquid ring vacuum pump
Stages	2
Shaft sealing/coupling	Mechanical seal or magnetic coupling
Pump design	Free-flying shaft
Typical media	Dry and moist gases
Variable speed	Frequency-converter-compatible motor on request
Suction pressure ext.	1.0-23.6 inHg
Suction capacity	105.9-435.5 CFM
Motor current type	3~
Nominal motor power	12.7-33.7 HP
Nominal motor speed	1750 rpm
Suction-side connection design	Flange in acc. with DIN EN 1092 and ANSI B 16.5
Suction-side connection size	DN 40 - DN 65
Pressure-side connection design	Flange in acc. with DIN EN 1092 and ANSI B 16.5
Pressure-side connection size	DN 40 - DN 65
Material designs	Grey cast iron Stainless steel Free of non-ferrous metals
Explosion protection	None II 3G, II 3D II 2G, II 2D II 2/2G II 1/2G II 1+H2/2G