

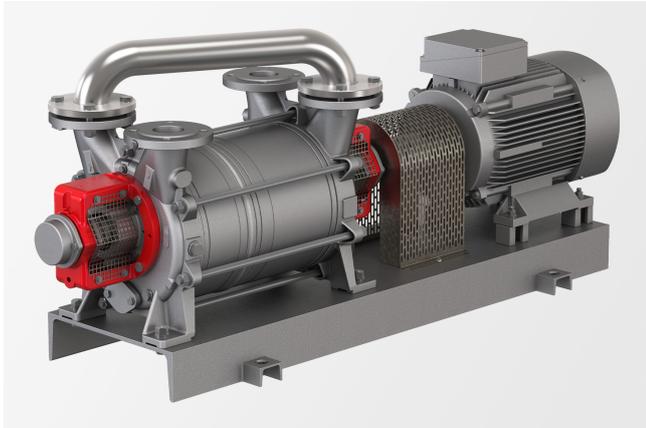
Product data sheet

Liquid ring vacuum pump

VH series

Durable, tried-and-tested technology for a lower vacuum

Two-stage base plate pumps with mechanical seal



Description

- » Liquid ring vacuum pump
- » Free-flying shaft
- » Single-acting mechanical seal, dual-acting mechanical seal
- » Two-stage
- » Valveless
- » 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!

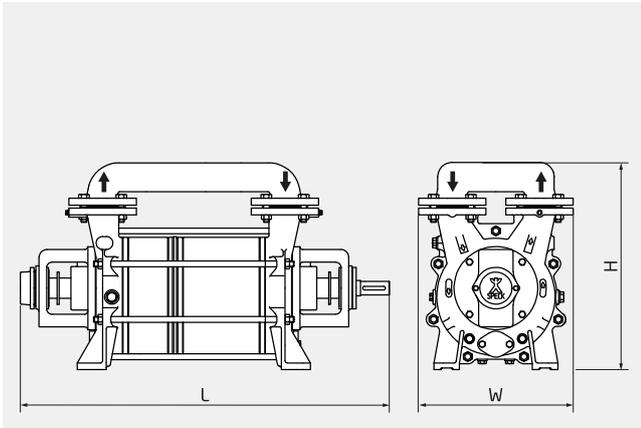
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Make a non-binding enquiry

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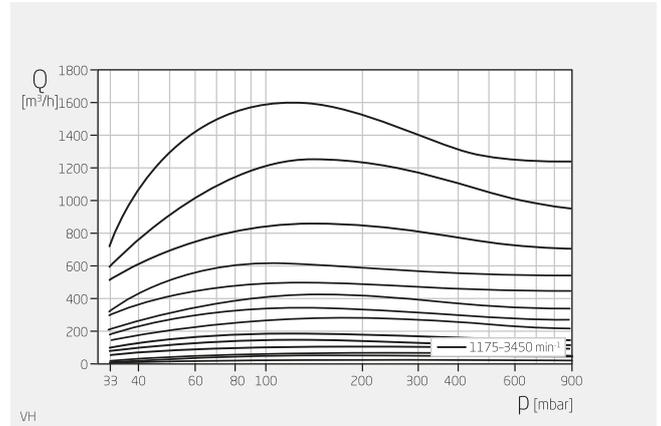
Technical data

International system of units, alternating current 50 Hz



H	220-776 mm
W	180-590 mm
L	352-1483 mm

Dimensions may vary depending on the design.

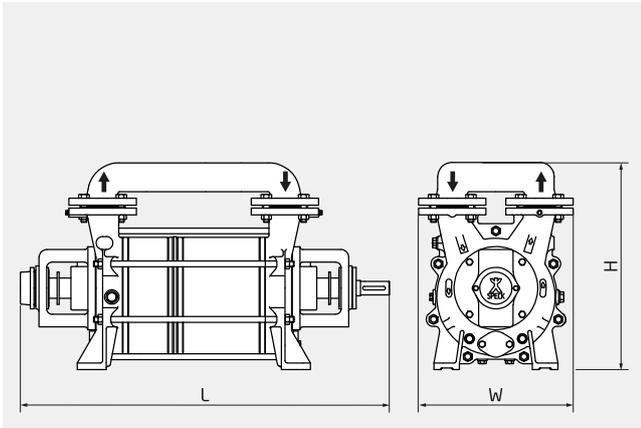


Specifications apply for dry air at 20°C at nominal speed and operating water at 15°C.

Product type	Liquid ring vacuum pump
Stages	2
Shaft sealing	Mechanical seal
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	7.0-1589.0 m³/h
Motor current type	1~/3~
Nominal motor power	0.8 - 40 kW
Nominal motor speed	975 rpm, 1450 rpm, 2800 rpm
Suction-side connection design	Oval flange in acc. with DIN 2558 Flange in acc. with DIN EN 1092 and ANSI B 16.5
Suction-side connection size	G 1¼"
Pressure-side connection design	Oval flange in acc. with DIN 2558 Flange in acc. with DIN EN 1092 and ANSI B 16.5
Pressure-side connection size	G 1¼"
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

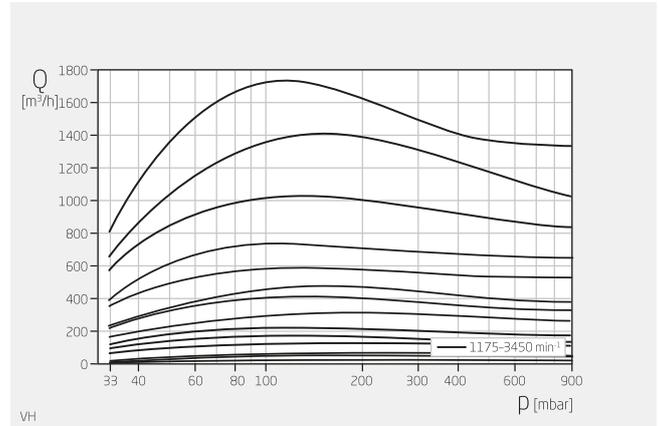
Technical data

International system of units, alternating current 60 Hz



H	220-776 mm
W	180-590 mm
L	352-1483 mm

Dimensions may vary depending on the design.

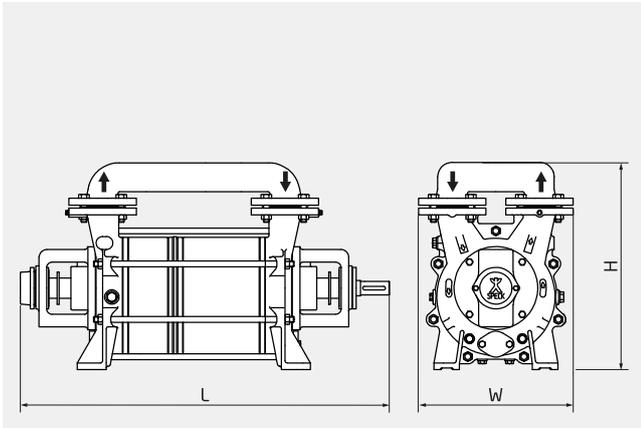


Specifications apply for dry air at 20°C at nominal speed and operating water at 15°C.

Product type	Liquid ring vacuum pump
Stages	2
Shaft sealing	Mechanical seal
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	7.0-1717.0 m³/h
Motor current type	1~/3~
Nominal motor power	1.1 - 5.8 kW
Nominal motor speed	1175 rpm, 1750 rpm, 3400 rpm
Suction-side connection design	Oval flange in acc. with DIN 2558 Flange in acc. with DIN EN 1092 and ANSI B 16.5
Suction-side connection size	G 1¼"
Pressure-side connection design	Oval flange in acc. with DIN 2558 Flange in acc. with DIN EN 1092 and ANSI B 16.5
Pressure-side connection size	G 1¼"
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

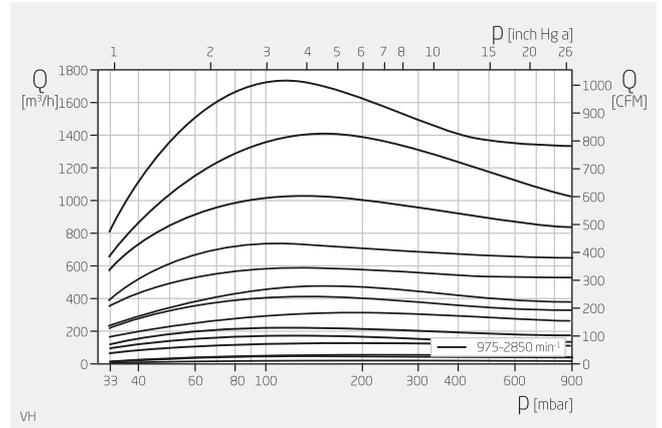
Technical data

Anglo-American system of measurement, alternating current 60 Hz



H 8,66–30,55 inch
 W 7,09–23,23 inch
 L 13,86–58,39 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	Mechanical seal
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	4.1-1010.6 CFM
Motor current type	1~/3~
Nominal motor power	1.5-7.8 HP
Nominal motor speed	1175 - 3400 rpm
Suction-side connection design	Oval flange in acc. with DIN 2558 Flange in acc. with DIN EN 1092 and ANSI B 16.5
Suction-side connection size	G 1¼"
Pressure-side connection design	Oval flange in acc. with DIN 2558 Flange in acc. with DIN EN 1092 and ANSI B 16.5
Pressure-side connection size	G 1¼"
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