

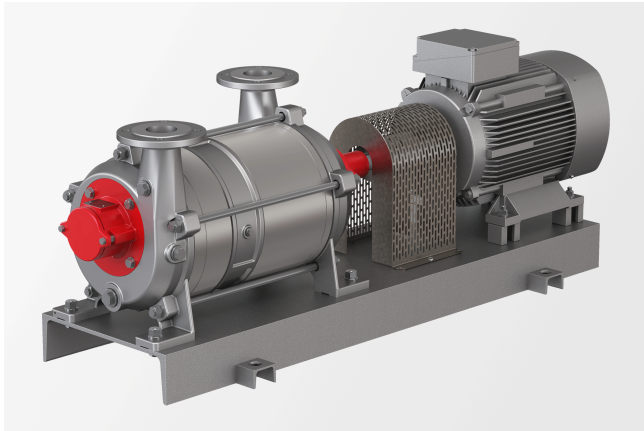
# Product data sheet

## Liquid ring vacuum pump

VHC series

Innovative technology for a lower vacuum

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
- » 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

- » 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!

Speck Pumpen Vakuumtechnik GmbH  
Regensburger Ring 6-8

VHC

**circutec**

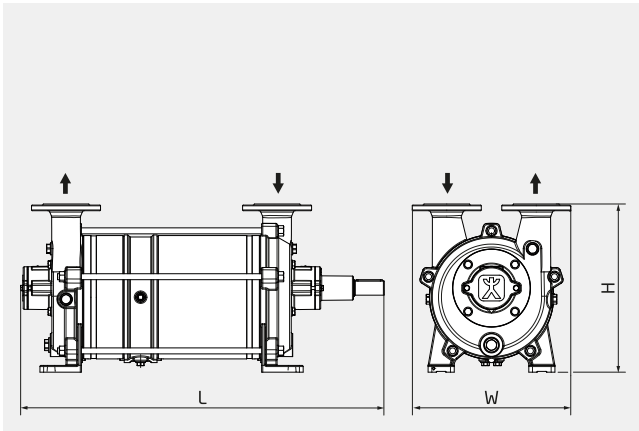
91154 Roth  
Deutschland

**Make a non-binding enquiry**

[info@speck.de](mailto:info@speck.de)

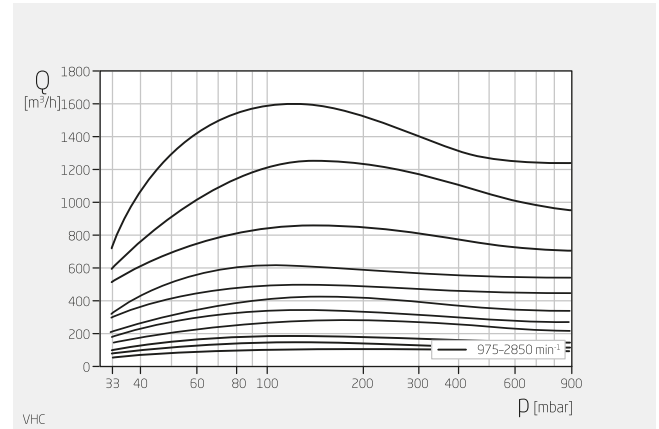
## Technical data

International system of units, alternating current 50 Hz



H	320-595 mm
W	330-590 mm
L	531-1381 mm

Dimensions may vary depending on the design.

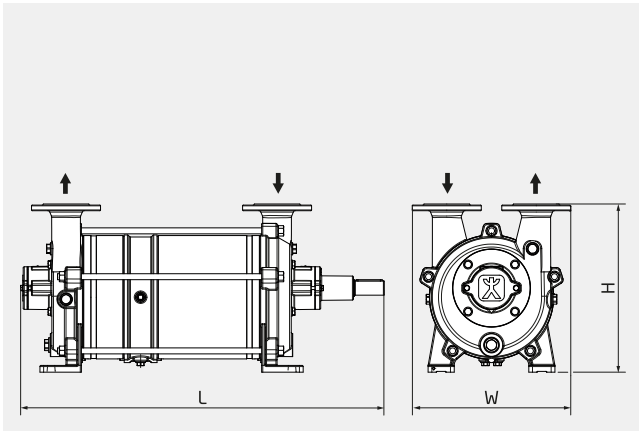


Specifications apply for dry air at 20°C at nominal speed and operating water at 15°C.

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	55.0-1589.0 m³/h
Motor current type	3~
Nominal motor power	2.9 - 39.2 kW
Nominal motor speed	975 rpm, 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 100
Pressure-side connection design	Flange in acc. with DIN EN 1092 and ANSI B 16.5
Pressure-side connection size	DN 40 - DN 100
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

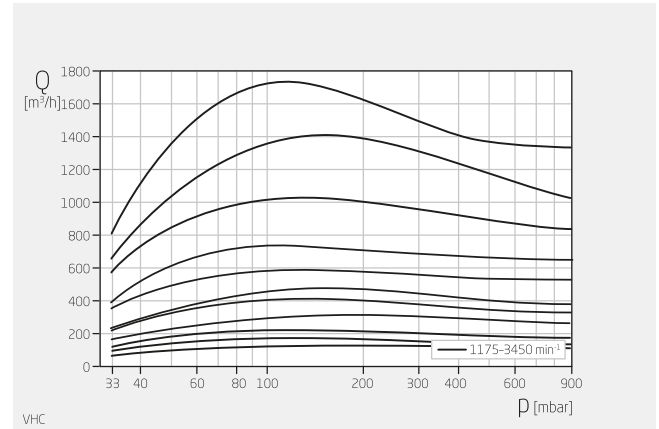
## Technical data

International system of units, alternating current 60 Hz



H	320-595 mm
W	330-590 mm
L	531-1381 mm

Dimensions may vary depending on the design.

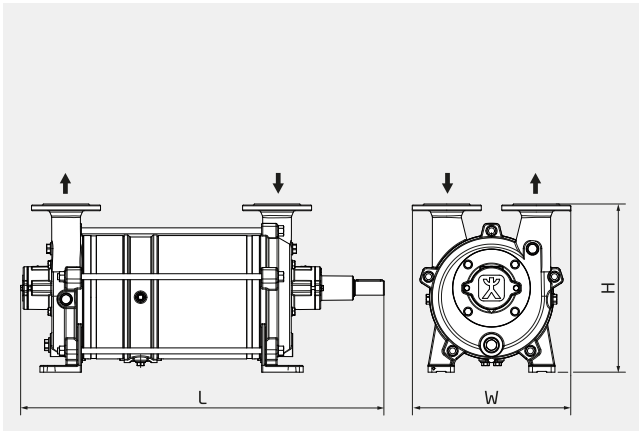


Specifications apply for dry air at 20°C at nominal speed and operating water at 15°C.

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	65.0-1717.0 m³/h
Motor current type	3~
Nominal motor power	3.7 - 50.9 kW
Nominal motor speed	1175 rpm, 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 100
Pressure-side connection design	Flange in acc. with DIN EN 1092 and ANSI B 16.5
Pressure-side connection size	DN 40 - DN 100
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

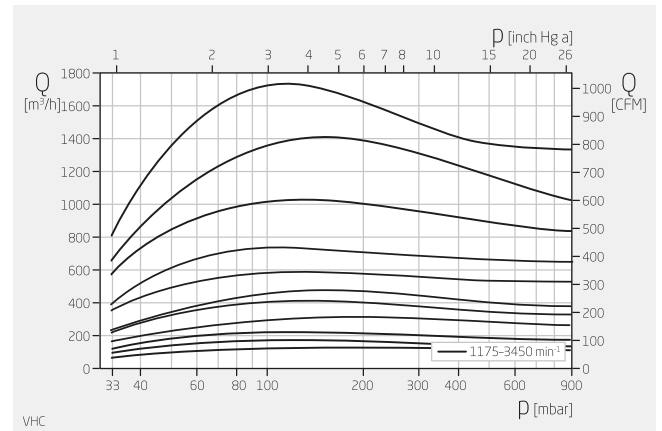


H 12,60-23,43 inch

W 12,99-23,23 inch

L 20,91-54,37 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	38.3-1010.6 CFM
Motor current type	3~
Nominal motor power	5.0-68.3 HP
Nominal motor speed	1175 rpm, 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 100
Pressure-side connection design	Flange in acc. with DIN EN 1092 and ANSI B 16.5
Pressure-side connection size	DN 40 - DN 100
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