

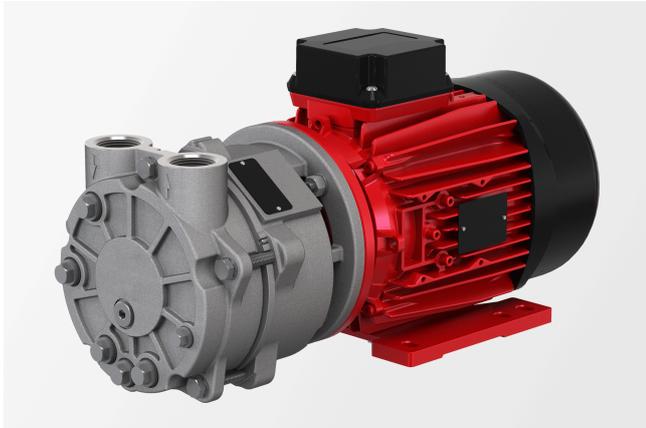
Product data sheet

Liquid ring vacuum pump

V series

The all-rounders

Single-stage close-coupled pumps with mechanical seal for universal use



Description

- » Liquid ring vacuum pump
- » Close-coupled pump
- » Bracket pump available on request
- » Single-stage
- » Mechanical seal
- » Valve flaps
- » 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
- » Condensate drainage
- » Drying of loose bulk materials
- » Freeze-drying
- » Solvent recovery

Plastics processing

- » Wet and dry calibration of plastic profiles
- » Extruder degasification
- » Extruder compounding
- » Polystyrene moulded parts processing
- » Manufacturing of PET (?)
- » Drying of plastic granulate
- » Decontamination in PET recycling systems

Food and beverage industry

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

V

circutec

- » Milk collection vehicles
- » Freeze-drying

- » Steam sterilisation systems
- » Lab autoclaves

Medical technology

Get in touch with us!

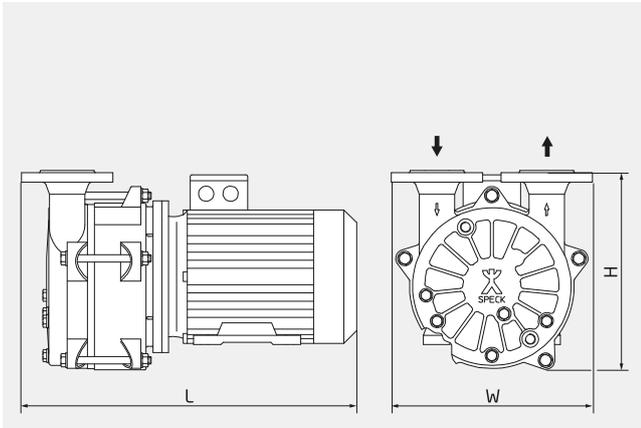
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Make a non-binding enquiry

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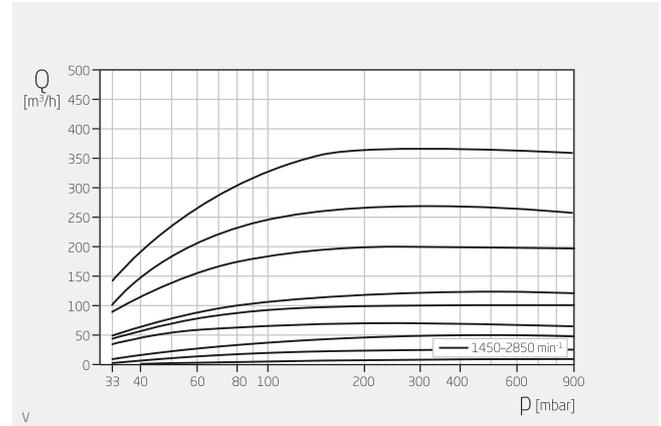
Technical data

International system of units, alternating current 50 Hz



H	151-397 mm
W	126-425 mm
L	255-902 mm

Dimensions may vary depending on the design.

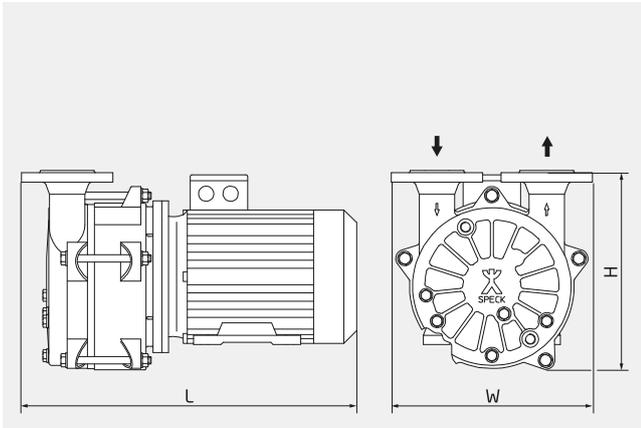


Specifications apply for dry air at 20°C at nominal speed and operating water at 15°C.

Product type	Liquid ring vacuum pump
Stages	1
Shaft sealing	Mechanical seal
Pump design	Close-coupled pump Bracket pump available on request
Typical media	Dry and moist gases
Variable speed	Frequency-converter-compatible motor on request
Suction pressure ext.	33-800 mbar
Suction capacity	2.0-370.0 m³/h
Motor current type	1~/3~
Type of motor	Asynchronous motor
Nominal motor power	0.4 - 11.0 kW
Nominal motor speed	1450 rpm, 2850 rpm
Suction-side connection design	Threaded Flange in acc. with DIN EN 1092 and ANSI B 16.5
Suction-side connection size	G 1" - DN 65
Pressure-side connection design	Threaded Flange in acc. with DIN EN 1092 and ANSI B 16.5
Pressure-side connection size	G 1" - 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/G

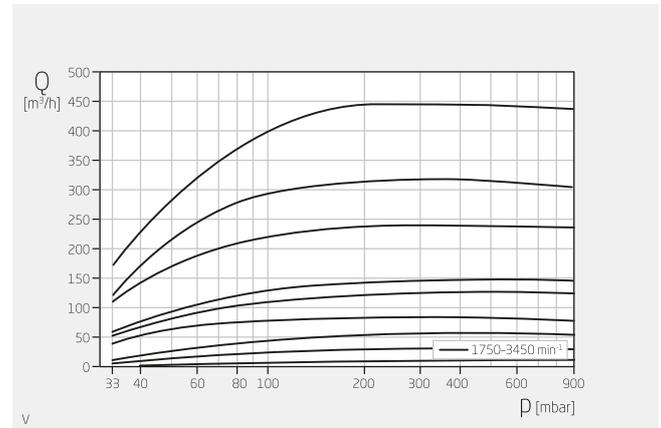
Technical data

International system of units, alternating current 60 Hz



H	151-397 mm
W	126-425 mm
L	255-902 mm

Dimensions may vary depending on the design.

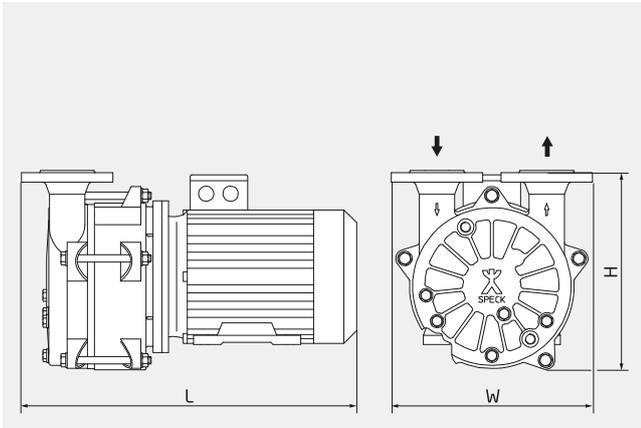


Specifications apply for dry air at 20°C at nominal speed and operating water at 15°C.

Product type	Liquid ring vacuum pump
Stages	1
Shaft sealing	Mechanical seal
Pump design	Close-coupled pump Bracket pump available on request
Typical media	Dry and moist gases
Variable speed	Frequency-converter-compatible motor on request
Suction pressure ext.	33-800 mbar
Suction capacity	3.0-445.0 m³/h
Motor current type	1~/3~
Type of motor	Asynchronous motor
Nominal motor power	0.5 - 18.0 kW
Nominal motor speed	1750 rpm, 3450 rpm
Suction-side connection design	Threaded Flange in acc. with DIN EN 1092 and ANSI B 16.5
Suction-side connection size	G 1" - DN 65
Pressure-side connection design	Threaded Flange in acc. with DIN EN 1092 and ANSI B 16.5
Pressure-side connection size	G 1" - 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/G

Technical data

Anglo-American system of measurement, alternating current 60 Hz

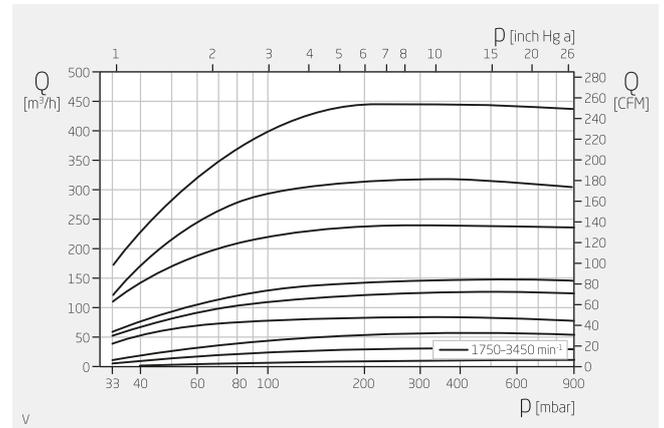


H 5,94-15,63 inch

W 4,96-16,73 inch

L 10,04-35,51 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	1
Shaft sealing	Mechanical seal
Pump design	Close-coupled pump Bracket pump available on request
Typical media	Dry and moist gases
Variable speed	Frequency-converter-compatible motor on request
Suction pressure ext.	1.0-23.6 inHg
Suction capacity	1.8-261.9 CFM
Motor current type	1~/3~
Type of motor	Asynchronous motor
Nominal motor power	0.7 – 24.1 HP
Nominal motor speed	1750 rpm, 3450 rpm
Suction-side connection design	Threaded Flange in acc. with DIN EN 1092 and ANSI B 16.5
Suction-side connection size	G 1"– DN 65
Pressure-side connection design	Threaded Flange in acc. with DIN EN 1092 and ANSI B 16.5
Pressure-side connection size	G 1"– 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/G