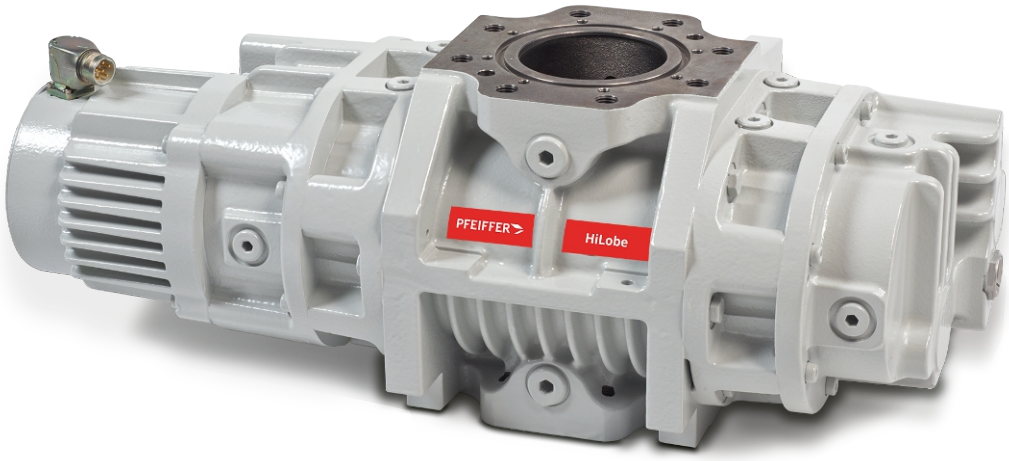
HiLobe 1002/1302

Vacuum boosters

PFEIFFER VACUUM+FAB SOLUTIONS

Part of the BUSCH GROUP



Reliable

High up-time due to intelligent condition monitoring via integrated sensors

High performance

High pumping speed, best performance-to-size-ratio

Efficient

Hermetically sealed synchronous motor (IE5), variable speed drive, optimized rotor geometries, extended maintenance intervals, canned motor design, no shaft seals

Accessories, spare parts and options

- Profinet converter
- Barrier gas kit (plastic or stainless steel)
- Gear chamber evacuation
- Flushing device (spray lance)
- Temperature and pressure monitoring (inlet and exhaust side)
- Extension cable package (possible up to 30 m)
- OmniControl
- Operating fluids
- Electronic drive options: box version, mounting plate for switch cabinet integration, without drive electronics

© Pfeiffer Vacuum

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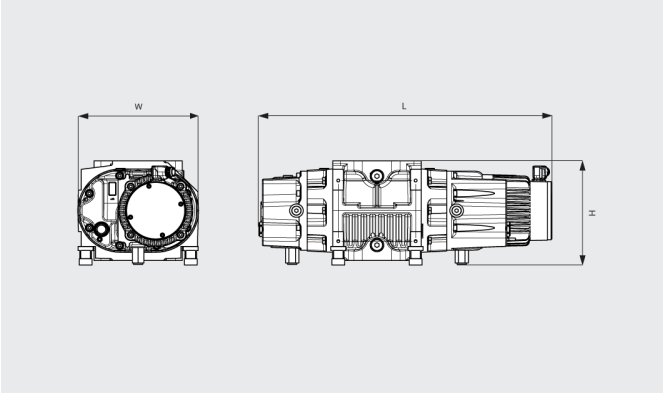
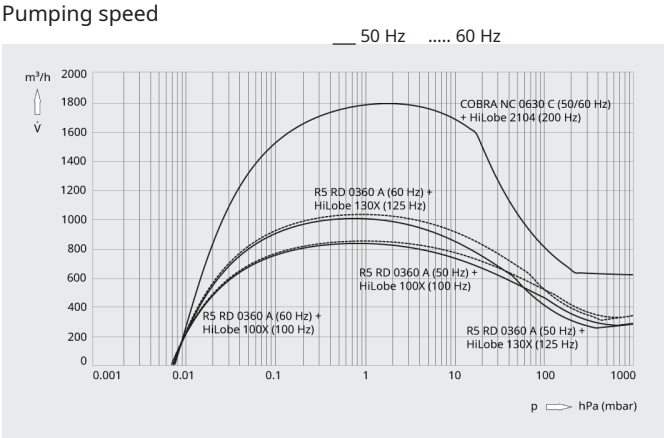
Dimensional drawing



Pumping speed



	HiLobe 1002	HiLobe 1302
Nominal pumping speed	260-1050 m³/h	260-1050 m³/h
Rotational speed	1500-1600 rpm	1500-7500 rpm
Max. differential pressure at max. rotational speed	21 hPa	13 hPa
Max. differential pressure max. at min. rotational speed	41 hPa	41 hPa
Main Flange Size/Type	DN 100 ISO-F | DN 100 PN 16	DN 100 ISO-F | DN 100 PN 16
Secondary Flange Size/Type	DN 100 ISO-F | DN 100 PN 16	DN 100 ISO-F | DN 100 PN 16
Input Voltages	380-480 AC (±10), 50/60 Hz	380-480 AC (±10), 50/60 Hz
Motor version	three-phase	three-phase
Motor protection	PTC	PTC
Rated power at full rotational speed	2 kW	2,5 kW
Electronic drive unit	RC 5500	RC 5500
Recommended mains fuse capacity	16 A	16 A
I/O Interfaces	PV.can; RS485	PV.can; RS485
Cooling method	Convection cooling	Convection cooling
Ambient temperature	5-40 °C	5-40 °C
Shipping temperature	-10-40 °C	-10-40 °C

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	HiLobe 1002	HiLobe 1302
Sound pressure level (EN ISO 2151) at inlet pressure 1 hPa	56 dB(A)	60 dB(A)
Operating fluid	D2	D2
Operating fluid filling	0.65 l	0.65 l
Protection degree	IP54; type 12	IP54; type 12
Integral leak rate	1E-06 Pa m^3/s	1E-06 Pa m^3/s
Dimensions (L x W x H)	678 x 282 x 240 mm	678 x 282 x 240 mm
Weight approx.	105 kg	105 kg

DO YOU WANT TO KNOW MORE?

Get in touch with us directly!

CONTACT FORM