

HiLobe 1004-2104

Vacuum boosters

PFEIFFER 
VACUUM+FAB SOLUTIONS

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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

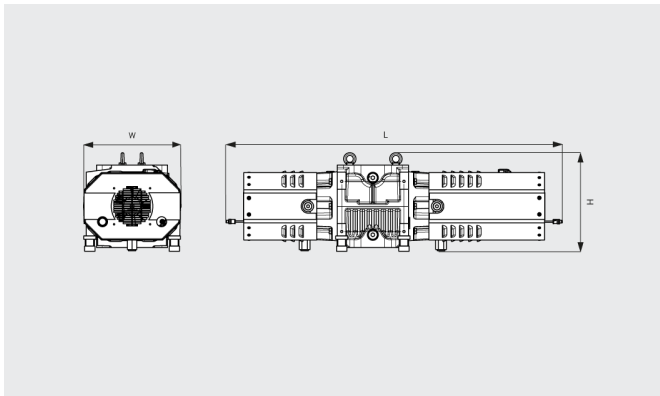
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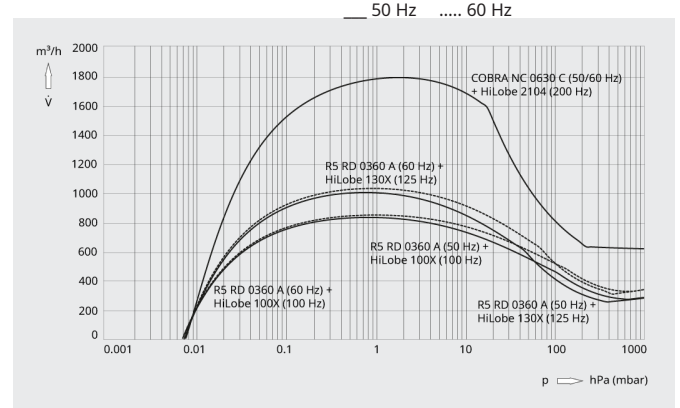
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Dimensional drawing



Pumping speed



	HiLobe 1004	HiLobe 1304	HiLobe 2104
Nominal pumping speed	250-1050 m³/h	260-1300 m³/h	260-2100 m³/h
Rotational speed	1500-6000 rpm	1500-7500 rpm	1500-12000 rpm
Max. differential pressure at max. rotational speed	52 hPa	35 hPa	12 hPa
Max. differential pressure max. at min. rotational speed	75 hPa	75 hPa	75 hPa
Main Flange Size/Type	DN 100 ISO-F DN 100 PN 16	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	DN 100 ISO-F DN 100 PN 16
Input Voltages	380-480 AC (±10), 50/60 Hz	380-480 AC (±10), 50/60 Hz	380-480 AC (±10), 50/60 Hz
Motor version	three-phase	three-phase	three-phase
Motor protection	PTC	PTC	PTC
Rated power at full rotational speed	2 kW	2,5 kW	3,5 kW
Electronic drive unit	RC 5500	RC 5500	RC 5500
Recommended mains fuse capacity	16 A	16 A	16 A
I/O Interfaces	PV.can; RS485	PV.can; RS485	PV.can; RS485
Cooling method	Active air cooling	Active air cooling	Active air cooling
Ambient temperature	5-40 °C	5-40 °C	5-40 °C

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	HiLobe 1004	HiLobe 1304	HiLobe 2104
Shipping temperature	-10-40 °C	-10-40 °C	-10-40 °C
Sound pressure level (EN ISO 2151) at inlet pressure 1 hPa	67 dB(A)	68 dB(A)	69 dB(A)
Operating fluid	D2	D2	D2
Operating fluid filling	0.65 l	0.65 l	0.65 l
Protection degree	IP54; type 12	IP54; type 12	IP54; type 12
Integral leak rate	1E-06 Pa m ³ /s	1E-06 Pa m ³ /s	1E-06 Pa m ³ /s
Dimensions (L x W x H)	875 x 282 x 240 mm	875 x 282 x 240 mm	875 x 282 x 240 mm
Weight approx.	115 kg	115 kg	115 kg

DO YOU WANT TO KNOW MORE?

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