

HiLobe 8104-14004

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 (IE4), 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
- OmniControl
- Horizontal version
- Operating fluids
- Electronic drive options: box version, mounting plate for switch cabinet integration, without drive electronics
- Cooling options: convection cooling, active-air cooling, water cooling

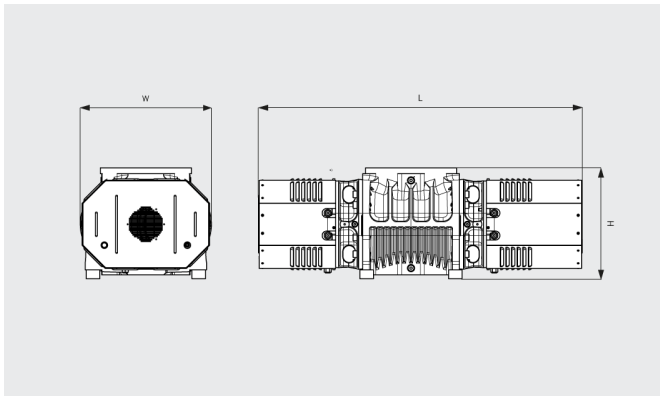
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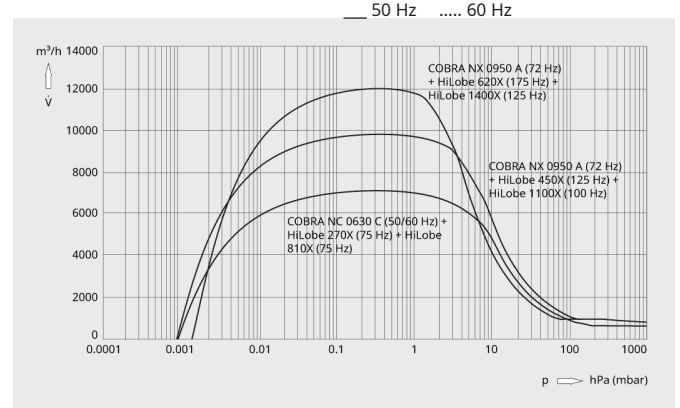
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Dimensional drawing



Pumping speed



	HiLobe 8104	HiLobe 11004	HiLobe 14004
Nominal pumping speed	2700-8120 m³/h	2700-10830 m³/h	2700-13540 m³/h
Rotational speed	1500-4500 rpm	1500-6000 rpm	1500-7500 rpm
Max. differential pressure at max. rotational speed	25 hPa	20 hPa	10 hPa
Max. differential pressure max. at min. rotational speed	30 hPa	30 hPa	30 hPa
Main Flange Size/Type	DN 250 ISO-F DN 250 PN 16	DN 250 ISO-F DN 250 PN 16	DN 250 ISO-F DN 250 PN 16
Secondary Flange Size/Type	DN 250 ISO-F DN 250 PN 16	DN 250 ISO-F DN 250 PN 16	DN 250 ISO-F DN 250 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	9 kW	12 kW	15 kW
Electronic drive unit	RC 15000	RC 15000	RC 15000
Recommended mains fuse capacity	50 A	50 A	50 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 8104	HiLobe 11004	HiLobe 14004
Shipping temperature	-10-40 °C	-10-40 °C	-10-40 °C
Sound pressure level (EN ISO 2151) at inlet pressure 1 hPa	75 dB(A)	75 dB(A)	75 dB(A)
Operating fluid	D2	D2	D2
Operating fluid filling	5.2 l	5.2 l	5.2 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)	1433 x 583 x 468 mm	1433 x 583 x 468 mm	1433 x 583 x 468 mm
Weight approx.	670 kg	670 kg	670 kg

DO YOU WANT TO KNOW MORE?

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