HiScroll 6-18

Scroll vacuum pumps

PFEIFFER VACUUM+FAB SOLUTIONS

Part of the BUSCH GROUP



High performance

Excellent performance when evacuating against atmosphere, constantly high pumping speeds, short cycle times

Quiet

Low noise and vibration levels, ideal for use in noise-sensitive working environments

Low operating costs

More than 50% lower energy consumption compared to conventional scroll vacuum pumps, no operating fluids necessary

Accessories, spare parts and options

- Tip seal replacement kit
- Tip seal and bearing replacement kit
- Gas-ballast valve kit
- Bellow kit
- Cover kit
- Electronics kit
- Exhaust silencer
- Inlet filter
- Automated vacuum safety valve
- OmniControl control device
- EtherCAT converter
- Profinet converter
- Single-phase VSD version
- Single-phase VSD version with integrated pressure gauge
- Three-phase version for HiScroll 18
- C-Version - corrosive gas version

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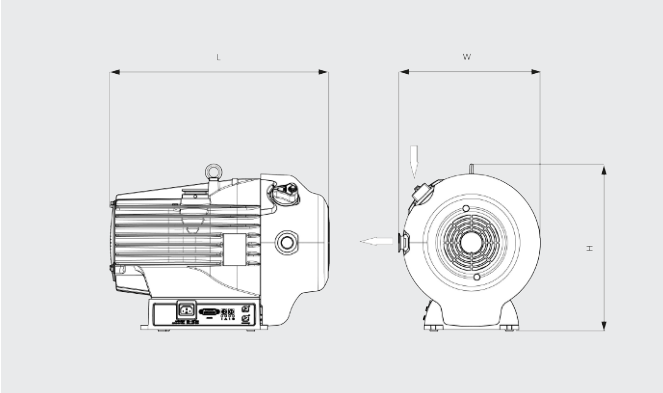
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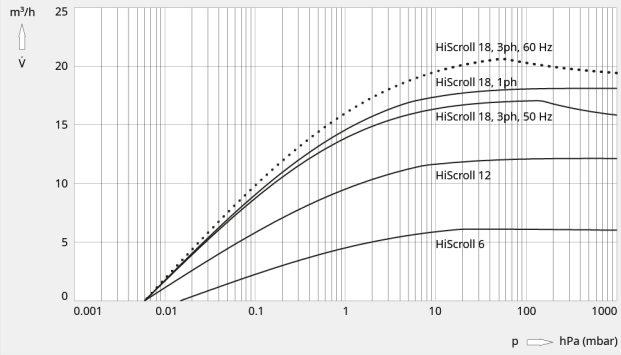
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Dimensional drawing



Pumping speed

Air at 20°C. Tolerance: ± 10% ___ 50 Hz ..... 60 Hz



	HiScroll 6	HiScroll 12	HiScroll 18
Pumping speed	6.1 m^3/h	12.1 m^3/h	18.1 m^3/h
Pumping speed in boost mode	7.2 m^3/h	14 m^3/h	21.5 m^3/h
Ultimate pressure (gas-ballast valve closed)	0.015 hPa(mbar)	0.006 hPa(mbar)	0.006 hPa(mbar)
Ultimate pressure (gas-ballast valve open stage 1)	0.07 hPa(mbar)	0.05 hPa(mbar)	0.05 hPa(mbar)
Ultimate pressure (gas-ballast valve open stage 2)	0.4 hPa(mbar)	0.4 hPa(mbar)	0.4 hPa(mbar)
Power consumption at ultimate pressure	165 W	190 W	235 W
Power consumption at standby speed	80 W	100 W	100 W
Motor speed	1000-3000 min^{-1}	624-1870 min^{-1}	624-1870 min^{-1}
Nominal motor speed	2500 min^{-1}	1560 min^{-1}	1560 min^{-1}
Sound pressure level (ISO 3744) accuracy grade 2	48 dB(A)	47 dB(A)	47 dB(A)
Weight approx.	19 kg	24 kg	23 kg
Dimensions (L x W x H)	380 x 220 x 257 mm	419 x 265 x 304 mm	419 x 265 x 304 mm
Gas inlet / outlet	DN 25 ISO-KF / DN 25 ISO-KF	DN 25 ISO-KF / DN 25 ISO-KF	DN 25 ISO-KF / DN 25 ISO-KF

DO YOU WANT TO KNOW MORE?

Get in touch with us directly!

CONTACT FORM

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