

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

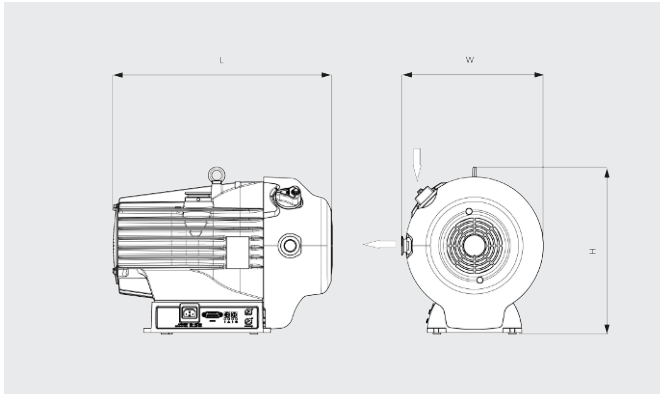
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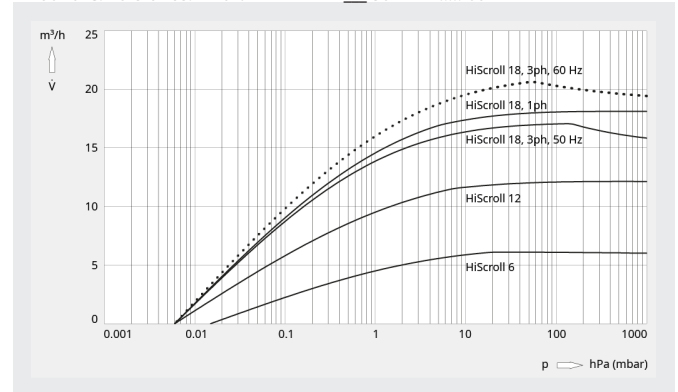
Dimensional drawing



Pumping speed

Air at 20°C. Tolerance: $\pm 10\%$

— 50 Hz 60 Hz



	HiScroll 6	HiScroll 12	HiScroll 18
Pumping speed	6.1 m³/h	12.1 m³/h	18.1 m³/h
Pumping speed in boost mode	7.2 m³/h	14 m³/h	21.5 m³/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

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