HiScroll 46

Scroll vacuum pump

PFEIFFER
VACUUM+FAB SOLUTIONS

Part of the BUSCH GROUP



High performance

Fastest pump-down time in its class, highly energy-efficient and powerful interior permanent magnet (IPM) synchronous motor generating less heat compared to conventional drives

Quiet

Sound pressure level less than 47 dB(A) in single-phase version

Compact

Smallest and lightest vacuum pump in its performance class, perfectly suited for applications in laboratories

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
- C-Version - corrosive gas version

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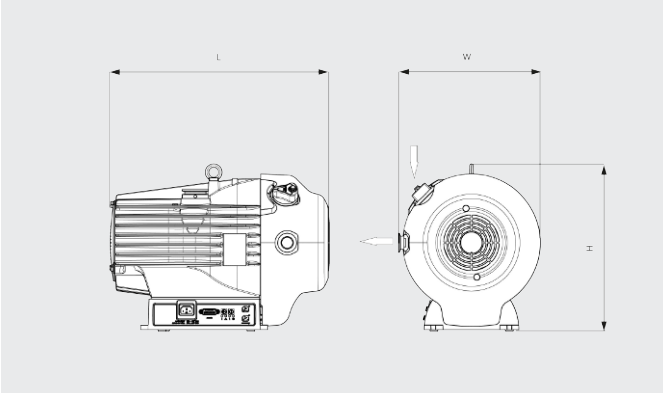
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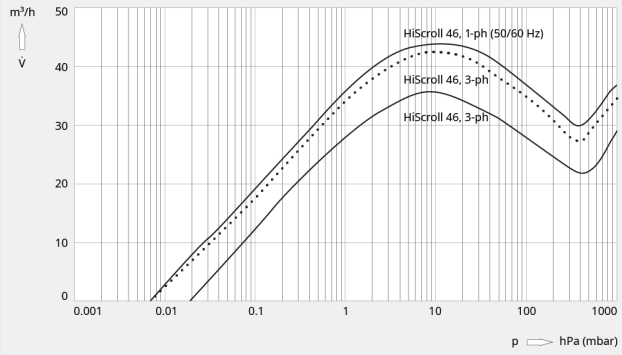
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Dimensional drawing



Pumping speed

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



	HiScroll 46
Pumping speed	43 m^3/h
Ultimate pressure (gas-ballast valve closed)	0.007 hPa(mbar)
Ultimate pressure (gas-ballast valve open stage 1)	≤0.03 hPa(mbar)
Ultimate pressure (gas-ballast valve open stage 2)	≤0.2 hPa(mbar)
Power consumption at ultimate pressure	295 W
Motor speed	720-1800 min^{-1}
Nominal motor speed	1800 min^{-1}
Sound pressure level (ISO 3744) accuracy grade 2	≤47 dB(A)
Weight approx.	32 kg
Dimensions (L x W x H)	463 x 299 x 334 mm
Gas inlet / outlet	DN 40 ISO-KF / DN 25 ISO-KF

DO YOU WANT TO KNOW MORE?

Get in touch with us directly!

CONTACT FORM

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