

HiScroll 46

Scroll vacuum pump

PFEIFFER 
VACUUM + FAB SOLUTIONS



High performance

Fastest pump-down time in its performance class, sets new standards in terms of efficiency

Extremely quiet

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

Compact and lightweight

Smallest and lightest vacuum pump in its size, more than 10 kg less compared to other models

Accessories, spare parts and options

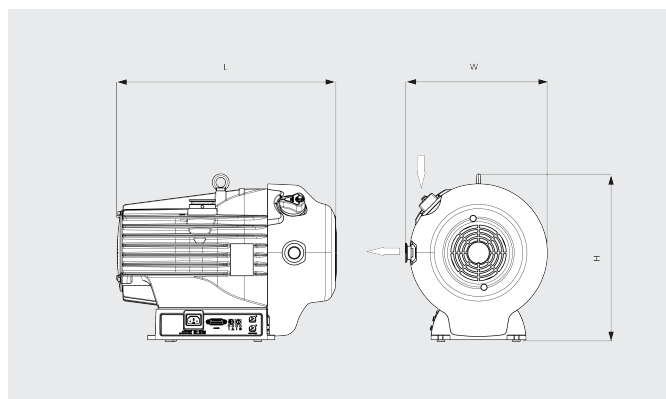
- Tip seal replacement kit
- Tip seal and bearing replacement kit
- Gas-ballast kit
- Bellow kit
- Cover kit
- Electronics kit
- Exhaust silencer
- Inlet filter
- Automated vacuum safety valve
- OmniControl control device
- EtherCAT converter
- Profinet converter
- Single-phase VSD version
- Single-phase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

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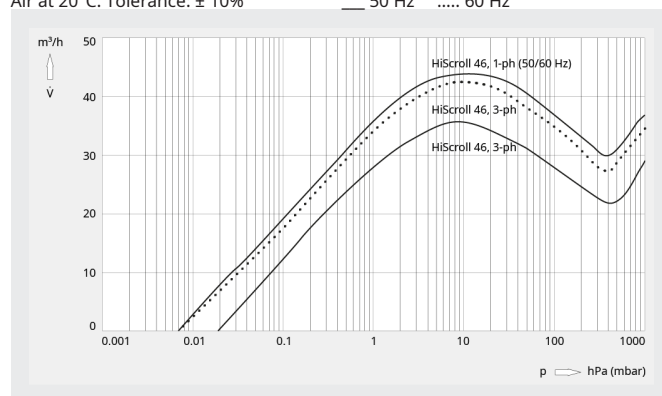
Dimensional drawing



Pumping speed

Air at 20°C. Tolerance: $\pm 10\%$

— 50 Hz 60 Hz



| HiScroll 46 | |
|--|-----------------------------|
| Pumping speed | 43 m³/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