

# DuoVane 6-22

Two-stage oil-lubricated rotary vane vacuum pumps

**PFEIFFER**   
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## High performance

Best pumping-speed-to-size-ratio in its class, fast pump-down from atmospheric pressure

## Efficient

Lowest power consumption in its performance class, nearly maintenance-free

## Reliable

Integrated gas-ballast valve and optimized vacuum safety valve

Accessories, spare parts and options

- Vane spring kit
- Sight glass kit
- Valve and spring kit
- Seal kit
- Shaft seal ring
- Diaphragm kit
- Gas-ballast valve kit
- Overhaul kit
- Oil mist separator
- Dust separator
- Sorption trap
- Cold trap
- C-Version - corrosive gas version (to be released in 2025)
- Single-phase motor
- Three-phase motor
- Vacuum pump oil

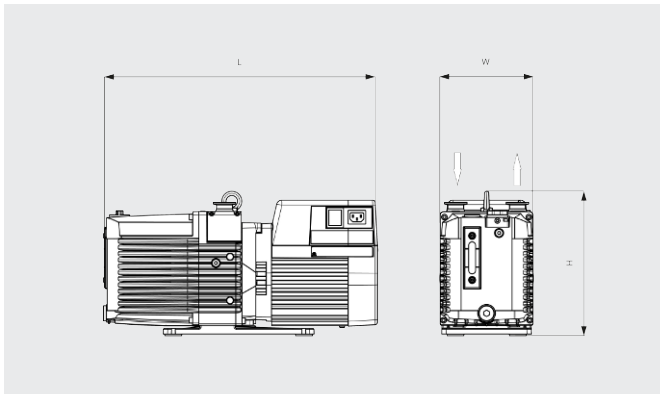
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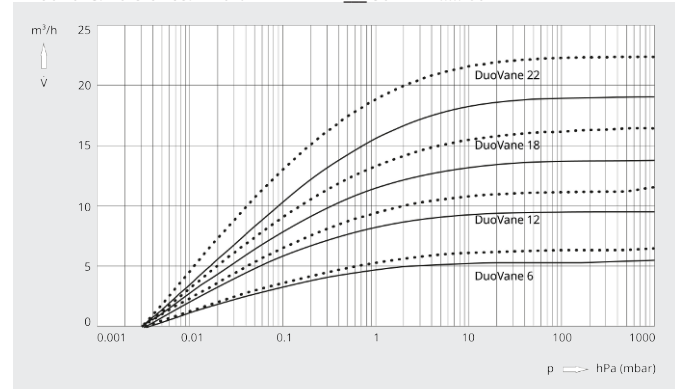
Dimensional drawing



Pumping speed

Air at 20°C. Tolerance:  $\pm 10\%$

— 50 Hz ..... 60 Hz



|                                              | DuoVane 6                                | DuoVane 12                               | DuoVane 18                               | DuoVane 22                               |
|----------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|
| Nominal pumping speed                        | 5.5 / 6.5 m³/h (50/60 Hz)                | 9.5 / 11.8 m³/h (50/60 Hz)               | 14 / 16.9 m³/h (50/60 Hz)                | 19.5 / 22.5 m³/h (50/60 Hz)              |
| Ultimate pressure (gas-ballast valve closed) | $3 \cdot 10^{-3}$ hPa(mbar)              | $3 \cdot 10^{-3}$ hPa(mbar)              | $3 \cdot 10^{-3}$ hPa(mbar)              | $3 \cdot 10^{-3}$ hPa(mbar)              |
| Ultimate pressure (gas-ballast valve open)   | $1 \cdot 10^{-2}$ hPa(mbar)              | $1 \cdot 10^{-2}$ hPa(mbar)              | $1 \cdot 10^{-2}$ hPa(mbar)              | $1 \cdot 10^{-2}$ hPa(mbar)              |
| Motor phase                                  | Single-phase / Three-phase               | Single-phase / Three-phase               | Single-phase / Three-phase               | Single-phase / Three-phase               |
| Nominal motor rating                         | 0.45 / 0.55 kW (50/60 Hz)                | 0.45 / 0.55 kW (50/60 Hz)                | 0.55 / 0.66 kW (50/60 Hz)                | 0.55 / 0.66 kW (50/60 Hz)                |
| Nominal motor speed                          | 1500 / 1800 min <sup>-1</sup> (50/60 Hz) | 1500 / 1800 min <sup>-1</sup> (50/60 Hz) | 1500 / 1800 min <sup>-1</sup> (50/60 Hz) | 1500 / 1800 min <sup>-1</sup> (50/60 Hz) |
| Noise level (50 Hz)                          | 50 dB(A)                                 | 50 dB(A)                                 | 52 dB(A)                                 | 52 dB(A)                                 |
| Oil capacity                                 | 1.1 l                                    | 1.2 l                                    | 1.3 l                                    | 1.3 l                                    |
| Weight approx.                               | 25.5 kg                                  | 27.5 kg                                  | 31 kg                                    | 32 kg                                    |
| Dimensions (L x W x H)                       | 413 x 164 x 237 mm                       | 428 x 164 x 237 mm                       | 465 x 164 x 237 mm                       | 483 x 164 x 237 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              | DN 25 ISO-KF / DN 25 ISO-KF              |

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