

DuoVane 6-22

Two-stage rotary vane vacuum pumps

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VACUUM + FAB SOLUTIONS



High performance

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

Economical

Lowest power consumption in its performance class

Flexible

Integrated gas-ballast valve and optimized vacuum safety valve

Accessories, spare parts and options

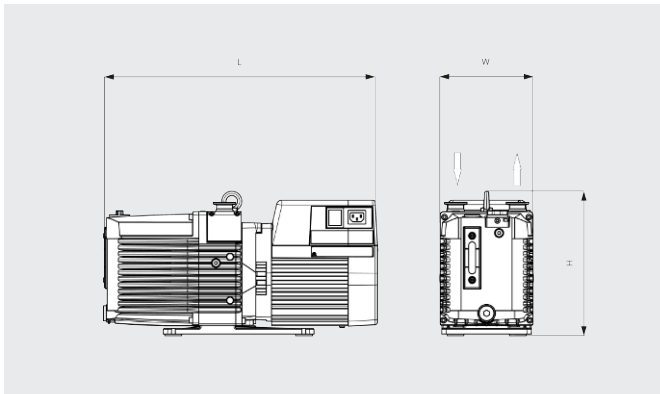
- Vane springs kit
- Sight glass kit
- Valves and springs kit
- Seals kit
- Shaft seal ring kit
- Diaphragm kit
- Gas-ballast valve kit
- Overhaul kit
- Oil mist separator
- Dust separator
- Sorption trap
- Cold trap
- C-Version - corrosive gas version (to be released in 2025)
- Single-phase motor
-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

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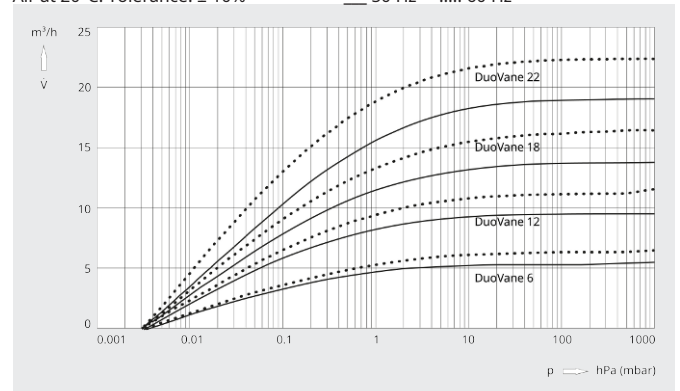
Dimensional drawing



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 ⁻¹ (50/60 Hz)	1500 / 1800 min ⁻¹ (50/60 Hz)	1500 / 1800 min ⁻¹ (50/60 Hz)	1500 / 1800 min ⁻¹ (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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