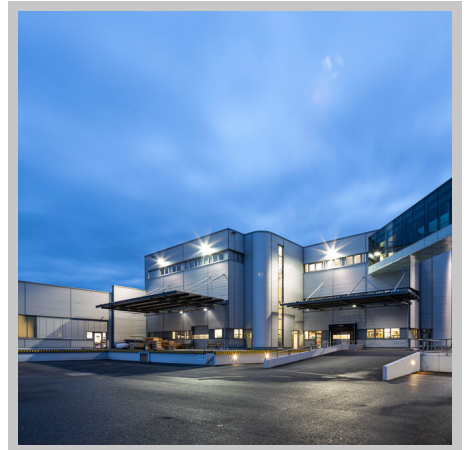
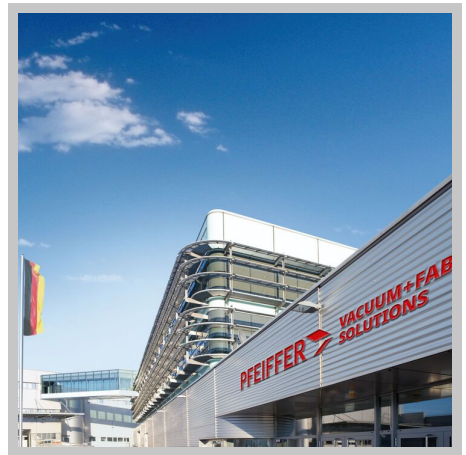




DuoVane 3, 1-phase motor, 100 – 115/200 – 230 V, 50/60 Hz



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DuoVane 3

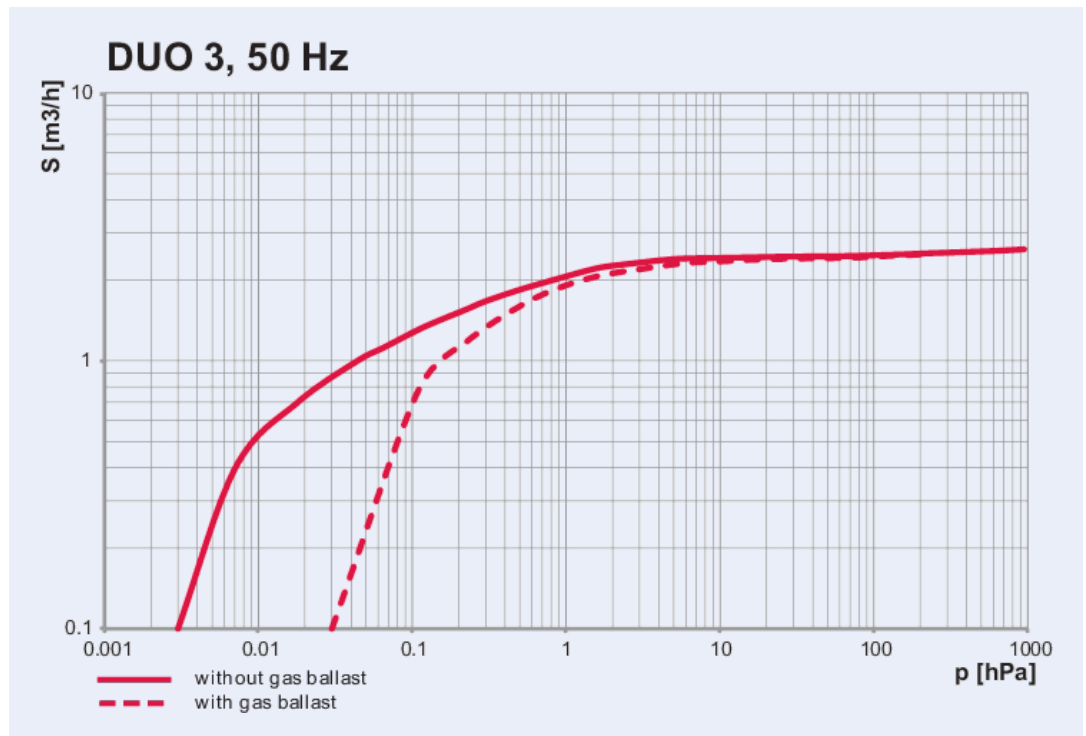


Illustration only

DuoVane 3, 1-phase motor, 100 – 115/200 – 230 V, 50/60 Hz

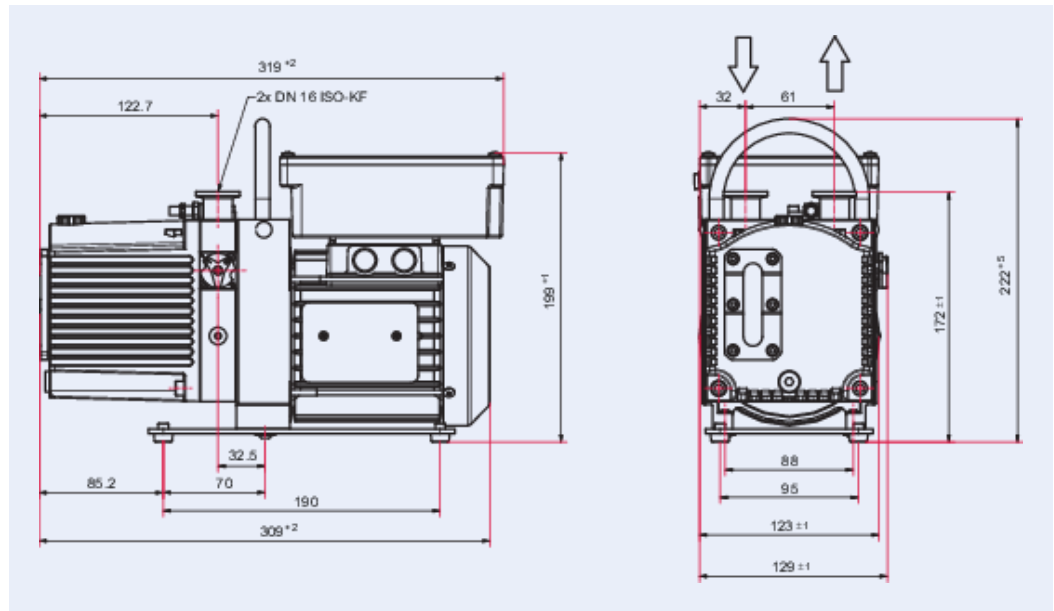
- Dual-stage, high-performance rotary vane pump with a pumping speed of 2.5 m³/h at 50 Hz / 2.9 m³/h at 60 Hz
- With 1-phase motor IE 2, with C14 plug inside terminal box
- Integrated gas ballast and safety valve
- OME oil return device is included with the pump
- For all low and medium vacuum applications
- Special feature: Various motor voltages for worldwide employment
- Other motor voltages available on request

Characteristics



DuoVane 3

Dimensions



DuoVane 3

Technical Data	DuoVane 3, 1-phase motor, 100 – 115/200 – 230 V, 50/60 Hz
Gas ballast	Yes
Operating fluid	P3
Cooling method	Air (Forced convection)
Motor type	1-phase motor
Recommended on-site electric fuse protection	6 A
Ambient temperature	12 – 40 °C
Temperature: Storage, max	55 °C
Temperature: Storage, min	-25 °C
Input voltage(s)	100 – 115 / 200 – 230 V AC (±5 %), 50/60 Hz
Ultimate pressure with gas ballast	$3 \cdot 10^{-2}$ hPa $2.25 \cdot 10^{-2}$ Torr $3 \cdot 10^{-2}$ mbar
Gas ballast pressure	1,500 hPa 1,125 Torr 1,500 mbar
Leakage rate safety valve	$1 \cdot 10^{-5}$ Pa m ³ /s $7.5 \cdot 10^{-5}$ Torr l/s $1 \cdot 10^{-4}$ mbar l/s
Continuous gas input temperature, max.	40 °C 104 °F 313.2 K
Exhaust pressure, max.	1,500 hPa 1,125 Torr 1,500 mbar
Gas ballast flow	540 l/h
Water vapor tolerance at 60 Hz	80 hPa 60 Torr 80 mbar
Water vapor tolerance at 50 Hz	65 hPa 48.8 Torr 65 mbar
Rotation speed at 60 Hz	3,600 rpm $3,600 \text{ min}^{-1}$
Rotation speed at 50 Hz	3,000 rpm $3,000 \text{ min}^{-1}$
Pumping speed at 60 Hz	2.9 m ³ /h 1.71 cfm 48.33 l/min
Pumping speed at 50 Hz	2.5 m ³ /h 1.4715 cfm 41.6675 l/min
Switch	Yes
Exhaust pressure, max.	1,500 hPa
Gas ballast flow	540 l/h
Gas ballast pressure	1,500 hPa
Motor protection	Bimetal
Water vapor capacity 60 Hz	175 g/h
Water vapor capacity 50 Hz	115 g/h
Mains cable	No, C14-plug inside the terminal box
Rated power 50 Hz	0.15 kW
Rated power 60 Hz	0.18 kW
Final pressure with gas ballast	$3 \cdot 10^{-2}$ hPa
Dimensions (L x W x H)	319 x 130 x 199 mm
Number of pumping stages	Two stage

DuoVane 3

Rotation speed at 50 Hz	3,000 rpm
Operating fluid amount	0.4 l
Exhaust pressure, min.	Atmospheric pressure
Weight	10.5 kg
Pumping speed at 60 Hz	2.9 m³/h
Pumping speed at 50 Hz	2.5 m³/h
Connection flange (in)	DN 16 ISO-KF
Connection flange (out)	DN 16 ISO-KF

Order number	DuoVane 3, 1-phase motor, 100 – 115/200 – 230 V, 50/60 Hz
DuoVane 3, 1-phase motor, 100 – 115/200 – 230 V, 50/60 Hz	PK D570 010 C0 B



Errors and/or changes excepted. - 9/30/2025

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