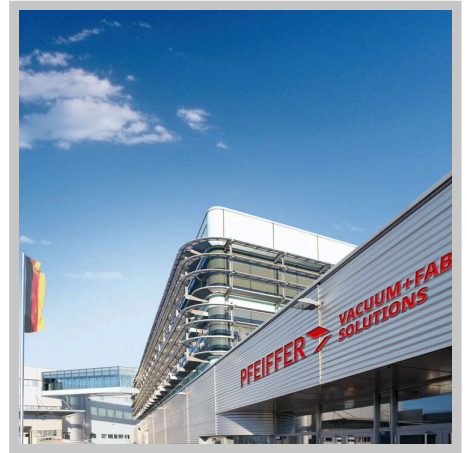




**DuoVane 1.6, single-
phase motor, 115 – 230
V, 50/60 Hz**



PFEIFFER

DuoVane 1.6

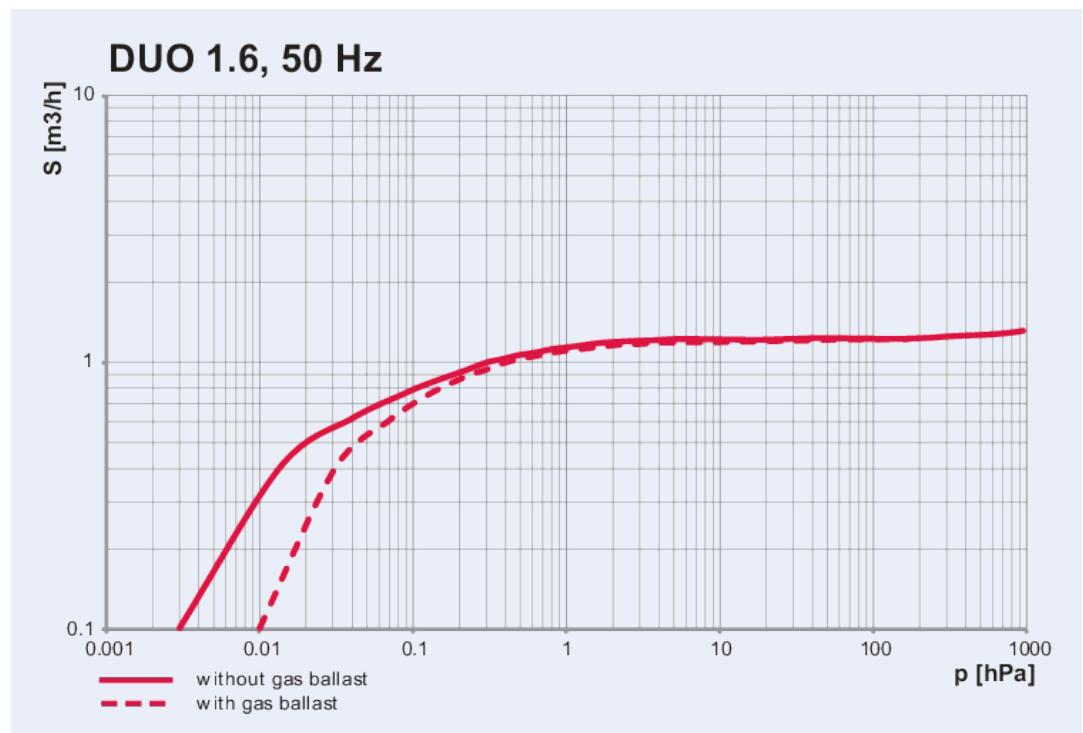


Illustration only

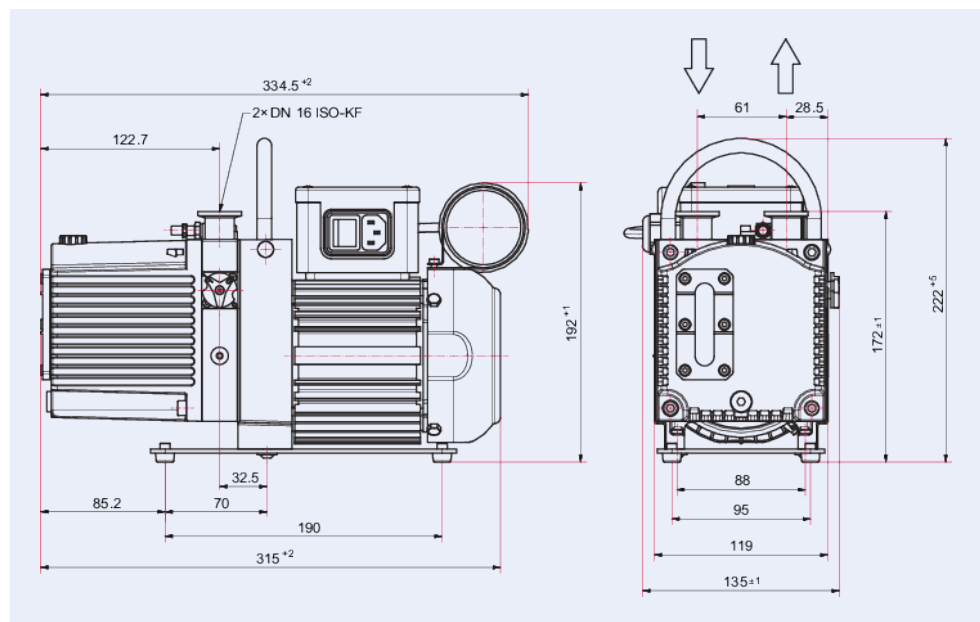
DuoVane 1.6, single-phase motor, 115 – 230 V, 50/60 Hz

- Dual-stage, high-performance rotary vane pump with a pumping speed of 1.25 m³/h at 50 Hz / 1.50 m³/h at 60 Hz
- With 1-phase motor with C14 connector plug inside the 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

Characteristics



Dimensions



Technical Data	DuoVane 1.6, single-phase motor, 115 – 230 V, 50/60 Hz
Gas ballast	Yes
Operating fluid	P3
Cooling method	Air (Forced convection)
Motor type	1-phase motor
Vacuum range min	$1 \cdot 10^{-2}$ hPa
Vacuum range max	$3 \cdot 10^{-3}$ hPa
Recommended on-site electric fuse protection	6 / 4 A
Ambient temperature	12 – 40 °C
Certification	CE cTUVus certified according to UL / CSA 61010-1
Input voltage(s)	115 / 230 V AC ($\pm 10\%$), 50/60 Hz
Ultimate pressure with gas ballast	$1 \cdot 10^{-2}$ hPa $7.5 \cdot 10^{-3}$ Torr $1 \cdot 10^{-2}$ 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	180 l/h
Water vapor tolerance at 60 Hz	15 hPa 11.3 Torr 15 mbar
Water vapor tolerance at 50 Hz	15 hPa 11.3 Torr 15 mbar
Rotation speed at 60 Hz	1,800 rpm 1,800 min ⁻¹
Rotation speed at 50 Hz	1,500 rpm 1,500 min ⁻¹
Weight approx.	10.8 kg 23.81 lb
Pumping speed at 60 Hz	1.5 m ³ /h 0.88 cfm 25 l/min
Pumping speed at 50 Hz	1.25 m ³ /h 0.73575 cfm 20.83375 l/min
Switch	Yes
Motor protection	Bimetal
Water vapor capacity 60 Hz	20 g/h
Water vapor capacity 50 Hz	15 g/h
Mains cable	No, C14-plug inside the terminal box
Rated power 50 Hz	0.075 kW
Rated power 60 Hz	0.09 kW
Dimensions (L x W x H)	355 x 136 x 192 mm
Number of pumping stages	Two stage
Operating fluid amount	0.4 l
Exhaust pressure, min.	Atmospheric pressure
Connection flange (in)	DN 16 ISO-KF
Connection flange (out)	DN 16 ISO-KF

Order number	DuoVane 1.6, single-phase motor, 115 – 230 V, 50/60 Hz
DuoVane 1.6, single-phase motor, 115 – 230 V, 50/60 Hz	PK D56 711

Accessories	DuoVane 1.6, single-phase motor, 115 – 230 V, 50/60 Hz
Overhaul kit for DUO 1.6 (PK D56 ...)	PK E02 070 CT



Errors and/or changes excepted. - 4/10/2025

Are you looking for an optimum vacuum solution?

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