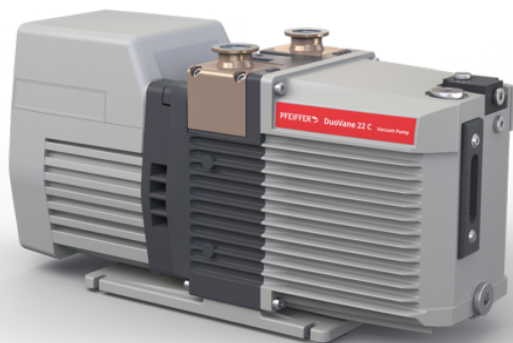




**DuoVane 12 C, 3-phase
motor, 200-
220/240/380-415 V,
50 Hz | 200-
220/280/380-480 V,
60 Hz, Bimetal**



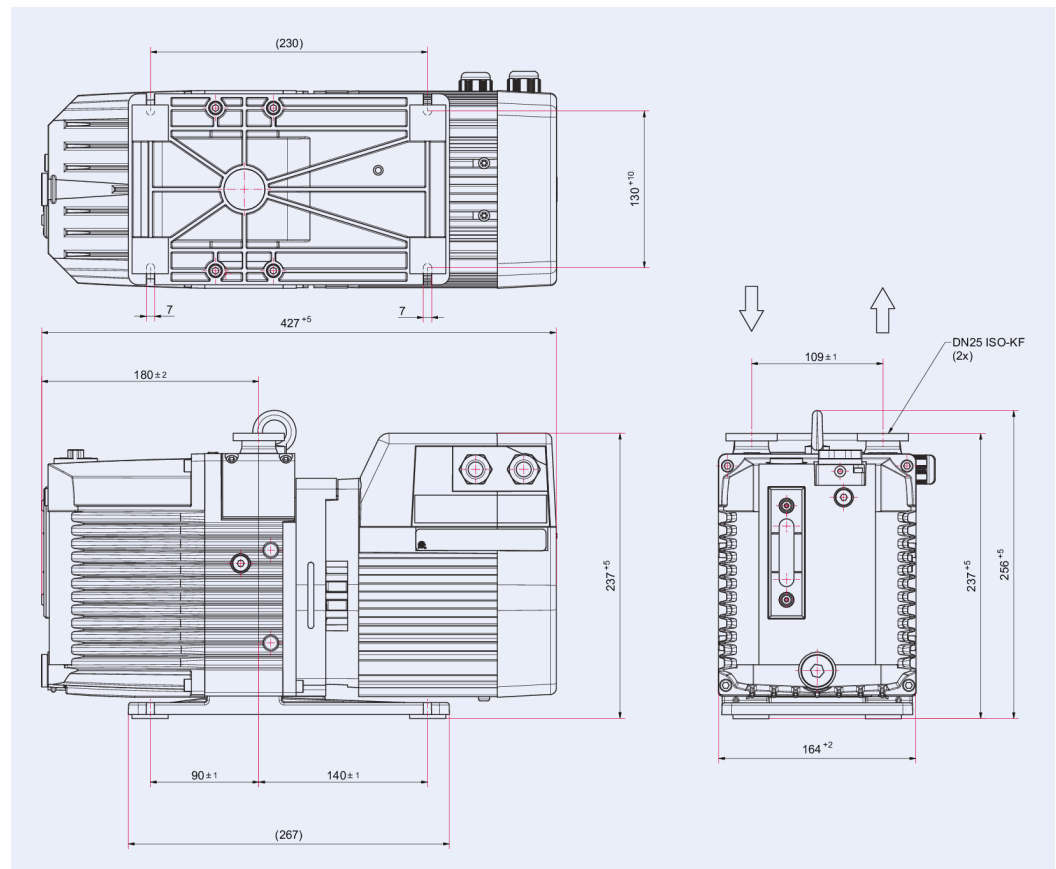


Illustration only

DuoVane 12 C, 3-phase motor, 200-220/240/380-415 V, 50 Hz | 200-220/280/380-480 V, 60 Hz, Bimetal

- Dual-stage, high-performance rotary vane pump with a pumping speed up to 12 m³/h
- Corrosive gas version, with 3-phase motor
- With temperature sensor (Bimetal) for optimum motor protection
- Integrated gas ballast and HV safety valve
- For all low and medium vacuum applications
- Special feature: Various motor voltages for worldwide employment

Dimensions



DuoVane 12 C

Technical Data	DuoVane 12 C, 3-phase motor, 200-220/240/380-415 V, 50 Hz 200-220/280/380-480 V, 60 Hz, Bimetal
Gas ballast	Yes
Operating fluid	F4
Cooling method	Air (Forced convection)
Motor type	3-phase motor
Motor for region	Worldwide
Vacuum range min	$1 \cdot 10^{-2}$ hPa
Vacuum range max	$3 \cdot 10^{-3}$ hPa
Ambient temperature	12 – 40 °C
Temperature: Storage, max	55 °C
Temperature: Storage, min	-25 °C
Certification	CE
Input voltage(s)	200 – 220 / 240 / 380 – 415 V AC, 50 Hz 200 – 220 / 280 / 380 – 480 V AC (±5 %), 60 Hz
Ultimate pressure with gas ballast	$1 \cdot 10^{-2}$ hPa $7.5 \cdot 10^{-3}$ Torr $1 \cdot 10^{-2}$ 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
Operating altitude, max.	2,000 m
Continuous inlet pressure, max.	50 hPa 37.5 Torr 50 mbar
Rotation speed at 60 Hz	1,800 rpm $1,800 \text{ min}^{-1}$
Rotation speed at 50 Hz	1,500 rpm $1,500 \text{ min}^{-1}$
Pumping speed at 60 Hz	11.8 m ³ /h 6.95 cfm 196.67 l/min
Pumping speed at 50 Hz	9.5 m ³ /h 5.5917 cfm 158.3365 l/min
Switch	No
Exhaust pressure, max.	1,500 hPa
Motor protection	Bimetal
Mains cable	No
Rated power 50 Hz	0.55 kW
Rated power 60 Hz	0.66 kW
Final pressure with gas ballast	$1 \cdot 10^{-2}$ hPa
Dimensions (L x W x H)	432 x 166 x 239 mm
Continuous inlet pressure, max.	50 hPa
Number of pumping stages	Two stage
Connection flange	DN 25 ISO-KF / DN 25 ISO-KF

DuoVane 12 C

Rotation speed at 60 Hz	1,800 rpm
Rotation speed at 50 Hz	1,500 rpm
Operating fluid amount	1.2 l
Exhaust pressure, min.	Atmospheric pressure
Weight	27 kg
Pumping speed at 60 Hz	11.8 m ³ /h
Pumping speed at 50 Hz	9.5 m ³ /h
Connection flange (in)	DN 25 ISO-KF
Connection flange (out)	DN 25 ISO-KF

Order number	DuoVane 12 C, 3-phase motor, 200–220/240/380–415 V, 50 Hz 200–220/280/380–480 V, 60 Hz, Bimetal
DuoVane 12 C, 3-phase motor, 200–220/240/380–415 V, 50 Hz 200–220/280/380–480 V, 60 Hz, Bimetal	2000280719

Accessories	DuoVane 12 C, 3-phase motor, 200–220/240/380–415 V, 50 Hz 200–220/280/380–480 V, 60 Hz, Bimetal
Valves and springs for DuoVane 10	2000116200
Seal kit for DuoVane 10	2000116186
Service Kit 3 for DuoVane 12 C	
Diaphragm HV valve for DuoVane 5 - 20	2000116202
Rotary shaft seal for DuoVane 5 - 20	2000116203
Sight glass for DuoVane 5 - 20	2000116210
Vane DuoVane 12 C	
Oil drain plug for DuoVane 6 – 22	
Gas ballast orifice for DuoVane 12 C – 22 C	



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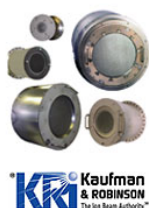
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