



**DuoVane 18, 3-phase
motor, 200-
220/240/380-415 V,
50 Hz | 200-
220/280/380-480 V,
60 Hz, Bimetal**



PFEIFFER ➤

DuoVane 18

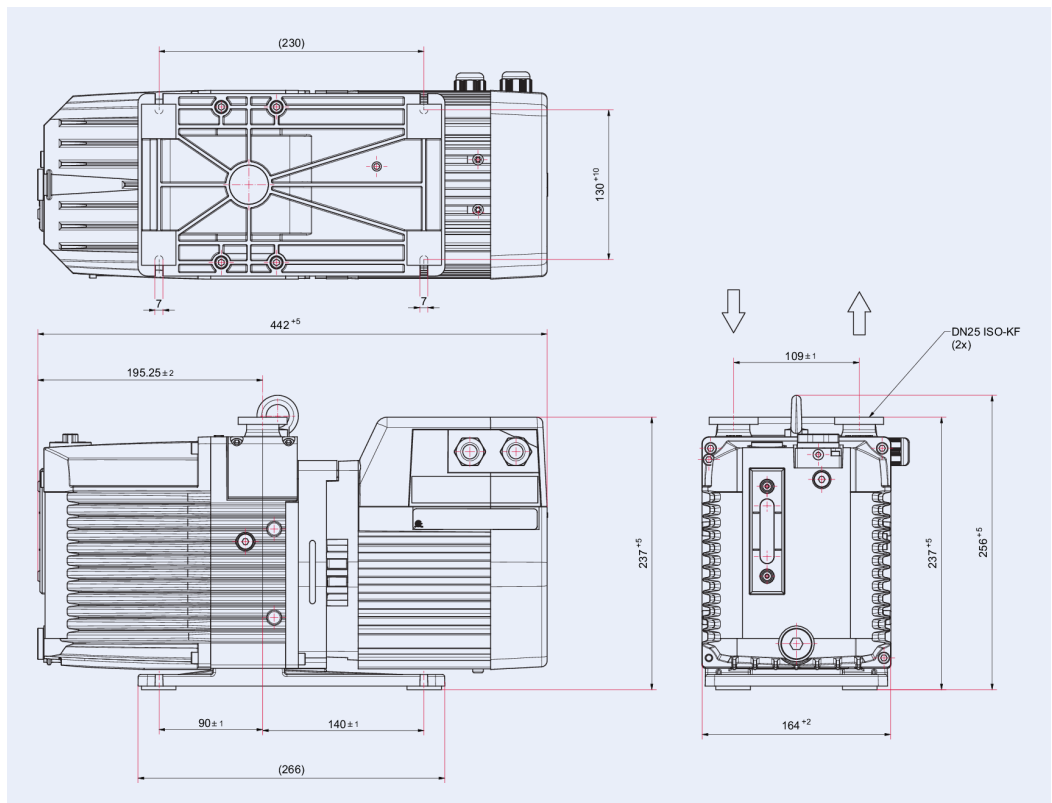


Illustration only

DuoVane 18, 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 17 m³/h
- 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 18

Technical Data

DuoVane 18, 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	P3
Cooling method	Air (Forced convection)
Motor type	3-phase motor
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 min ⁻¹
Rotation speed at 50 Hz	1,500 rpm 1,500 min ⁻¹
Pumping speed at 60 Hz	16.9 m ³ /h 9.95 cfm 281.67 l/min
Pumping speed at 50 Hz	14 m ³ /h 8.2404 cfm 233.338 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)	454 x 166 x 238 mm
Continuous inlet pressure, max.	50 hPa
Number of pumping stages	Two stage
Rotation speed at 60 Hz	1,800 rpm
Rotation speed at 50 Hz	1,500 rpm

DuoVane 18

Operating fluid amount	1.3 l
Exhaust pressure, min.	Atmospheric pressure
Weight	28 kg
Pumping speed at 60 Hz	16.9 m³/h
Pumping speed at 50 Hz	14 m³/h
Connection flange (in)	DN 25 ISO-KF
Connection flange (out)	DN 25 ISO-KF

Order number	DuoVane 18, 3-phase motor, 200-220/240/380-415 V, 50 Hz 200-220/280/380-480 V, 60 Hz, Bimetal
DuoVane 18, 3-phase motor, 200-220/240/380-415 V, 50 Hz 200-220/280/380-480 V, 60 Hz, Bimetal	PK D930 020 14

Accessories	DuoVane 18, 3-phase motor, 200-220/240/380-415 V, 50 Hz 200-220/280/380-480 V, 60 Hz, Bimetal
Seal kit for DuoVane 15	PK E30 201 -T
Maintenance kit 1 for DuoVane 5 - 20	PK E31 200 -T
Maintenance kit 2 for DuoVane 15	PK E31 211 -T
Maintenance kit 3 for DuoVane 15	PK E32 201 -T
Valves and springs for DuoVane 15	PK E34 201 -T
Diaphragm HV valve for DuoVane 5 - 20	PK E34 210 -T
Rotary shaft seal for DuoVane 5 - 20	PK E36 200 -T
Gate valve DuoVane 15	PK E38 201 -T
P3 operating fluids for DuoVane 6 - 22	PK E39 200 -T
Gas ballast valve for DuoVane 5 - 20	PK E39 205 -T
Sight glass for DuoVane 5 - 20	PK E39 206 -T



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

Are you looking for an optimum vacuum solution?

Talk to us:
Pfeiffer Vacuum GmbH
Germany
T +49 6441 802-0

Or scan the barcode, to visit our web page:



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