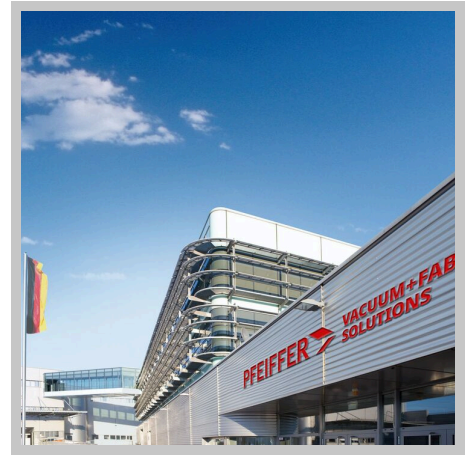




**DuoVane 36 M, 3-phase
motor, PTC, 230/400 V,
50 Hz | 265/460 V, 60 Hz**



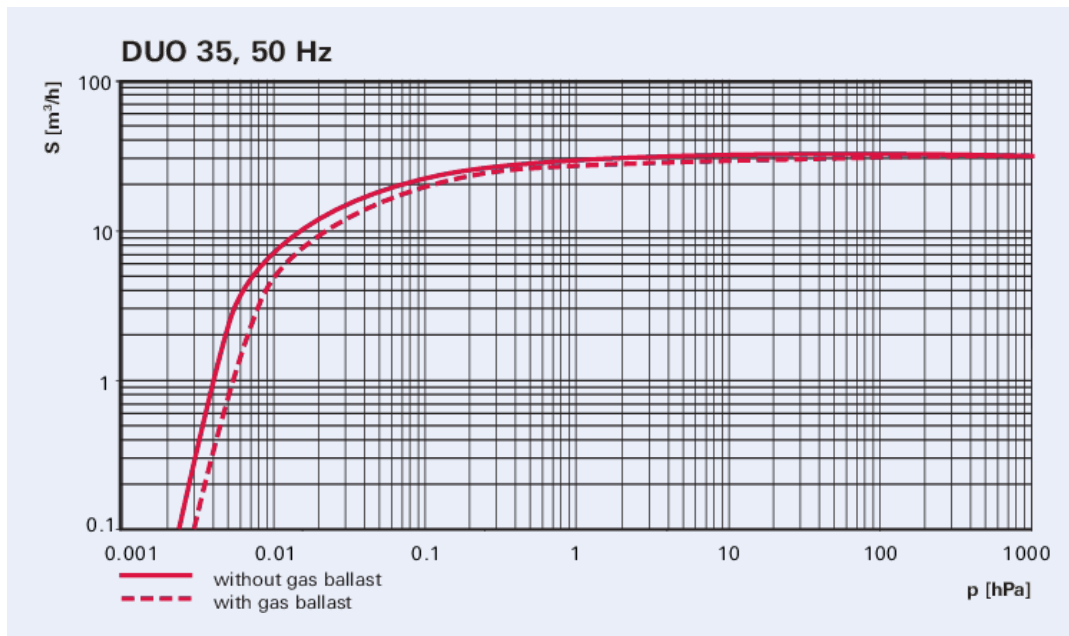


Illustration only

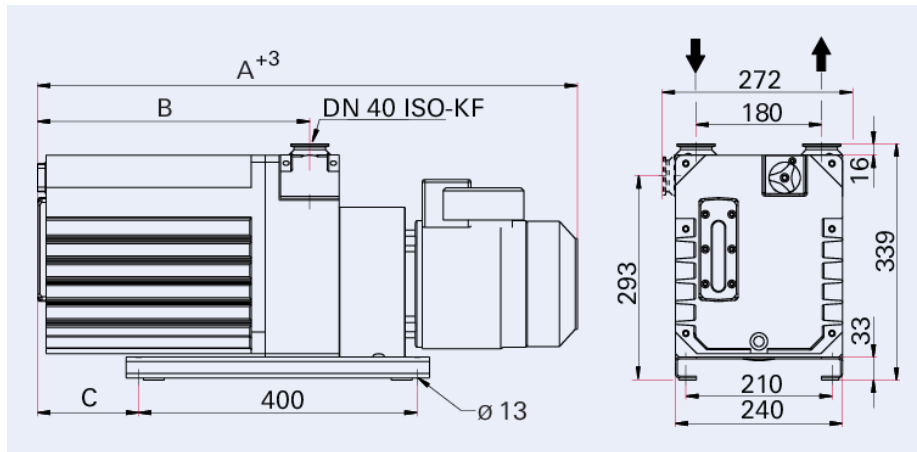
DuoVane 36 M, 3-phase motor, PTC, 230/400 V, 50 Hz | 265/460 V, 60 Hz

- Dual-stage, high-performance rotary vane pump with a pumping speed up to 36 m³/h
- With 3-phase motor
- With temperature sensor (PTC) for optimum motor protection
- Integrated gas ballast and HV safety valve
- For all low and medium vacuum applications
- Magnetically coupled
- Special feature: Various motor voltages for worldwide employment
- Other motor voltages available on request

Characteristics



Dimensions



A	691 mm
B	312 mm
C	66 mm

Technical Data	DuoVane 36 M, 3-phase motor, PTC, 230/400 V, 50 Hz 265/460 V, 60 Hz
Gas ballast	Yes
Operating fluid	P3
Cooling method	Air (Forced convection)
Motor type	3-phase motor
Magnetic coupling	Yes
Ambient temperature	12 – 40 °C
Temperature: Storage, max	55 °C
Temperature: Storage, min	-25 °C
Input voltage(s)	230 / 400 V AC, 50 Hz 265 / 460 V AC (±5 %), 60 Hz
Ultimate pressure with gas ballast	$3 \cdot 10^{-3}$ hPa $2.25 \cdot 10^{-3}$ Torr $3 \cdot 10^{-3}$ 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
Exhaust pressure, min.	250 hPa 187.5 Torr 250 mbar
Exhaust pressure, max.	1,500 hPa 1,125 Torr 1,500 mbar
Gas ballast flow	2,070 l/h
Water vapor tolerance at 60 Hz	10 hPa 7.5 Torr 10 mbar
Water vapor tolerance at 50 Hz	9.5 hPa 7.1 Torr 9.5 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	36 m ³ /h 21.19 cfm 600.01 l/min
Pumping speed at 50 Hz	32 m ³ /h 18.8352 cfm 533.344 l/min
Switch	No
Exhaust pressure, min.	250 hPa
Exhaust pressure, max.	1,500 hPa
Gas ballast flow	2,070 l/h
Gas ballast pressure	1,500 hPa
Motor protection	PTC
Water vapor capacity 60 Hz	270 g/h
Water vapor capacity 50 Hz	210 g/h
Mains cable	No
Rated power 50 Hz	1.1 kW
Rated power 60 Hz	1.3 kW
Final pressure with gas ballast	$3 \cdot 10^{-3}$ hPa
Dimensions (L x W x H)	694 x 240 x 340 mm

Rotation speed at 60 Hz	1,800 rpm
Rotation speed at 50 Hz	1,500 rpm
Operating fluid amount	3.2 l
Weight	70 kg
Motor seal	Hermetic sealing
Motor coupling	Magnet coupling
Pumping speed at 60 Hz	36 m³/h
Pumping speed at 50 Hz	32 m³/h
Connection flange (in)	DN 40 ISO-KF
Connection flange (out)	DN 40 ISO-KF

Order number	DuoVane 36 M, 3-phase motor, PTC, 230/400 V, 50 Hz 265/460 V, 60 Hz
DuoVane 36 M, 3-phase motor, PTC, 230/400 V, 50 Hz 265/460 V, 60 Hz	PK D45 028 F

Accessories	DuoVane 36 M, 3-phase motor, PTC, 230/400 V, 50 Hz 265/460 V, 60 Hz
Set of seals for UNO/DUO 35/65 Standard, M, MC	PK E20 001 -T
Maintenance kit for UNO / DUO 35/65 M/ MC	PK E21 002 -T
Maintenance kit, level 1 for Uno/Duo 35/65 RWDR / M / C / MC	PK E21 005 -T
Overhaul kit for DUO 35 M	PK E22 010 -T
Pumping system for DUO 35 M tested with lubricant P3	PK E23 005 -T
HV valve kit for UNO/DUO 35/65	PK E24 001 -T
Pressure valve kit for UNO 35, DUO 35 / 35M	PK E25 001 -T
Coupling kit for UNO/DUO 35 M / 65 M	PK E26 002 -T
Set of vanes for DUO 35 / 35 M	PK E28 003 -T



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