



DUO 3

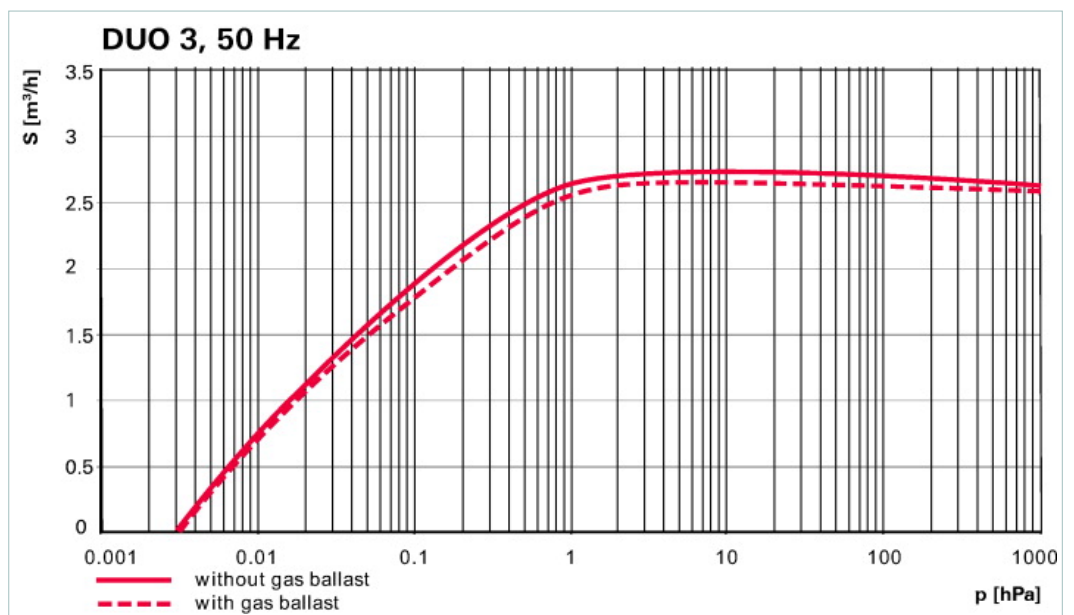
Dual-stage rotary vane pumps with a pumping speed up to 2.9 m³/h:



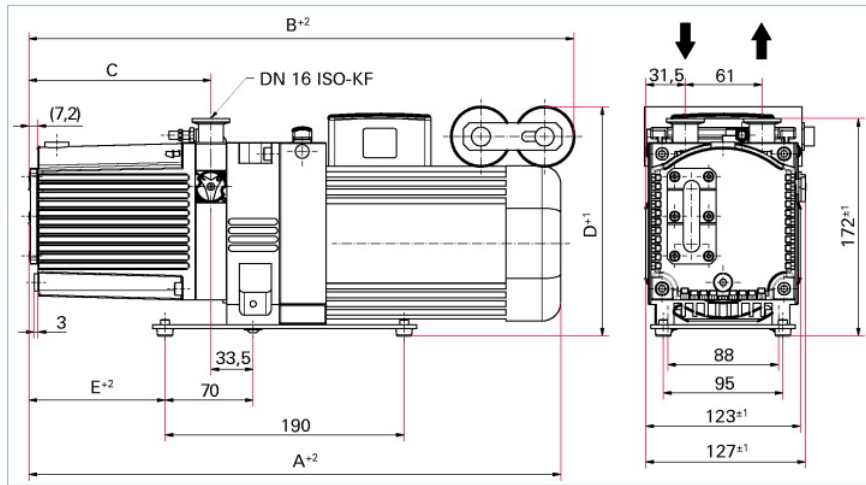
DUO 3 M, 1-phase motor, 115/230 V, 50/60 Hz

- 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 magnetic coupling
- With single-phase motor with C14 connector plug inside the terminal box
- Integrated gas ballast and safety valve
- Oil return device is included with the pump
- For all low and medium vacuum applications
- Special feature: various motor voltages for wide range of application fields

Characteristics



Dimensions



A	351 mm
B	386 mm
C	123 mm
D	176 mm
E	85.5 mm

Technical Data	DUO 3 M, 1-phase motor, 115/230 V, 50/60 Hz
Ambient temperature	12-40 °C 53.6-104 °F 285.15-313.15 °K
Cooling method, standard	Air
Emission sound pressure level without gas ballast at 50 Hz	<= 53 dB (A)
Exhaust pressure, max.	1,500 hPa 1,125 Torr 1,500 mbar
Exhaust pressure, min.	250 hPa 187.5 Torr 250 mbar
Flange (in)	DN 16 ISO-KF
Flange (out)	DN 16 ISO-KF
Leak rate safety valve	<= 1 · 10 ⁻⁵ Pa m ³ /s <= 7.5 · 10 ⁻⁵ Torr l/s <= 1 · 10 ⁻⁴ mbar l/s
Magnetic coupling	yes
Mains cable	No
Mains requirement: voltage (selectable)	230 V
Mains requirement: voltage 50 Hz	115 V
Mains requirement: voltage 60 Hz	115 V
Operating fluid	P3
Operating fluid filling	0.4 l
Protection category	IP 55
Pumping speed at 50 Hz	2.5 m ³ /h
Pumping speed at 60 Hz	2.9 m ³ /h
Rated power 50 Hz	0.15 kW
Rated power 60 Hz	0.18 kW
Rotation speed at 50 Hz	3000 min ⁻¹
Rotation speed at 60 Hz	3600 min ⁻¹
Switch	yes
Ultimate pressure with gas ballast	3 · 10 ⁻³ hPa 2.25 · 10 ⁻³ Torr 3 · 10 ⁻³ mbar
Ultimate pressure without gas ballast	3 · 10 ⁻³ hPa 2.25 · 10 ⁻³ Torr 3 · 10 ⁻³ mbar
Weight	12 kg 26.46 lb

Order number	
DUO 3	PKD57111

Accessories	
Accessories DuoLine™	
KAS 16, condensate separator for pumping speeds from 1.6 to 12 m ³ /h	PKZ10003
Oil return unit from ONF 16 M to DUO 1.6, 3	PK006080-T
Oil return unit from ONF 16 S to DUO 1.6 / DUO 3	PK005986-T
ONF 16 M, oil mist filter for pumping speeds of up to 12 m ³ /h	PKZ40003
ONF 16 S, oil mist filter for pumping speeds up to 12 m ³ /h	PKZ40001
Operations monitoring unit 1 for DUO 1.6/3/6/11 and DUO 5/10/20 M	PK196157-T
Operations monitoring unit 2 for DUO 1.6/3/6/11 and DUO 5/10/20 M	PK196142-T
Operations monitoring unit 3 for DUO 1.6/3/6/11 and DUO 5/10/20 M	PK196141-T
SAS 16, DN 16 ISO-KF, polyester filter	PKZ60506
ZFO 16, zeolite trap	PKZ70003
Consumables	
P3, mineral oil, 1 l	PK001106-T
P3, mineral oil, 0.5 l	PK001136-T

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