



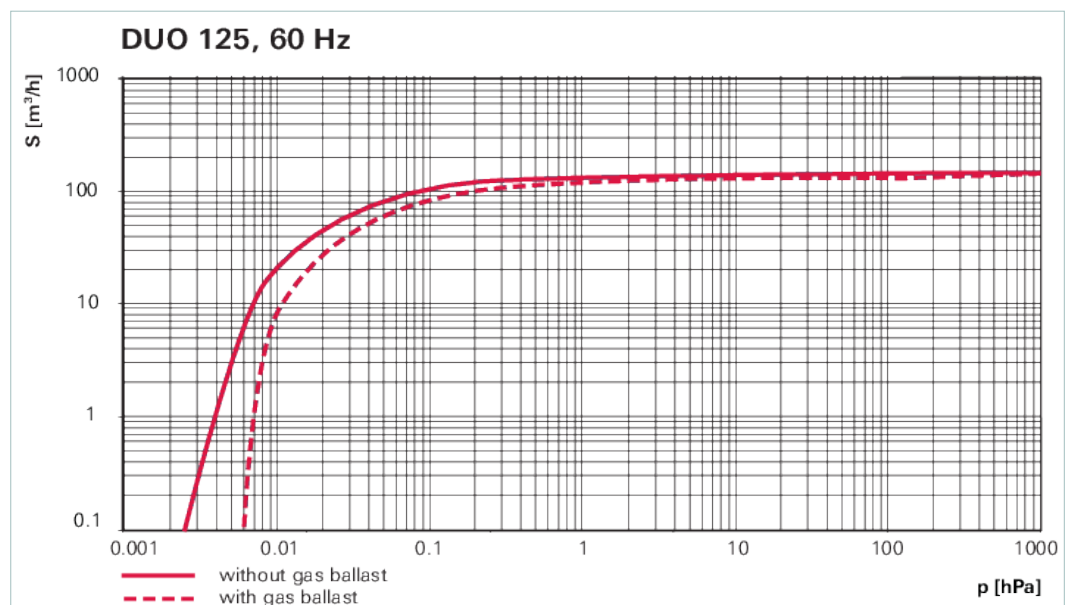
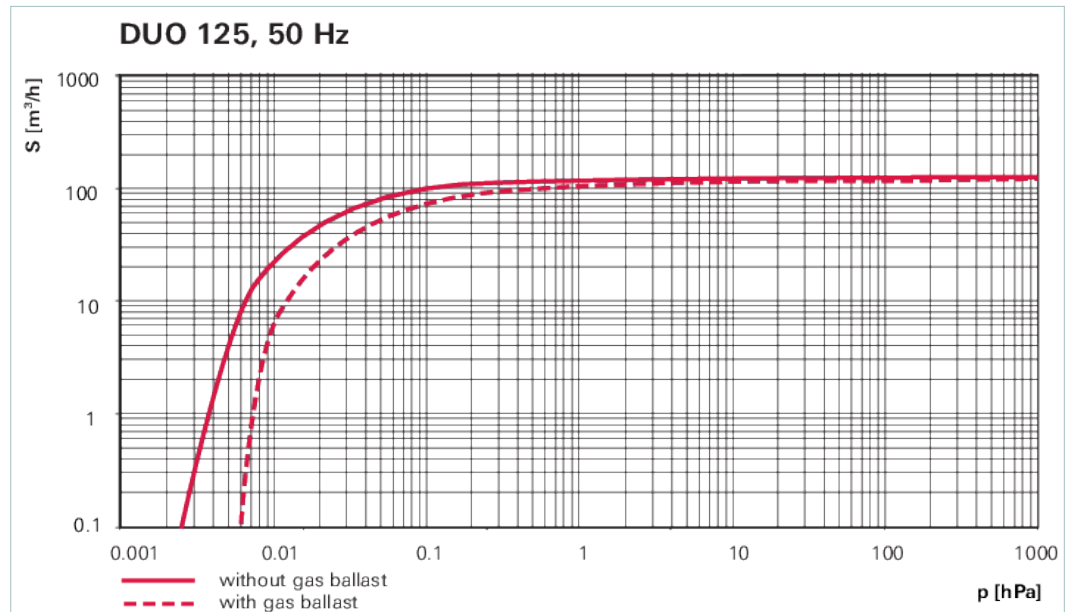
**Duo 125, 3-phase motor, 3TF,
230/400 V, 50 Hz | 265/460 V, 60 Hz**



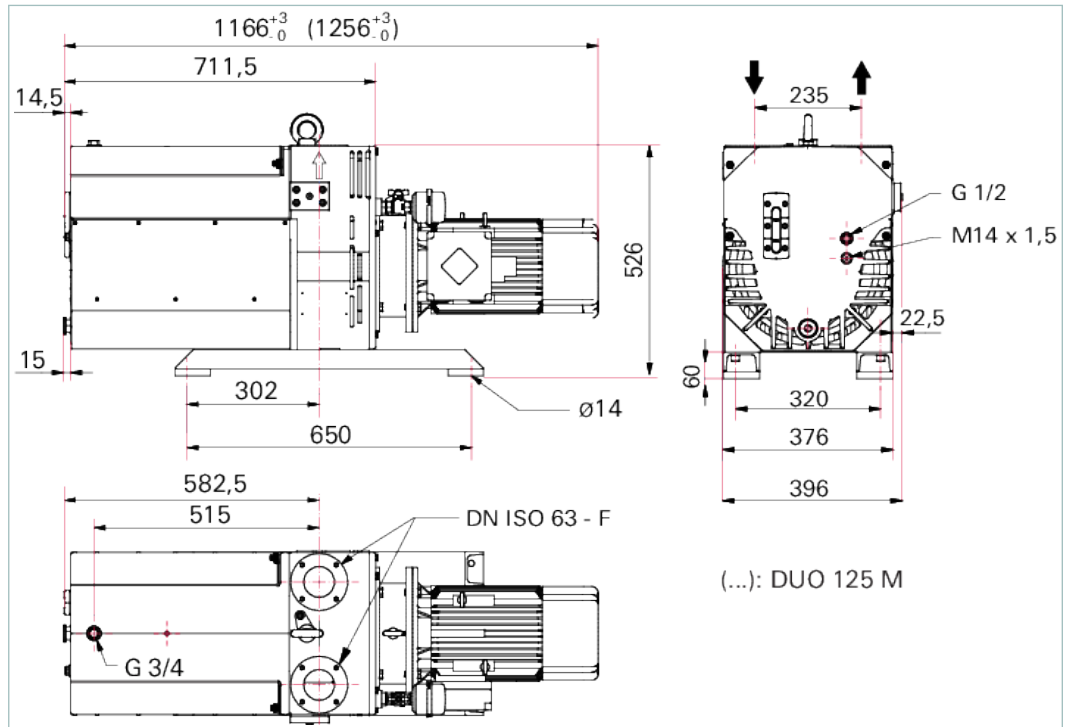
Similar Image

Duo 125, 3-phase motor, 3TF, 230/400 V, 50 Hz | 265/460 V, 60 Hz

- Dual-stage, high-performance rotary vane pump with a pumping speed up to 135 m³/h
- With 3-phase motor
- With temperature sensor (3TF) for optimum motor protection
- Integrated gas ballast and HV safety valve
- For all low and medium vacuum applications
- Special feature: Various motor voltages for wide application field
- Other motor voltages available on request



Dimensions



Technical Data	Duo 125, 3-phase motor, 3TF, 230/400 V, 50 Hz 265/460 V, 60 Hz
Connection flange (in)	DN 63 ISO-F
Connection flange (out)	DN 63 ISO-F
Pumping speed at 50 Hz	115 m ³ /h 67.69 cfm 1,916.67 l/min
Pumping speed at 60 Hz	135 m ³ /h 79.46 cfm 2,250 l/min
Final pressure with gas ballast	4 · 10 ⁻³ hPa 3 · 10 ⁻³ Torr 4 · 10 ⁻³ mbar
Final pressure without gas ballast	2 · 10 ⁻³ hPa 1.5 · 10 ⁻³ Torr 2 · 10 ⁻³ mbar
Exhaust pressure, min.	Atmospheric pressure
Exhaust pressure, max.	1,500 hPa 1,125 Torr 1,500 mbar
Water vapor capacity 50 Hz	216 g/h
Water vapor capacity 60 Hz	246 g/h
Water vapor tolerance at 50 Hz	2.7 hPa 2.02 Torr 2.7 mbar
Water vapor tolerance at 60 Hz	2.6 hPa 1.95 Torr 2.6 mbar
Rotation speed at 50 Hz	1,000 rpm 1,000 min ⁻¹
Rotation speed at 60 Hz	1,200 rpm 1,200 min ⁻¹
Cooling method, standard	Air
Motor protection	3TF
Motor version	3-ph motor
Ambient temperature	12-40 °C 53.6-104 °F 285-313 K
Emission sound pressure level without gas ballast at 50 Hz	≤ 75 dB(A)
Switch	No
Mains requirement: voltage (range)	±5 %
Mains connection: voltage 50 Hz	230/400 V
Mains connection: voltage 60 Hz	265/460 V
Mains cable	No
Operating fluid	P3
Operating fluid amount	14 l
Leak rate safety valve	≤ 1 · 10 ⁻⁵ Pa m ³ /s ≤ 7.5 · 10 ⁻⁵ Torr l/s ≤ 1 · 10 ⁻⁴ mbar l/s
Rated power 50 Hz	4 kW

Technical Data	Duo 125, 3-phase motor, 3TF, 230/400 V, 50 Hz 265/460 V, 60 Hz
Rated power 60 Hz	4.5 kW
Protection category	IP55
Weight	225 kg 496.04 lb

Order number	
Duo 125	PK D47 602

Accessories	
Heating Heating rods for zeolite traps (ZFO)	
Heating rod for ZFO 063, 220 V, 50/60 Hz	PK Z90 030 A
Monitoring Oil/Operating fluid level monitoring	
Operating fluid level switch	PK 006 001 -T
Monitoring Operations monitoring units	
Operations monitoring unit 3 for Duo 35/65, Duo 125/255	PK 223 739 AU
Monitoring Pressure switches	
Oil pressure switch for Duo 125/255	PK 223 806 -T
Monitoring Temperature sensors	
Temperature sensor for operating fluid PR 100	PK 006 040 -T
Operating Fluids Synthetic oil	
D1, synthetic diester based oil, 20 l	PK 005 877 -T
D1, synthetic diester based oil, 5 l	PK 005 876 -T
D1, synthetic diester based oil, 1 l	PK 005 875 -T
Protection Condensate separators	
KAS 63, condensate separator for pumping speeds up to 360 m ³ /h	PK Z10 010
Protection Dust separators/Inlet particle filters	
SAS 63, DN 63 ISO-K, polyester filter	PK Z60 511
Protection Motor protection	
PTC-resistor tripping device for motor protection 220 – 240 V AC	P 4768 052 FQ
Protection Oil filters	
OFM 125, mechanical oil filter	PK Z90 340
Protection Oil mist eliminators	
OME 63 M, oil mist separator for pumping speeds up to 135 m ³ /h	PK Z40 010
OME 63 C, oil mist separator, corrosive gas version, Duo 125 125 M	PK Z40 410
Protection Oil return units from oil mist eliminators	
Oil return unit, ODK 005, standard version	PK Z90 065
Consumables	
P3, mineral oil, 1 l	PK 001 106 -T
P3, mineral oil, 5 l	PK 001 107 -T
P3, mineral oil, 20 l	PK 001 108 -T

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