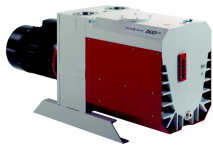


Duo 255/M

Dual-stage rotary vane pumps with a pumping speed up to 300 m³/h:





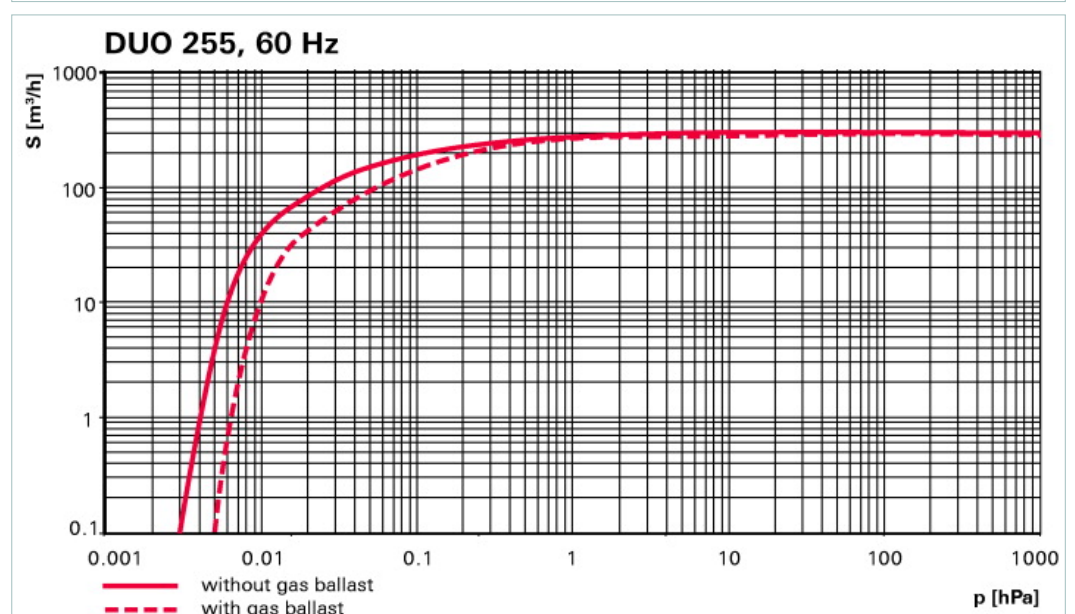
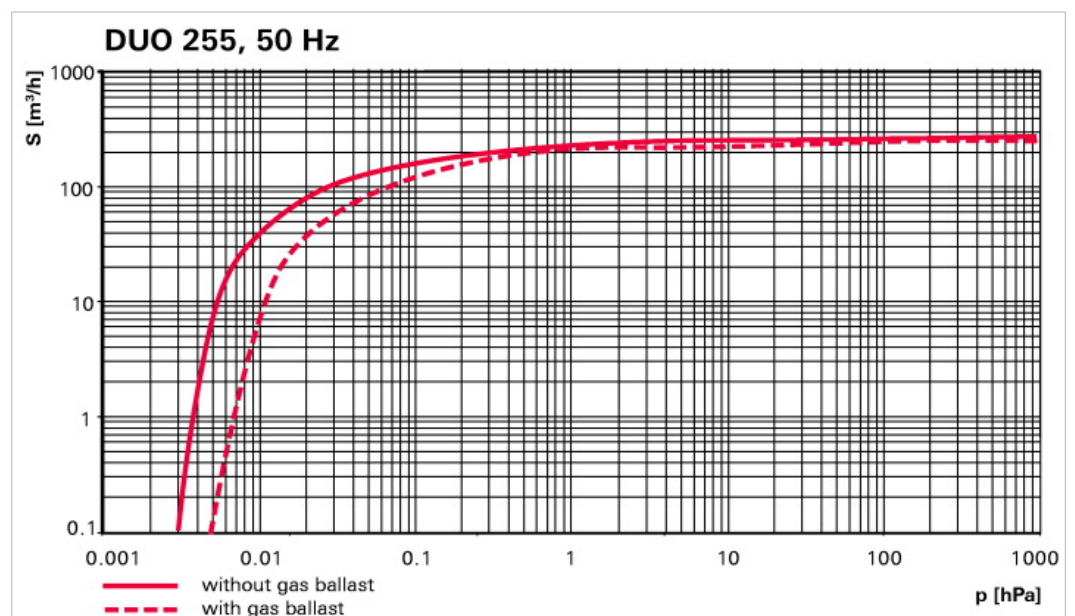
Similar Image

Duo 255, 3-phase motor, 3TF, 230/400 V, 50 Hz; 265/460 V, 60 Hz

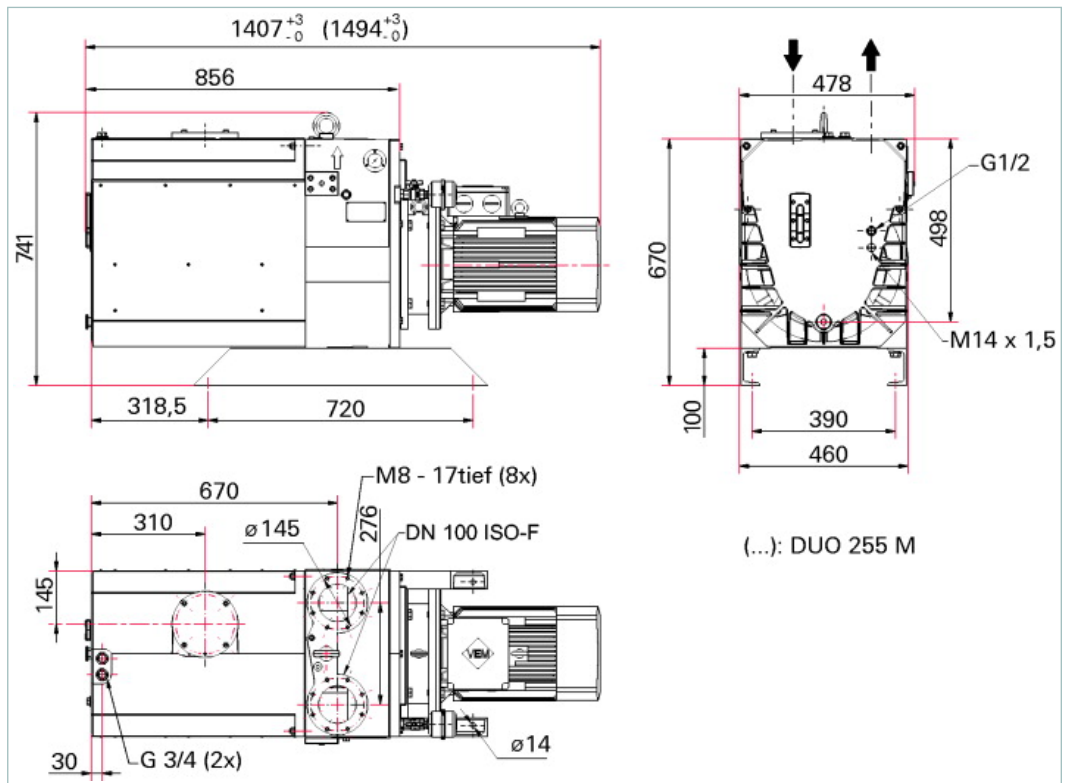
- Dual-stage, high-performance rotary vane pump with a pumping speed up to 300 m³/h
- 3-phase motor for 230/400 V (± 5 %) 50 Hz or 265/460 V (± 5 %) 60 Hz supply voltages
- With temperature sensor (3TF) for optimum motor protection
- Integrated gas ballast and HV safety valve
- For all low and medium vacuum applications
- Special feature: Various motor voltages for worldwide employment
- Other motor voltages available on request

TF = Temperature sensor

M = Magnetic coupling



Dimensions



Technical Data	Duo 255, 3-phase motor, 3TF, 230/400 V, 50 Hz; 265/460 V, 60 Hz
Ambient temperature	12-40 °C 53.6-104 °F 285-313 K
Cooling method, standard	Air
Emission sound pressure level without gas ballast at 50 Hz	≤ 75 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 100 ISO-F
Flange (out)	DN 100 ISO-F
Leak rate safety valve	≤ 1 · 10 ⁻⁵ Pa m ³ /s ≤ 7.5 · 10 ⁻⁵ Torr l/s ≤ 1 · 10 ⁻⁴ mbar l/s
Mains requirement: voltage 50 Hz	230/400 V
Mains requirement: voltage 60 Hz	265/460 V
Motor protection	3TF
Motor version	3-phase Motor
Operating fluid	P3
Operating fluid filling	25 l
Protection category	IP 55
Pumping speed at 50 Hz	250 m ³ /h
Pumping speed at 60 Hz	300 m ³ /h
Rated power 50 Hz	7.5 kW
Rated power 60 Hz	9.0 kW
Rotation speed at 50 Hz	1000 min ⁻¹
Rotation speed at 60 Hz	1200 min ⁻¹
Ultimate pressure with gas ballast	4 · 10 ⁻³ hPa 3 · 10 ⁻³ Torr 4 · 10 ⁻³ mbar
Ultimate pressure without gas ballast	3 · 10 ⁻³ hPa 2.25 · 10 ⁻³ Torr 3 · 10 ⁻³ mbar
Weight	360 kg 793.66 lb

Typical ultimate pressure according to PNEUROP

Order number	
Duo 255/M	PK D48 602

Accessories	
Accessories	
KAS 100, condensate separator for pumping speeds up to 630 m ³ /h	PK Z10 012
OFM 255, mechanical oil filter	PK Z90 341
Oil pressure switch for Duo 125/255	PK 223 806 -T
ONF 100, oil mist filter for pumping speeds up to 300 m ³ /h	PK Z40 012
Operating fluid level monitoring	PK 006 001 -T
Operations monitoring unit 3 for Duo 35/65, Duo 125/255	PK 223 739 -U
Temperature sensor for operating fluid	PK 006 040 -T
Accessories HenaLine	
SAS 100 dust separator, DN 100 ISO-K, polyester filter	PK Z60 512
Accessories UnoLine Plus	
FAK 100, activated carbon filter	PK Z30 012
Oil return unit, ORF 005, standard version	PK Z90 065
PTC-resistor tripping device	P 4768 051 FQ
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