

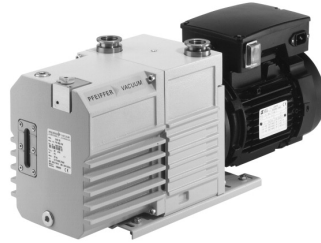
Data sheet - DUO 20 M

**DUO 20 M, 1-phase motor, 100-110 V,
50 Hz; 100-120 V, 60 Hz**

**Dual-stage, high-performance rotary vane pump with a pumping
speed up to 24 m³/h**

DUO 20 M, 1-phase motor, 100-110 V, 50 Hz; 100-120 V, 60 Hz

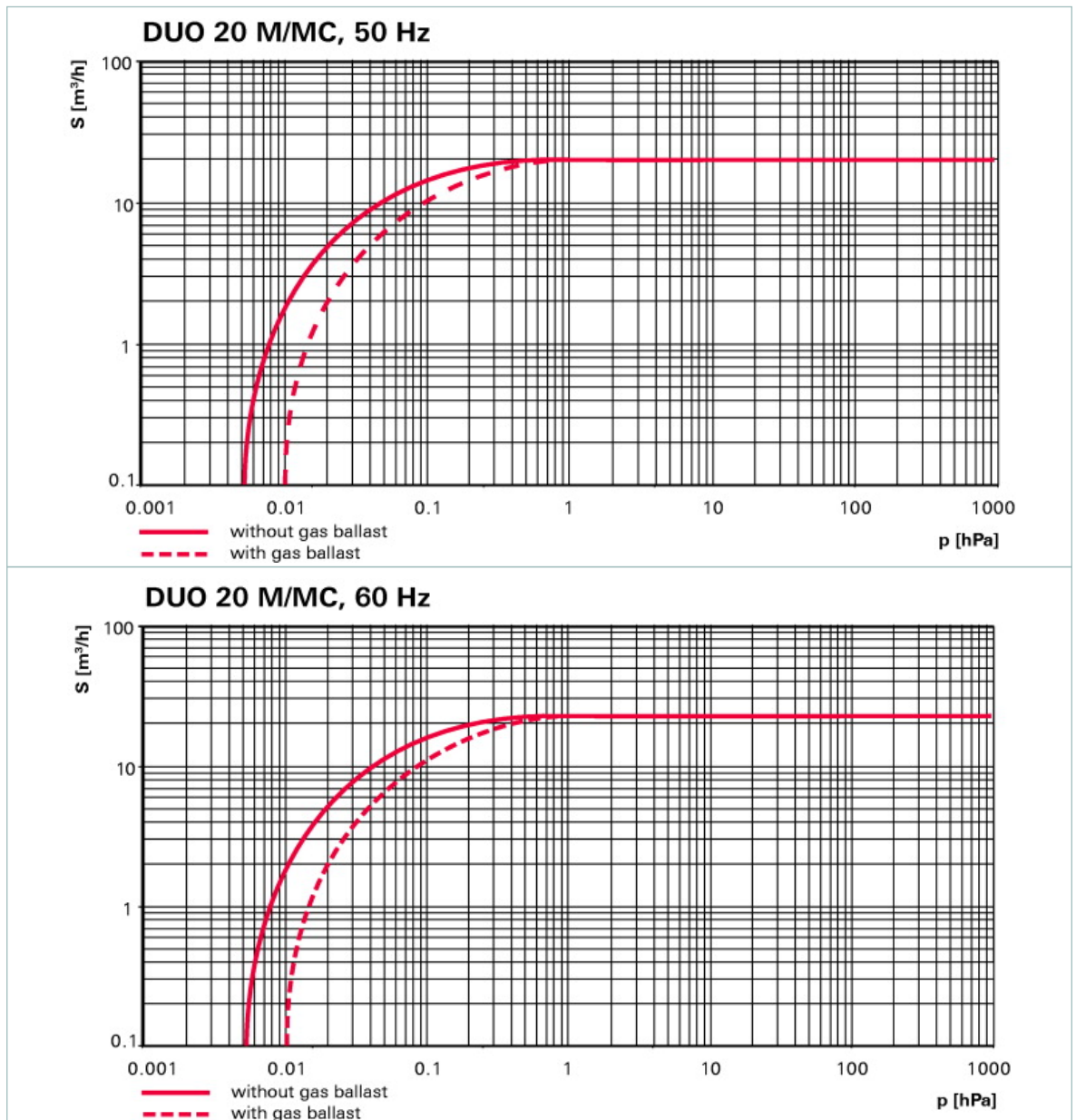
DUO 20 M



Similar Image

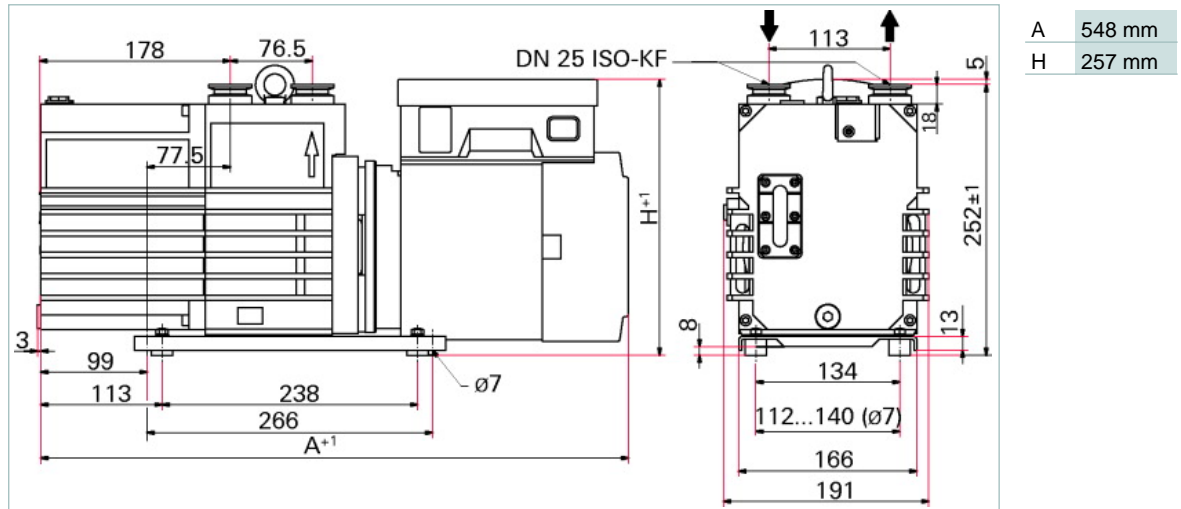
- Dual-stage, high-performance rotary vane pump with a pumping speed up to 24 m³/h
- With Single-phase motor
- Integrated gas ballast and HV safety valve
- For all low and medium vacuum applications
- Magnetically coupled
- Special feature: Various motor voltages for worldwide employment

Characteristics



DUO 20 M, 1-phase motor, 100-110 V, 50 Hz; 100-120 V, 60 Hz

Dimensions



DUO 20 M, 1-phase motor, 100-110 V, 50 Hz; 100-120 V, 60 Hz

Technical Data	DUO 20 M, 1-phase motor, 100-110 V, 50 Hz; 100-120 V, 60 Hz
Ambient temperature	12-40 °C
Cooling method, standard	Air
Emission sound pressure level without gas ballast at 50 Hz	<= 57 dB (A)
Exhaust pressure, max.	1500 hPa
Exhaust pressure, min.	250 hPa
Flange (in)	DN 25 ISO-KF
Flange (out)	DN 25 ISO-KF
Leak rate safety valve	<= 1 · 10 ⁻⁵ Pa m ³ /s
Magnetic coupling	yes
Mains cable	yes
Mains requirement: voltage (selectable)	200-230, 50 Hz; 200-240, 60 Hz V
Mains requirement: voltage 50 Hz	100-110 (± 5 %) V
Mains requirement: voltage 60 Hz	100-120 (± 5 %) V
Operating fluid	P3
Operating fluid filling	1.1 l
Protection category	IP 54
Pumping speed at 50 Hz	20 m ³ /h
Pumping speed at 60 Hz	24 m ³ /h
Rated power 50 Hz	0.75 kW
Rated power 60 Hz	0.90 kW
Rotation speed at 50 Hz	1500 min ⁻¹
Rotation speed at 60 Hz	1800 min ⁻¹
Switch	Yes, with 2 m mains cable and US plug
Ultimate pressure with gas ballast	4 · 10 ⁻³ hPa
Ultimate pressure without gas ballast	2 · 10 ⁻³ hPa
Weight	44 kg

Ultimate pressure according to PNEUROP

Order number	PKD63707
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DUO 20 M, 1-phase motor, 100-110 V, 50 Hz; 100-120 V, 60 Hz

Accessories DuoLine®;

FAK 025, activated carbon filter	PKZ30006
KAS 25 L, condensate separator for pumping speeds up to 34 m³/h	PKZ10033
KLF 025, cold trap	PKZ80006
Oil pressure switch for DUO 5/10/20 M and Penta 20/35	PK196484-T
Oil return unit from ONF 16 M to DUO 5 M, from ONF 25 M to DUO 10 M, from ONF 25 L to DUO 20 M, standard version	PK196172-T
ONF 25 L, oil mist filter for pumping speeds of up to 30 m³/h	PKZ40158
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 25, DN 25 ISO-KF, polyester filter	PKZ60508
URB 025, catalytic trap, 115 V	PTU10761
URB 025, catalytic trap, 230 V	PTU10760
ZFO 025, zeolite trap	PKZ70006

Accessories UnoLine®; Plus

PTC-resistor tripping device	P4768051FQ
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Consumables

	DUO 20 M, 1-phase motor, 100-110 V, 50 Hz; 100-120 V, 60 Hz
P3, mineral oil, 1 l	PK001106-T
P3, mineral oil, 5 l	PK001107-T
P3, mineral oil, 20 l	PK001108-T

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