



Pfeiffer DUO 10M

Technical Specifications

	Duo 10 M, 1-phase motor, 100–110 V, 50 Hz 100–120 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	57 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 25 ISO-KF
Flange (out)	DN 25 ISO-KF
Leak rate safety valve	$1 \cdot 10^{-5}$ Pa m ³ /s
Magnetic coupling	Yes
Mains cable	Yes
Mains requirement: voltage (range)	±5 %
Mains requirement: voltage (selectable)	200-230, 50 Hz; 200-240, 60 Hz V
Mains requirement: voltage 50 Hz	100 – 110 V
Mains requirement: voltage 60 Hz	100 – 120 V
Motor version	1-ph motor
Operating fluid	P3
Operating fluid filling	1 l
Protection category	IP54
Pumping speed at 50 Hz	10 m ³ /h
Pumping speed at 60 Hz	12 m ³ /h
Rated power 50 Hz	0.45 kW
Rated power 60 Hz	0.55 kW
Rotation speed at 50 Hz	1,500 rpm 1,500 min ⁻¹
Rotation speed at 60 Hz	1,800 rpm 1,800 min ⁻¹
Switch New	Yes
Ultimate pressure with gas ballast	$6 \cdot 10^{-3}$ hPa $4.5 \cdot 10^{-3}$ Torr $6 \cdot 10^{-3}$ mbar
Ultimate pressure without gas ballast	$3 \cdot 10^{-3}$ hPa $2.25 \cdot 10^{-3}$ Torr $3 \cdot 10^{-3}$ mbar
Weight	30 kg 66.14 lb



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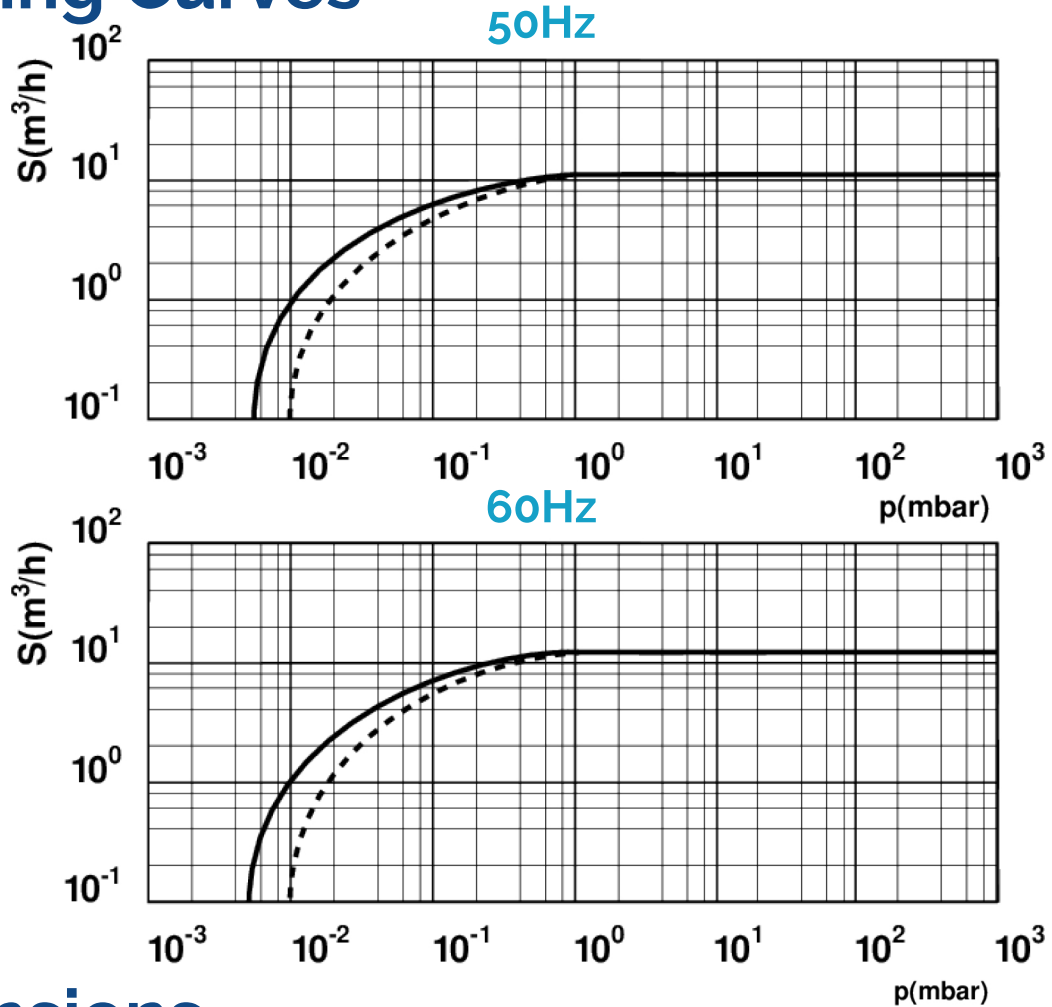
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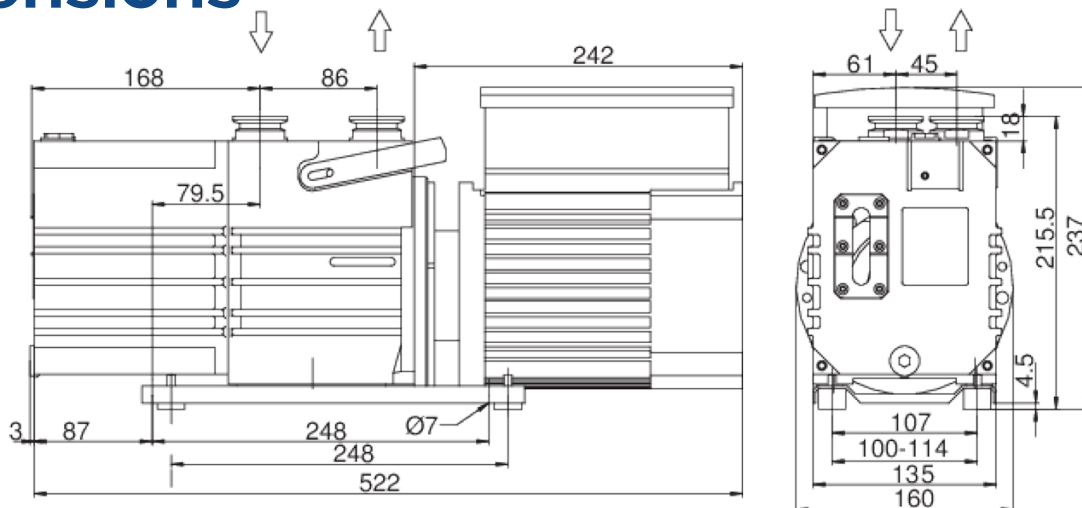
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Pfeiffer DUO 10M Pumping Curves



Dimensions





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Features & Benefits

- two stage rotary vane pump with new pumping system
- reliable operation as stand-alone or backing pump
- energy saving drive concept
- M series is magnetically coupled
- integrated safety & gas ballast valve
- integrated oil return connection
- compact design & optimized cooling
- convenient system integration

Applications

- electron microscopy • gas analysis • industrial leak detection • general basic research • sputtering processes • x-ray fluorescence analysis

