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Pfeiffer DUO 20M

Technical Specifications

	Duo 20 M
Flange (out)	DN 25 ISO-KF
Flange (in)	DN 25 ISO-KF
Exhaust pressure. max.	1500 hPa
Operating fluid filling	1.1 l
Rotation speed at 50 Hz	1,500 min ⁻¹
Rotation speed at 60 Hz	1,800 min ⁻¹
Emission sound pressure level without gas ballast at 50 Hz	55–57 dB (A)
Ultimate pressure with gas ballast	4 · 10 ⁻³ hPa
Ultimate pressure without gas ballast	2 · 10 ⁻³ hPa
Weight	44 kg
Cooling method. standard	Air
Leak rate magnetic coupling (MC version)	≤ 1 · 10 ⁻⁷ Pa m ³ /s
Leak rate safety valve	≤ 1 · 10 ⁻⁵ Pa m ³ /s
Rated power 50 Hz	0.75 kW
Rated power 60 Hz	0.90 kW
Pumping speed at 50 Hz	20 m ³ /h
Pumping speed at 60 Hz	24 m ³ /h
Switch	Yes, 1-phase
Protection category	IP 54–55
Ambient temperature	12–40 °C

Sound pressure level according to ISO 3744. class 2; Typical ultimate pressure according to PNEUROP



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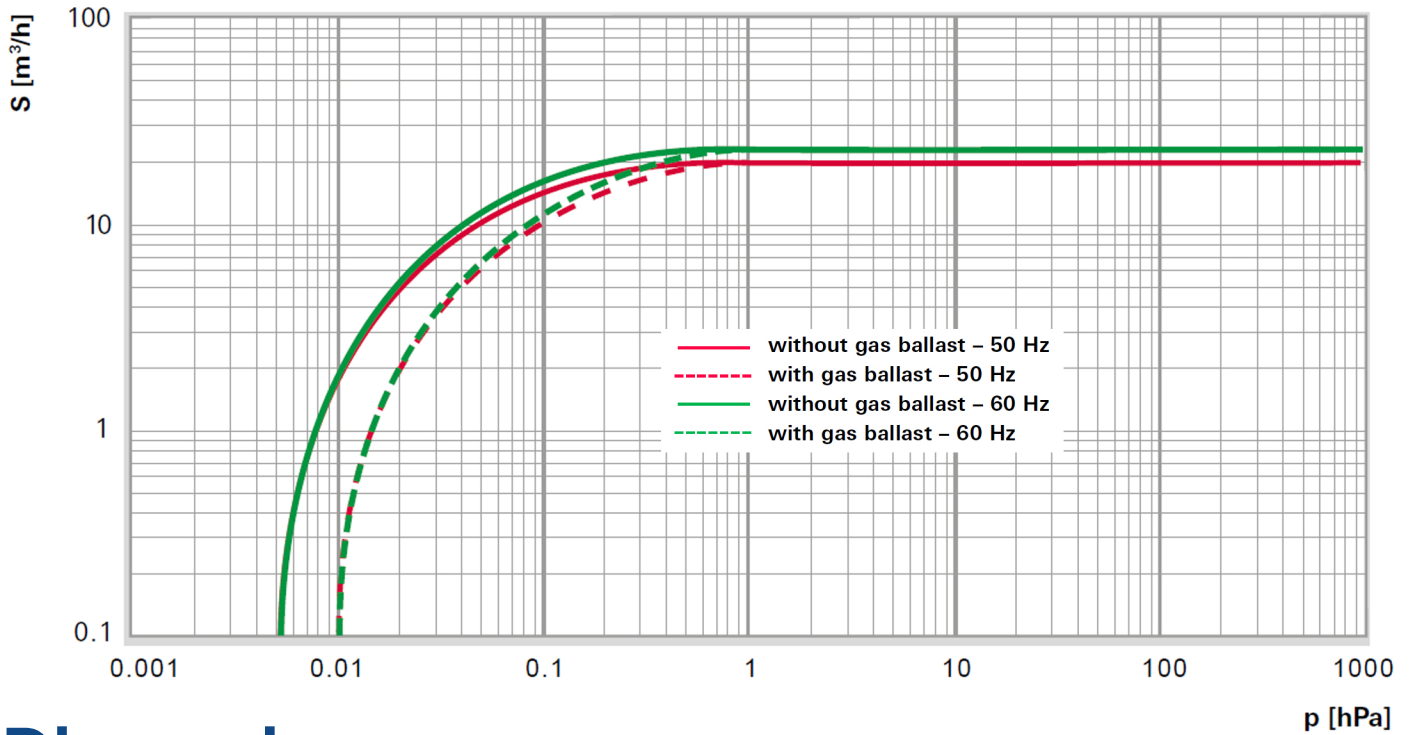
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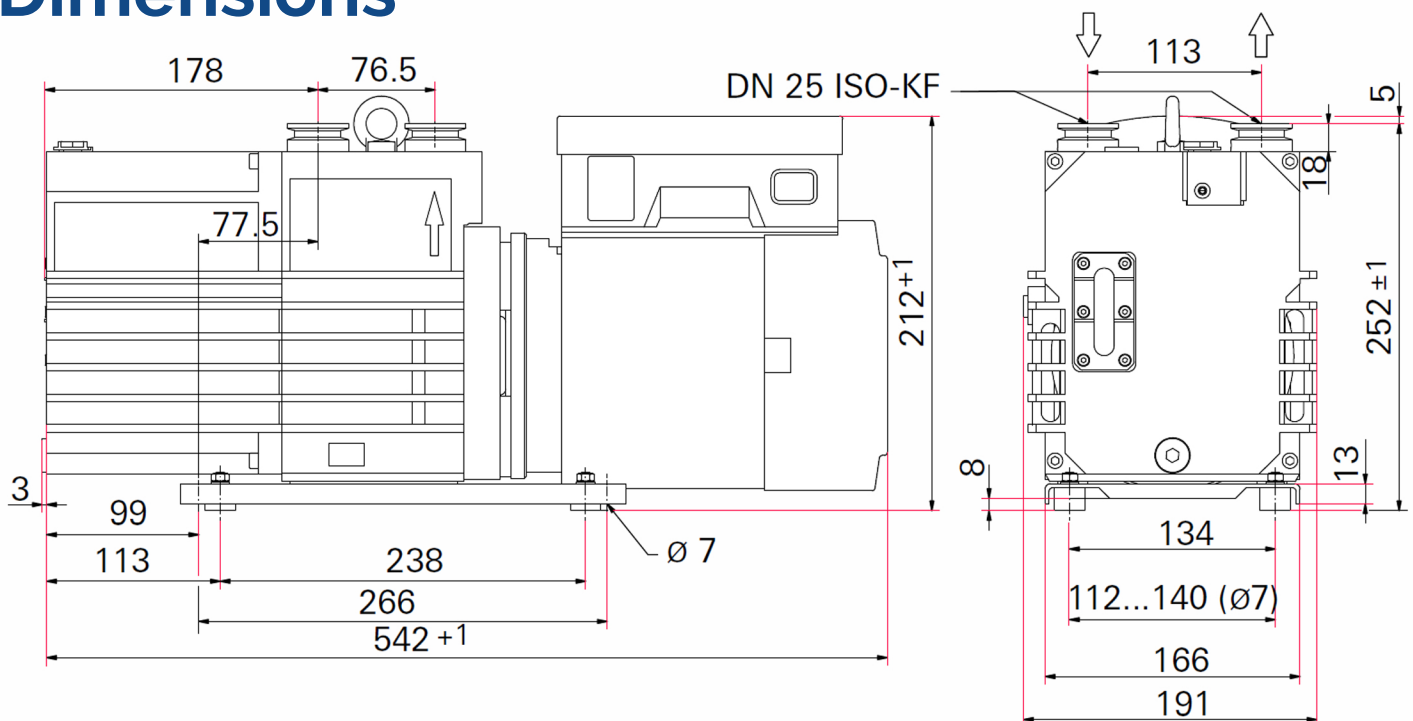
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Pfeiffer DUO 20M Pumping Curves



Dimensions





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Pfeiffer DUO 20M Features & Benefits

- two stage rotary vane pump
- integrated gas ballast & HV safety valve
- magnetically coupled
- long service life
- clean & environmentally friendly
- various motor voltages for worldwide employment
- integrated, hydraulically controlled high-vacuum safety valve
- compact design & optimized cooling make for great system integration
- integrated connection for oil return simplifies retrofitting of oil mist filter

Applications

- low & medium vacuum • backing pump for turbo & roots • general laboratory use • analytics • chemical laboratory • freeze drying
- process engineering

