



Pfeiffer Hepta 400P

Technical Specifications

Hepta 400 P	
Ambient temperature	0-50 °C 32-122 °F 273-323 K
Cooling water flow	120 – 360 l/h
Cooling water pressure	3,000-6,000 hPa 2,250-4,500 Torr 3,000-6,000 mbar
Cooling water temperature	5-30 °C 41-86 °F 278-303 K
Flange (in)	DN 63 ISO-K
Flange (out)	DN 80 PN 16
Mains requirement: voltage 60 Hz	220 – 230/416 – 460 V
Motor rating 60 Hz	9.2 kW
Nominal pumping speed at 60 Hz	420 m ³ /h
Nominal rotation speed at 60 Hz	3,600 rpm 3,600 min ⁻¹
Operating fluid	D1, synthetic diester based oil
Operating fluid filling	1.6 l
Protection category	IP55
Sound pressure level	69 dB(A)
Ultimate pressure	< 1 · 10 ⁻² hPa < 7.5 · 10 ⁻³ Torr < 1 · 10 ⁻² mbar
Weight	460 kg 1,014.12 lb





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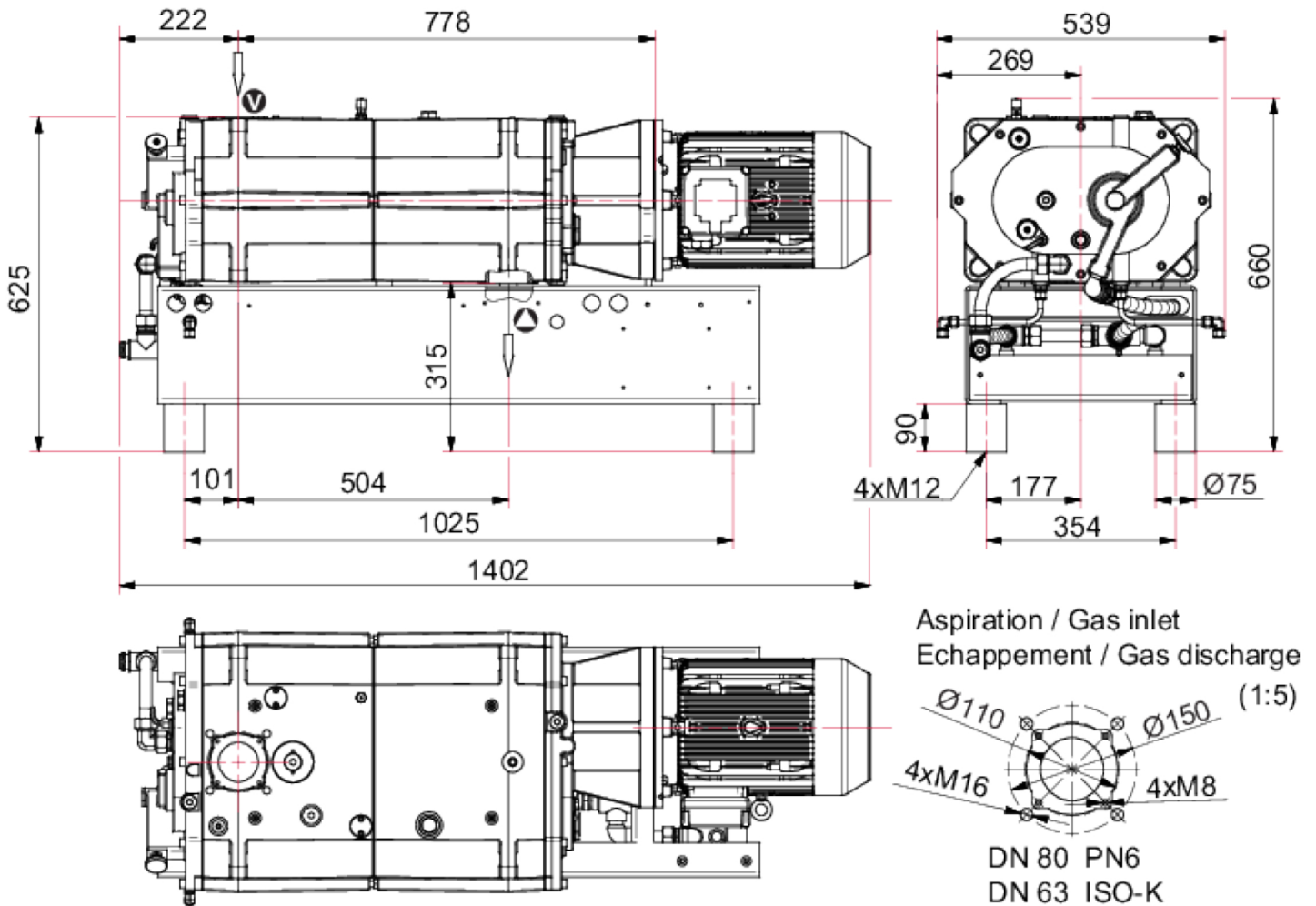
SALES

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Pfeiffer Hepta 400P Dimensions





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Pfeiffer Hepta 400P Features & Benefits

- oil-free vacuum
- one-piece variable pitch rotors
- low stressing of bearings & seals
- ideal for use as single pumps or in combination of HiLobe Roots
- optimal ultimate pressure & broadest range of applications
- high pumping speed at atmospheric pressure reduces pump-down
- water cooled with temperature monitoring
- internal compression leads to saving energy costs
- direct gas flow & optimized temperature profile minimize deposits
- low energy consumption, low noise level
- highly process capable due to sealing gas, gas ballast & flushing gas

Applications

- metallurgy • coating • freeze drying • load locks • electron beam welding • gas separation • superclean gas applications • degassing