

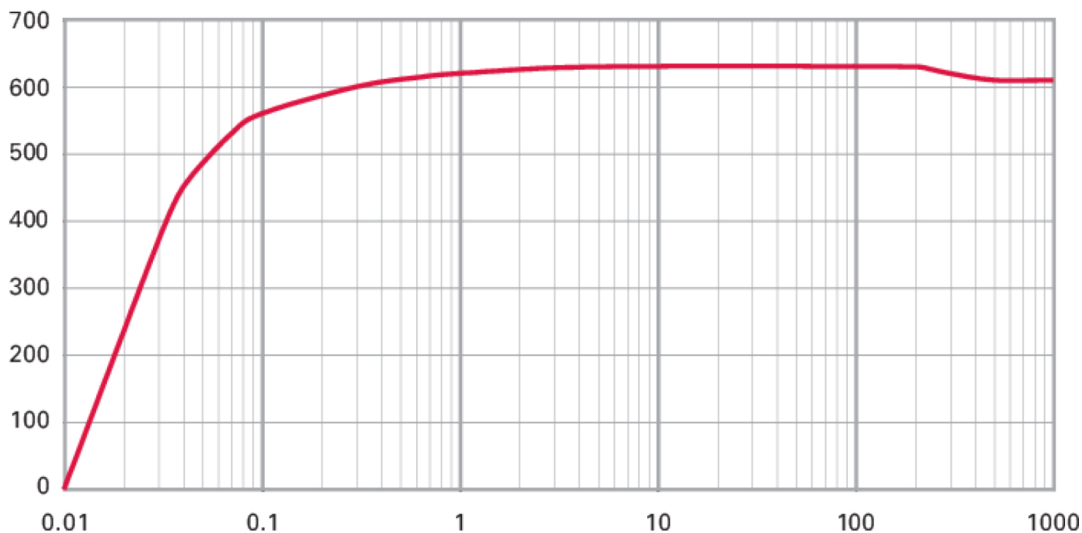


Pfeiffer Hepta 630P

Technical Specifications

	Hepta 630 P
Ambient temperature	5-50 °C 41-122 °F 278-323 K
Cooling water flow	720 l/h
Cooling water pressure	1,000-6,000 hPa 750-4,500 Torr 1,000-6,000 mbar
Cooling water temperature	10-30 °C 50-86 °F 283-303 K
Flange (in)	DN 100 ISO-K
Flange (out)	DN 100 ISO-K
Mains requirement: voltage 60 Hz	220 – 230/416 – 460 V
Motor rating 60 Hz	17 kW
Nominal pumping speed at 60 Hz	630 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	2 l
Protection category	IP55
Sound pressure level	75 dB(A)
Ultimate pressure	< 1 · 10 ⁻² hPa < 7.5 · 10 ⁻³ Torr < 1 · 10 ⁻² mbar
Weight	550 kg 1,212.53 lb

Pumping Curves





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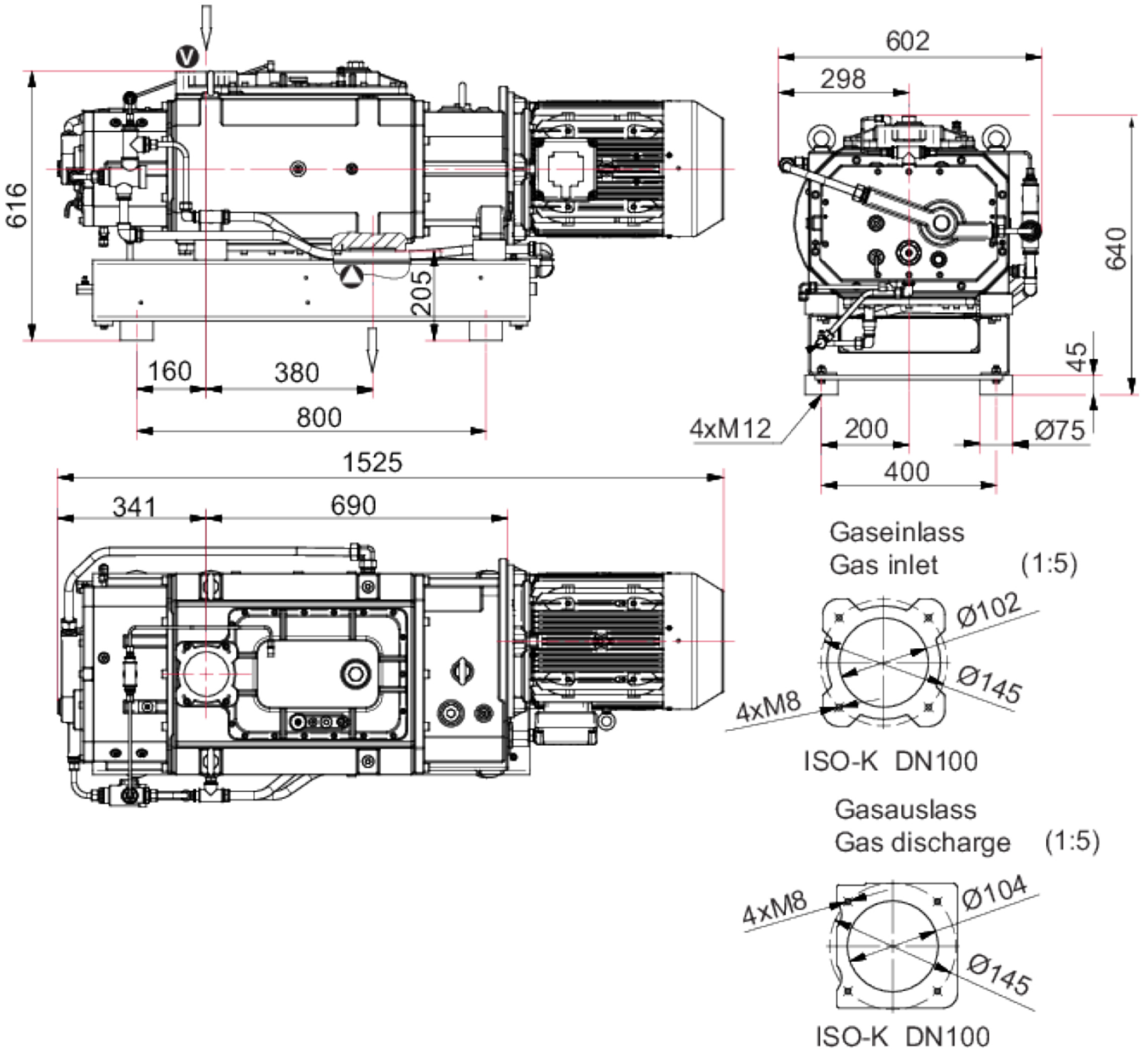
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Pfeiffer Hepta 630P Dimensions





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Pfeiffer Hepta 630P 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

