



Pfeiffer Hena 61

Technical Specifications

Hena 61	
Ambient temperature	12-40 °C 53.6-104 °F 285-313 K
Cooling method, standard	Air
Dimensions (L x W x H)	633 x 408 x 292 mm 24.92 x 16.06 x 11.5 inch
Emission sound pressure level without gas ballast at 50 Hz	≤ 64 dB(A)
Emission sound pressure level without gas ballast at 60 Hz	≤ 66 dB(A)
Exhaust pressure, max.	Atmospheric pressure
Exhaust pressure, min.	Atmospheric pressure
Flange (in)	Female thread G 1¼"
Flange (out)	Female thread G 1¼"
Inert gas unit	No
Leak rate safety valve	≤ 8 · 10 ⁻³ Pa m ³ /s
Mains cable	No
Mains requirement: voltage (range)	± 5 %
Mains requirement: voltage 50 Hz	190–200/380–400 V
Mains requirement: voltage 60 Hz	208/220/230/440/460 V
Motor protection	3TF
Motor version	3-ph motor
Nominal pumping speed at 50 Hz	63 m ³ /h
Nominal pumping speed at 60 Hz	76 m ³ /h
Operating fluid	P3
Operating fluid filling	2 l
Protection category	IP55
Pumping speed at 50 Hz	63 m ³ /h
Pumping speed at 60 Hz	76 m ³ /h
Rated power 50 Hz	2 kW
Rated power 60 Hz	2.4 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
Sealing gas	false
Switch New	No
Ultimate pressure with gas ballast	≤ 1.5 hPa ≤ 1.12 Torr ≤ 1.5 mbar
Ultimate pressure without gas ballast	≤ 3 · 10 ⁻¹ hPa ≤ 2.25 · 10 ⁻¹ Torr ≤ 3 · 10 ⁻¹ mbar
Water vapor capacity 50 Hz	1800 g/h
Water vapor capacity 60 Hz	1800 g/h
Water vapor tolerance at 50 Hz	40 hPa 30 Torr 40 mbar
Water vapor tolerance at 60 Hz	40 hPa 30 Torr 40 mbar
Weight	64.5 kg 142.2 lb



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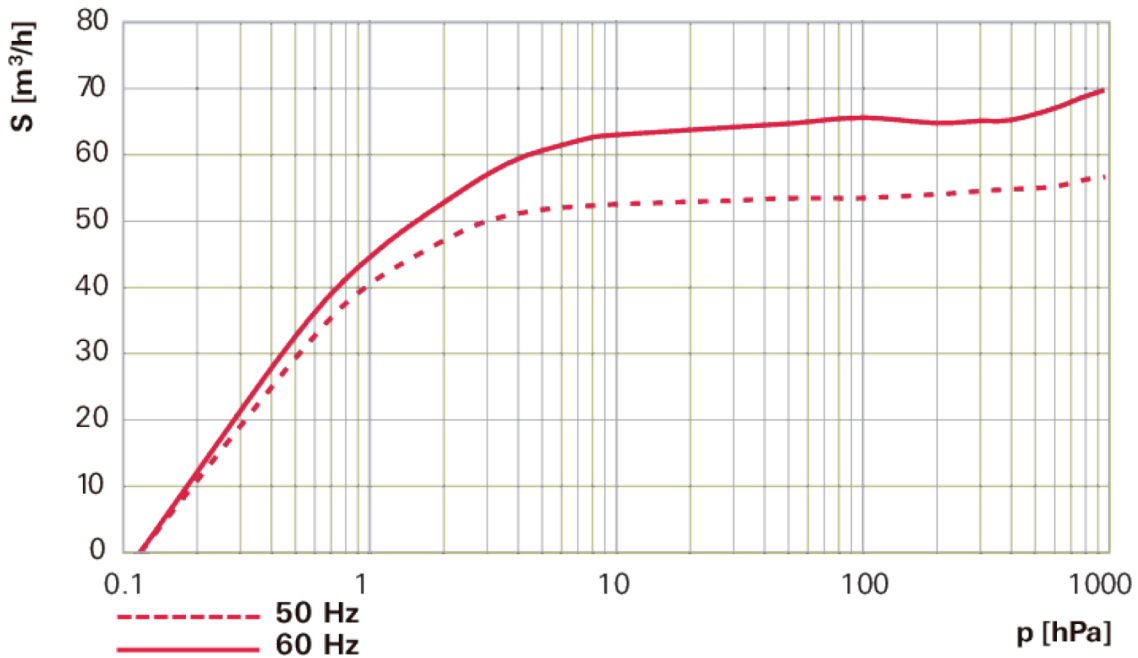
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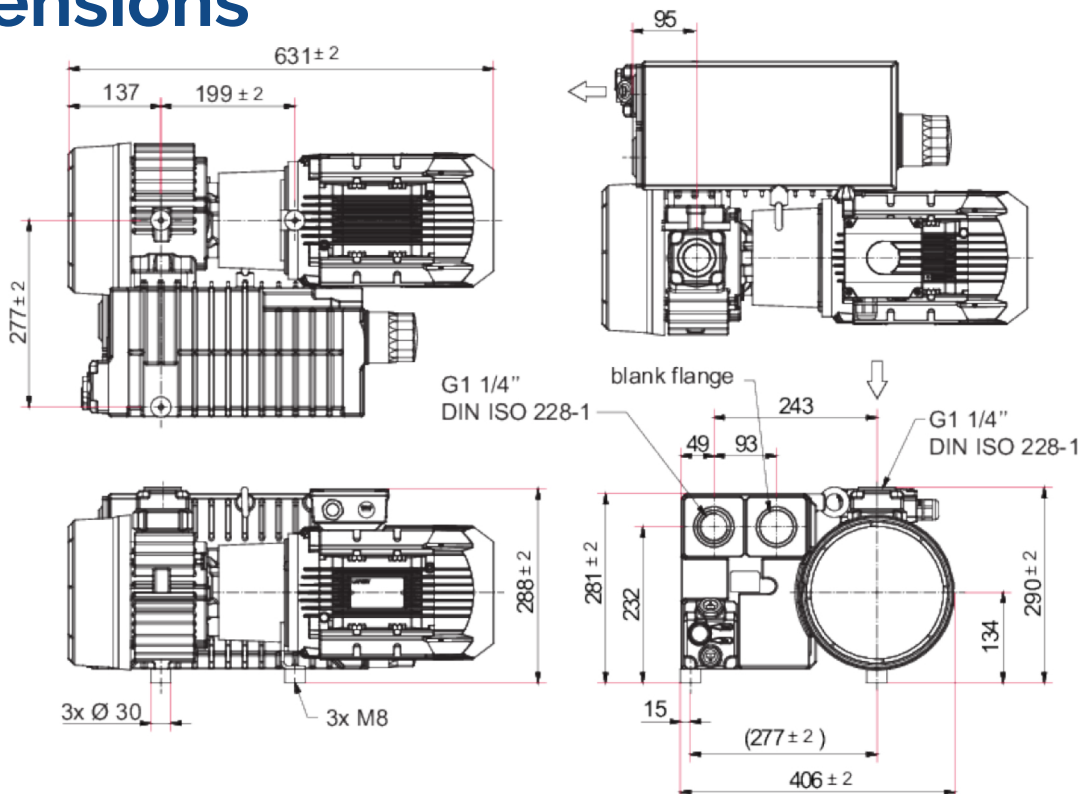
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Pfeiffer Hena 61 Pumping Curves



Dimensions





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Pfeiffer Hena 61 Features & Benefits

- can operate as stand alone pump, or integrated into pumping stations
- integrated oil mist filter, oil return system & vacuum safety valve
- prevents pollution of ambient air & protects pump & system
- gas ballast valve enables water vapor to be pumped down
- special vane material for long service life

Applications

- electron beam welding • incandescent light bulb manufacturing
- surface coating • vacuum drying • leak detection • metallurgy
- gas recovery • load lock applications • simulation chambers

