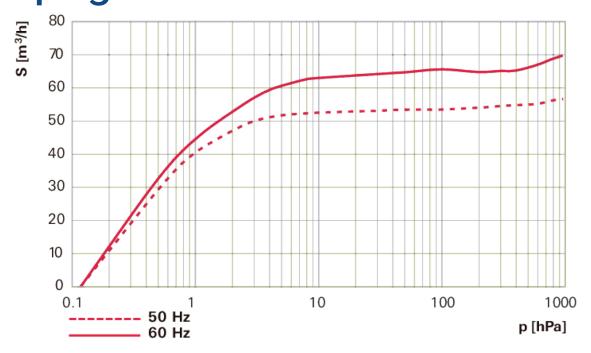
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Pfeiffer Hena 61 **Technical Specifications**

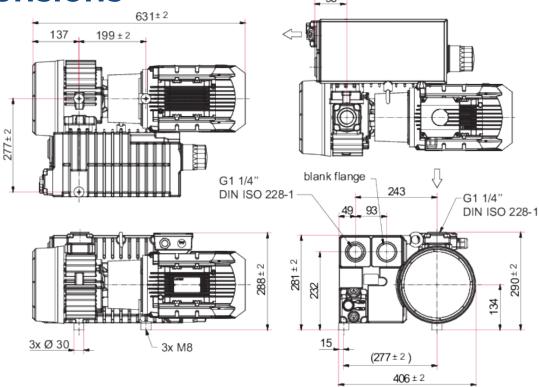
Ambient temperature 12-40 °C 53.6-104 °F 285-313 K		Hena 61
Cooling method, standard	Ambient temperature	
Dimensions (L x W x H) 633 x 408 x 292 mm 24.92 x 16.06 x 11.5 inch Emission sound pressure level without gas ballast at 50 Hz ≤ 64 dB(A) Emission sound pressure level without gas ballast at 60 Hz ≤ 66 dB(A) Exhaust pressure, max. Atmospheric pressure Exhaust pressure, min. Atmospheric pressure Flange (in) Female thread G 1½" Flange (out) Female thread G 1½" Inert gas unit No Leak rate safety valve ≤ 8 · 10-3 Pa m³/s Mains cable No Mains cable No Mains requirement: voltage (range) ± 5 % Mains requirement: voltage 60 Hz 190–200/380–400 V Motor protection 3TF Motor version 3-ph motor Nominal pumping speed at 50 Hz 63 m³/h Nominal pumping speed at 60 Hz 76 m³/h Operating fluid P3 Operating fluid filling 2 I Protection category IP55 Pumping speed at 50 Hz 63 m³/h Rated power 50 Hz 2 kW Rated power 60 Hz 1,500 rpm 1,500 min-1 <td></td> <td>·</td>		·
Emission sound pressure level without gas ballast at 50 Hz Emission sound pressure level without gas ballast at 60 Hz Exhaust pressure, max. Exhaust pressure, min. Exhaust pressure, min. Flange (in) Female thread G 1½" Flange (out) Inert gas unit Leak rate safety valve Mains cable Mo Mains requirement: voltage (range) Mains requirement: voltage 50 Hz Motor protection Motor version Nominal pumping speed at 50 Hz Nominal pumping speed at 60 Hz Operating fluid filling Protection category Pumping speed at 50 Hz Rated power 50 Hz Rated power 60 Hz Rotation speed at 50 Hz Rotation speed at 60 Hz Rotation speed at 50 Hz Rotation speed at 60 Hz Rotation speed at 50 Hz Rotation speed sp		
Exhaust pressure, max.	Emission sound pressure level without gas	•
Exhaust pressure, min. Flange (in) Female thread G 1½" Flange (out) Inert gas unit Leak rate safety valve Mains cable Mo Mains requirement: voltage (range) Mains requirement: voltage 60 Hz Motor protection Motor version Nominal pumping speed at 50 Hz Nominal pumping speed at 60 Hz Protection category Pumping speed at 50 Hz Pumping speed at 50 Hz Rated power 60 Hz Rotation speed at 60 Hz Rotation speed sp	and the second of the second o	≤ 66 dB(A)
Flange (in) Female thread G 1½" Flange (out) Female thread G 1½" Inert gas unit No Leak rate safety valve ≤ 8 ⋅ 10⁻³ Pa m³/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 m³/h Nominal pumping speed at 60 Hz 76 m³/h Operating fluid filling 2 I Protection category IP55 Pumping speed at 50 Hz 63 m³/h Pumping speed at 60 Hz 76 m³/h Rated power 50 Hz 2 kW Rated power 50 Hz 2 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 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 50 Hz 40 hPa 30 Torr 40 mbar	Exhaust pressure, max.	Atmospheric pressure
Flange (out) Inert gas unit Leak rate safety valve ≤ 8 · 10-3 Pa m³/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 Nominal pumping speed at 50 Hz Nominal pumping speed at 60 Hz Operating fluid Operating fluid filling 2 I Protection category IP55 Pumping speed at 50 Hz 63 m³/h Pumping speed at 50 Hz 63 m³/h Pumping speed at 60 Hz 76 m³/h Pumping speed at 60 Hz 76 m³/h Rated power 50 Hz Rated power 60 Hz Rated power 60 Hz Rotation speed at 50 Hz Rotation speed at 60 Hz No Ultimate pressure with gas ballast Ultimate pressure without gas ballast Vater vapor capacity 50 Hz Water vapor capacity 60 Hz Water vapor tolerance at 60 Hz	Exhaust pressure, min.	Atmospheric pressure
Inert gas unit	Flange (in)	Female thread G 11/4"
Leak rate safety valve ≤ 8 ⋅ 10⁻³ Pa m³/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 m³/h Nominal pumping speed at 60 Hz 76 m³/h Operating fluid P3 Operating fluid filling 2 I Protection category IP55 Pumping speed at 50 Hz 63 m³/h Pumping speed at 60 Hz 76 m³/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 Rotation speed at 60 Hz 1,800 rpm 1,800 min⁻¹ Wotth 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 toleranc	Flange (out)	Female thread G 11/4"
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 m³/h Nominal pumping speed at 60 Hz 76 m³/h Operating fluid P3 Operating fluid filling 2 I Protection category IP55 Pumping speed at 50 Hz 63 m³/h Pumping speed at 60 Hz 76 m³/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 Rotation speed at 60 Hz 1,800 rpm 1,800 min⁻¹ Woth New No Ultimate pressure with gas ballast ≤ 1.5 hPa ≤ 1.12 Torr ≤ 1.5 mbar Ultimate pressure without 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 <tr< td=""><td>Inert gas unit</td><td>No</td></tr<>	Inert gas unit	No
Mains requirement: voltage (range) ± 5 % Mains requirement: voltage 50 Hz 190–200/380–400 V Motor protection 3TF Motor version 3-ph motor Nominal pumping speed at 50 Hz 63 m³/h Nominal pumping speed at 60 Hz 76 m³/h Operating fluid P3 Operating fluid filling 2 l Protection category IP55 Pumping speed at 50 Hz 63 m³/h Pumping speed at 60 Hz 76 m³/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 Rotation speed at 60 Hz 1,800 rpm 1,800 min⁻¹ Wolth New No Ultimate pressure with gas ballast ≤ 1.5 hPa ≤ 1.12 Torr ≤ 1.5 mbar Ultimate pressure without gas ballast ≤ 1.5 hPa ≤ 2.25 · 10⁻¹ Torr ≤ 3 · 10⁻¹ mbar Water vapor capacity 50 Hz 1800 g/h Water vapor tolerance at 50 Hz 40 hPa 30 Torr 40 mbar Water vapor tolerance at 50 Hz 40 hPa 30 Torr 40 mbar	Leak rate safety valve	≤ 8 · 10 ⁻³ Pa m³/s
Mains requirement: voltage 50 Hz $190-200/380-400 \text{ V}$ Mains requirement: voltage 60 Hz $208/220/230/440/460 \text{ V}$ Motor protection $3TF$ Motor version $3-\text{ph}$ motorNominal pumping speed at 50 Hz $63 \text{ m}^3/\text{h}$ Nominal pumping speed at 60 Hz $76 \text{ m}^3/\text{h}$ Operating fluid $P3$ Operating fluid filling 2 I Protection categoryIP55Pumping speed at 50 Hz $63 \text{ m}^3/\text{h}$ Pumping speed at 60 Hz $76 \text{ m}^3/\text{h}$ Rated power 50 Hz 2 kW Rated power 60 Hz 2.4 kW Rotation speed at 50 Hz $1,500 \text{ rpm} \mid 1,500 \text{ min}^{-1}$ Rotation speed at 60 Hz $1,800 \text{ rpm} \mid 1,800 \text{ min}^{-1}$ Sealing gasfalseSwitch NewNoUltimate pressure with gas ballast $\leq 1.5 \text{ hPa} \mid \leq 1.12 \text{ Torr} \mid \leq 1.5 \text{ mbar}$ Ultimate pressure without gas ballast $\leq 3 \cdot 10^{-1} \text{ hPa} \mid \leq 2.25 \cdot 10^{-1} \text{ Torr} \mid \leq 3 \cdot 10^{-1} \text{ mbar}$ Water vapor capacity 50 Hz 1800 g/h Water vapor tolerance at 50 Hz $40 \text{ hPa} \mid 30 \text{ Torr} \mid 40 \text{ mbar}$ Water vapor tolerance at 60 Hz $40 \text{ hPa} \mid 30 \text{ Torr} \mid 40 \text{ mbar}$	Mains cable	No
Mains requirement: voltage 60 Hz $208/220/230/440/460 \text{ V}$ Motor protection3TFMotor version3-ph motorNominal pumping speed at 50 Hz $63 \text{ m}^3/\text{h}$ Nominal pumping speed at 60 Hz $76 \text{ m}^3/\text{h}$ Operating fluidP3Operating fluid filling 2 I Protection categoryIP55Pumping speed at 50 Hz $63 \text{ m}^3/\text{h}$ Pumping speed at 60 Hz $76 \text{ m}^3/\text{h}$ Rated power 50 Hz 2 kW Rated power 60 Hz 2.4 kW Rotation speed at 50 Hz $1,500 \text{ rpm} 1,500 \text{ min}^{-1}$ Rotation speed at 60 Hz $1,800 \text{ rpm} 1,800 \text{ min}^{-1}$ Sealing gasfalseSwitch NewNoUltimate pressure with gas ballast $\leq 1.5 \text{ hPa} \leq 1.12 \text{ Torr } \leq 1.5 \text{ mbar}$ Ultimate pressure without gas ballast $\leq 3 \cdot 10^{-1} \text{ hPa} \leq 2.25 \cdot 10^{-1} \text{ Torr } \leq 3 \cdot 10^{-1} \text{ mbar}$ Water vapor capacity 50 Hz 1800 g/h Water vapor tolerance at 50 Hz $40 \text{ hPa} 30 \text{ Torr } 40 \text{ mbar}$ Water vapor tolerance at 50 Hz $40 \text{ hPa} 30 \text{ Torr } 40 \text{ mbar}$	Mains requirement: voltage (range)	± 5 %
Motor protection 3TF Motor version 3-ph motor Nominal pumping speed at 50 Hz 63 m³/h Nominal pumping speed at 60 Hz 76 m³/h Operating fluid P3 Operating fluid filling 2 l Protection category IP55 Pumping speed at 50 Hz 63 m³/h Pumping speed at 60 Hz 76 m³/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 tolerance at 50 Hz 40 hPa 30 Torr 40 mbar Water vapor tolerance at 60 Hz 40 hPa 30 Torr 40 mbar	Mains requirement: voltage 50 Hz	190–200/380–400 V
Motor version 3-ph motor Nominal pumping speed at 50 Hz 63 m³/h Nominal pumping speed at 60 Hz 76 m³/h Operating fluid P3 Operating fluid filling 2 l Protection category IP55 Pumping speed at 50 Hz 63 m³/h Pumping speed at 60 Hz 76 m³/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 tolerance at 50 Hz 40 hPa 30 Torr 40 mbar Water vapor tolerance at 60 Hz 40 hPa 30 Torr 40 mbar	Mains requirement: voltage 60 Hz	208/220/230/440/460 V
Nominal pumping speed at 50 Hz	Motor protection	3TF
Nominal pumping speed at 60 Hz 76 m³/h Operating fluid P3 Operating fluid filling 2 I Protection category IP55 Pumping speed at 50 Hz 63 m³/h Pumping speed at 60 Hz 76 m³/h Rated power 50 Hz 2 kW Rated power 60 Hz 2 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 Rotation speed at 60 Hz 1,800 rpm 1,800 min⁻¹ Sealing gas false Switch New No Ultimate pressure with gas ballast $\leq 1.5 \text{ hPa} \mid \leq 1.12 \text{ Torr} \mid \leq 1.5 \text{ mbar}$ Ultimate pressure without gas ballast $\leq 3 \cdot 10^{-1} \text{ hPa} \mid \leq 2.25 \cdot 10^{-1} \text{ Torr} \mid$ Water vapor capacity 50 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	Motor version	3-ph motor
Operating fluid P3 Operating fluid filling 2 I Protection category IP55 Pumping speed at 50 Hz 63 m³/h Pumping speed at 60 Hz 76 m³/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 $\leq 1.5 \text{ hPa} \mid \leq 1.12 \text{ Torr} \mid \leq 1.5 \text{ mbar}$ Ultimate pressure without gas ballast $\leq 3 \cdot 10^{-1} \text{ hPa} \mid \leq 2.25 \cdot 10^{-1} \text{ Torr} \mid \leq 3 \cdot 10^{-1} \text{ mbar}$ Water vapor capacity 50 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	Nominal pumping speed at 50 Hz	63 m³/h
Operating fluid filling 2 Protection category IP55 Pumping speed at 50 Hz 63 m³/h Pumping speed at 60 Hz 76 m³/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 $\leq 1.5 \text{ hPa} \mid \leq 1.12 \text{ Torr} \mid \leq 1.5 \text{ mbar}$ Ultimate pressure without gas ballast $\leq 3 \cdot 10^{-1} \text{ hPa} \mid \leq 2.25 \cdot 10^{-1} \text{ Torr} \mid \leq 3 \cdot 10^{-1} \text{ mbar}$ Water vapor capacity 50 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	Nominal pumping speed at 60 Hz	76 m³/h
Protection category Pumping speed at 50 Hz Pumping speed at 60 Hz Rated power 50 Hz Rated power 60 Hz Rotation speed at 50 Hz Rotation speed at 60 Hz Rotation speed at 60 Hz Sealing gas Switch New Ultimate pressure with gas ballast Ultimate pressure without gas ballast Water vapor capacity 50 Hz Water vapor tolerance at 50 Hz Pumping speed at 50 Hz 1,500 rpm 1,500 min ⁻¹ 1,800 rpm 1,800 min ⁻¹ 1,800 rpm 1,800 min ⁻¹ 2 sealing gas False Switch New No Ultimate pressure with gas ballast	Operating fluid	P3
Pumping speed at 50 Hz	Operating fluid filling	21
Pumping speed at 60 Hz 76 m³/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 $\leq 3 \cdot 10^{-1}$ hPa $\leq 2.25 \cdot 10^{-1}$ Torr $\leq 3 \cdot 10^{-1}$ mbar Water vapor capacity 50 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	Protection category	IP55
Rated power 50 Hz	Pumping speed at 50 Hz	63 m³/h
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 $\leq 1.5 \text{ hPa} \mid \leq 1.12 \text{ Torr} \mid \leq 1.5 \text{ mbar}$ Ultimate pressure without gas ballast $\leq 3 \cdot 10^{-1} \text{ hPa} \mid \leq 2.25 \cdot 10^{-1} \text{ Torr} \mid \leq 3 \cdot 10^{-1} \text{ mbar}$ Water vapor capacity 50 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	Pumping speed at 60 Hz	76 m³/h
Rotation speed at 50 Hz	Rated power 50 Hz	2 kW
Rotation speed at 60 Hz	Rated power 60 Hz	2.4 kW
Sealing gasfalseSwitch NewNoUltimate pressure with gas ballast $\leq 1.5 \text{ hPa} \mid \leq 1.12 \text{ Torr} \mid \leq 1.5 \text{ mbar}$ Ultimate pressure without gas ballast $\leq 3 \cdot 10^{-1} \text{ hPa} \mid \leq 2.25 \cdot 10^{-1} \text{ Torr} \mid$ $\leq 3 \cdot 10^{-1} \text{ mbar}$ $\leq 3 \cdot 10^{-1} \text{ mbar}$ Water vapor capacity 50 Hz 1800 g/h Water vapor capacity 60 Hz 1800 g/h Water vapor tolerance at 50 Hz $40 \text{ hPa} \mid 30 \text{ Torr} \mid 40 \text{ mbar}$ Water vapor tolerance at 60 Hz $40 \text{ hPa} \mid 30 \text{ Torr} \mid 40 \text{ mbar}$	Rotation speed at 50 Hz	1,500 rpm 1,500 min ⁻¹
Switch New No Ultimate pressure with gas ballast $\leq 1.5 \text{ hPa} \mid \leq 1.12 \text{ Torr} \mid \leq 1.5 \text{ mbar}$ Ultimate pressure without gas ballast $\leq 3 \cdot 10^{-1} \text{ hPa} \mid \leq 2.25 \cdot 10^{-1} \text{ Torr} \mid \leq 3 \cdot 10^{-1} \text{ mbar}$ 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	Rotation speed at 60 Hz	1,800 rpm 1,800 min ⁻¹
Ultimate pressure with gas ballast $\leq 1.5 \text{ hPa} \mid \leq 1.12 \text{ Torr} \mid \leq 1.5 \text{ mbar}$ Ultimate pressure without gas ballast $\leq 3 \cdot 10^{-1} \text{ hPa} \mid \leq 2.25 \cdot 10^{-1} \text{ Torr} \mid$ $\leq 3 \cdot 10^{-1} \text{ mbar}$ Water vapor capacity 50 Hz $\leq 1.00 \text{ mbar}$ Water vapor capacity 60 Hz $\leq 1.00 \text{ mbar}$ Water vapor tolerance at 50 Hz $\leq 1.00 \text{ mbar}$ Water vapor tolerance at 60 Hz $\leq 1.00 \text{ mbar}$ Water vapor tolerance at 60 Hz $\leq 1.00 \text{ mbar}$	Sealing gas	false
Ultimate pressure without gas ballast $\leq 3 \cdot 10^{-1} \text{ hPa} \mid \leq 2.25 \cdot 10^{-1} \text{ Torr} \mid \\ \leq 3 \cdot 10^{-1} \text{ mbar}$ 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	Switch New	No
≤ 3 · 10 ⁻¹ mbar Water vapor capacity 50 Hz Water vapor capacity 60 Hz Water vapor tolerance at 50 Hz Water vapor tolerance at 60 Hz 40 hPa 30 Torr 40 mbar 40 hPa 30 Torr 40 mbar	Ultimate pressure with gas ballast	≤ 1.5 hPa ≤ 1.12 Torr ≤ 1.5 mbar
Water vapor capacity 60 Hz Water vapor tolerance at 50 Hz Water vapor tolerance at 60 Hz 1800 g/h 40 hPa 30 Torr 40 mbar 40 hPa 30 Torr 40 mbar	Ultimate pressure without gas ballast	· · · · · · · · · · · · · · · · · · ·
Water vapor tolerance at 50 Hz 40 hPa 30 Torr 40 mbar Water vapor tolerance at 60 Hz 40 hPa 30 Torr 40 mbar	Water vapor capacity 50 Hz	1800 g/h
Water vapor tolerance at 60 Hz 40 hPa 30 Torr 40 mbar	Water vapor capacity 60 Hz	1800 g/h
	Water vapor tolerance at 50 Hz	40 hPa 30 Torr 40 mbar
Weight 64.5 kg 142.2 lb	Water vapor tolerance at 60 Hz	40 hPa 30 Torr 40 mbar
	Weight	64.5 kg 142.2 lb

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Pfeiffer Hena 61 **Pumping Curves**







PROVAC SALES, INC. 3131 SOQUEL DRIVE, SOQUEL CA 95073

831-462-3536 WWW.PROVAC.COM

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

