



# Pfeiffer Hena 41

## Technical Specifications

Hena 41	
Ambient temperature	12-40 °C   53.6-104 °F   285-313 K
Cooling method, standard	Air
Dimensions (L x W x H)	629 x 285 x 272 mm   24.76 x 11.22 x 10.71 inch
Emission sound pressure level without gas ballast at 50 Hz	≤ 63 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 <sup>-3</sup> Pa m <sup>3</sup> /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	40 m <sup>3</sup> /h
Nominal pumping speed at 60 Hz	48 m <sup>3</sup> /h
Operating fluid	P3
Operating fluid filling	1 l
Protection category	IP55
Rated power 50 Hz	1.4 kW
Rated power 60 Hz	1.7 kW
Rotation speed at 50 Hz	1,500 rpm   1,500 min <sup>-1</sup>
Rotation speed at 60 Hz	1,800 rpm   1,800 min <sup>-1</sup>
Switch New	No
Ultimate pressure with gas ballast	≤ 1.5 hPa   ≤ 1.12 Torr   ≤ 1.5 mbar
Ultimate pressure without gas ballast	≤ 3 · 10 <sup>-1</sup> hPa   ≤ 2.25 · 10 <sup>-1</sup> Torr   ≤ 3 · 10 <sup>-1</sup> mbar
Water vapor capacity 50 Hz	1100 g/h
Water vapor capacity 60 Hz	1100 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	49.5 kg   109.13 lb



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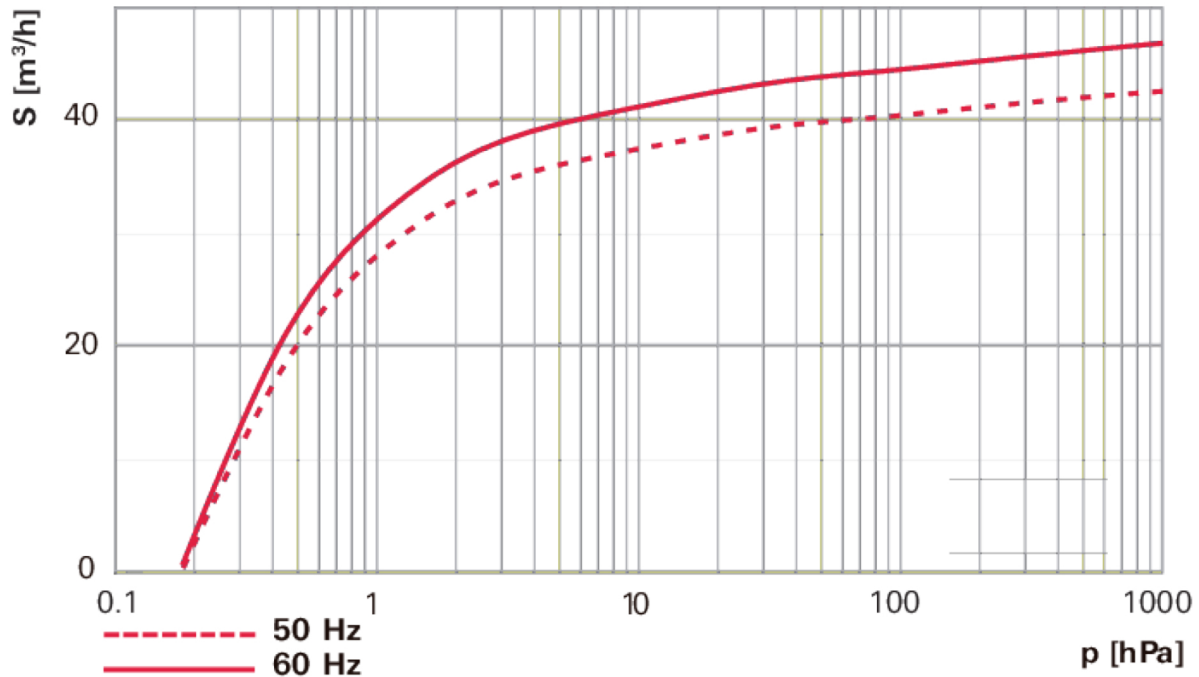
## SALES

PHONE: 831-462-8900

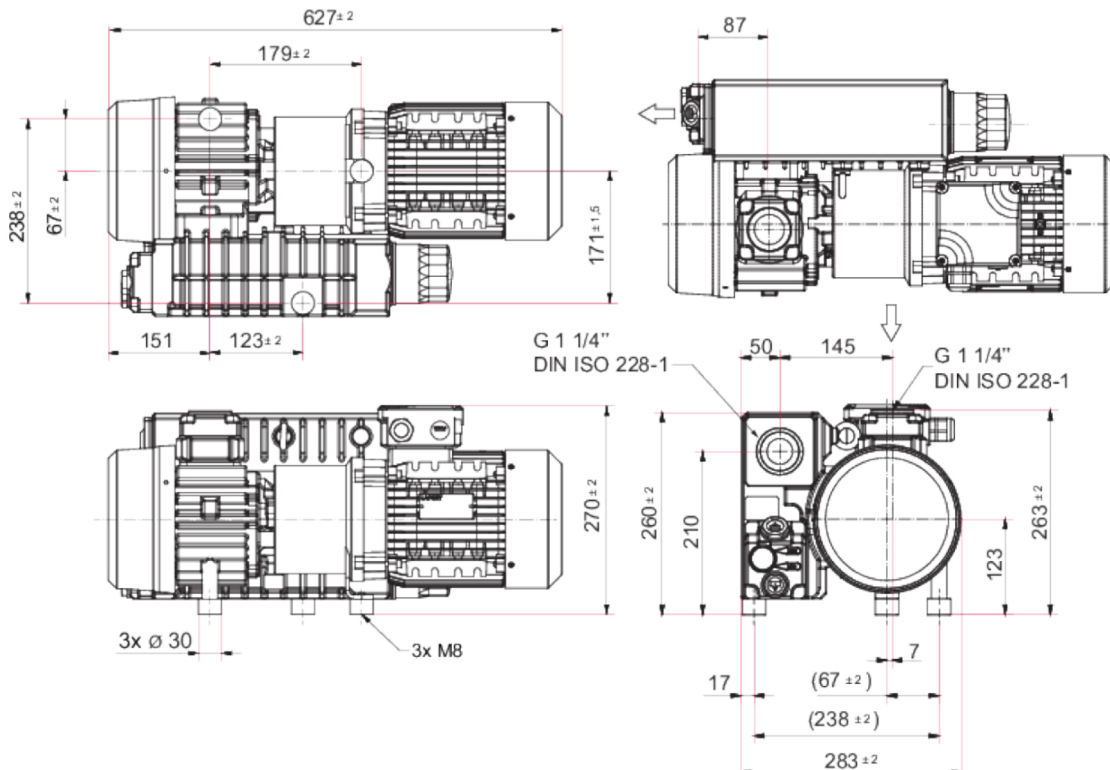
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## Pfeiffer Hena 41 Pumping Curves



## Dimensions





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## Pfeiffer Hena 41 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

