



# Pfeiffer Hena 101

## Technical Specifications

Hena 101	
Ambient temperature	12-40 °C   53.6-104 °F   285-313 K
Cooling method, standard	Air
Dimensions (L x W x H)	695 x 408 x 292 mm   27.36 x 16.06 x 11.5 inch
Emission sound pressure level without gas ballast at 50 Hz	≤ 65 dB(A)
Emission sound pressure level without gas ballast at 60 Hz	≤ 68 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	100 m <sup>3</sup> /h
Nominal pumping speed at 60 Hz	120 m <sup>3</sup> /h
Operating fluid	P3
Operating fluid filling	2 l
Protection category	IP55
Rated power 50 Hz	2.7 kW
Rated power 60 Hz	3.4 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>
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 <sup>-1</sup> hPa   ≤ 2.25 · 10 <sup>-1</sup> Torr   ≤ 3 · 10 <sup>-1</sup> mbar
Water vapor capacity 50 Hz	2800 g/h
Water vapor capacity 60 Hz	2800 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	78 kg   171.96 lb





# PROVAC

## SALES

PHONE: 831-462-8900

FAX: 831-462-3536

WWW.PROVAC.COM

## Pfeiffer Hena 101 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

