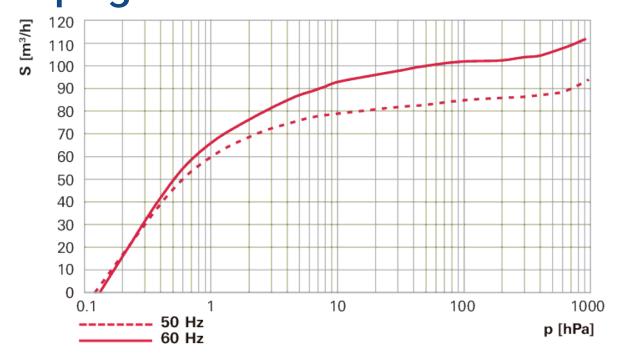
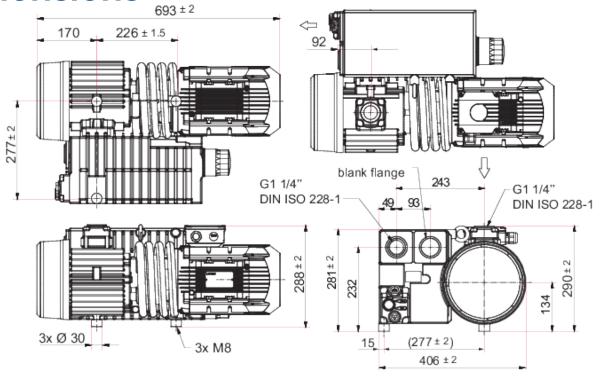
## Pfeiffer Hena 101 **Technical Specifications**

	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 11/4"
Flange (out)	Female thread G 11/4"
Inert gas unit	No
Leak rate safety valve	≤ 8 · 10 <sup>-3</sup> 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	100 m³/h
Nominal pumping speed at 60 Hz	120 m³/h
Operating fluid	P3
Operating fluid filling	21
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
-	

## Pfeiffer Hena 101 **Pumping Curves**



#### **Dimensions**



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# 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

