



Pfeiffer MVP 160-3

Technical Specifications

MVP 160-3, Diaphragm pump, 230 V, 50 / 60 Hz	
Ambient temperature	10-40 °C 50-104 °F 283-313 K
Cooling method, standard	Air
Emission sound pressure level without gas ballast or purge	52 dB(A)
Exhaust pressure, max.	1,100 hPa 825 Torr 1,100 mbar
Flange (in)	DN 25 ISO-KF
Flange (out)	G ¼" + silencer
Intake pressure max.	1,100 hPa 825 Torr 1,100 mbar
Leak rate	$\leq 2 \cdot 10^{-3}$ Pa m ³ /s
Mains requirement: voltage	230 V
Mains requirement: voltage (range)	±10 %
Motor version	1-ph motor
Number of pumping stages	8
Operating altitude, max.	2000 m
Protection category	IP20
Pumping speed at 50 Hz	9.6 m ³ /h
Pumping speed at 60 Hz	10.4 m ³ /h
Rated current absorption	2.8 A
Rotation speed at 50 Hz	1,500 rpm 1,500 min ⁻¹
Rotation speed at 60 Hz	1,800 rpm 1,800 min ⁻¹
Switch New	Yes
Temperature: Storage	-10-60 °C 14-140 °F 263-333 K
Ultimate pressure without gas ballast	≤ 2 hPa ≤ 1.5 Torr ≤ 2 mbar
Weight	25 kg 55.12 lb



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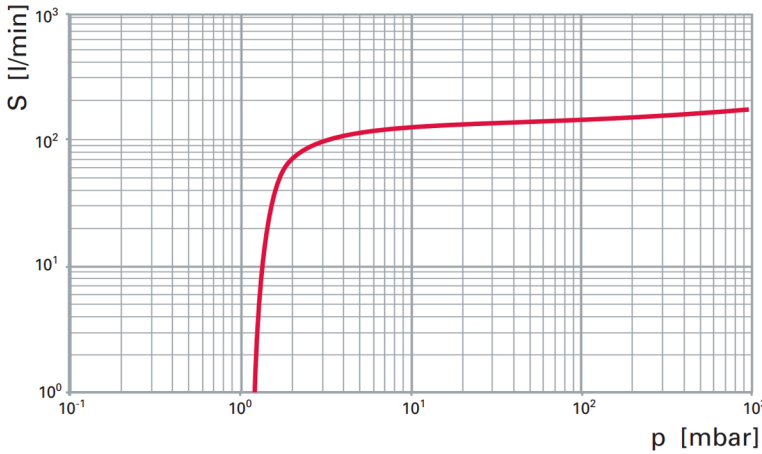
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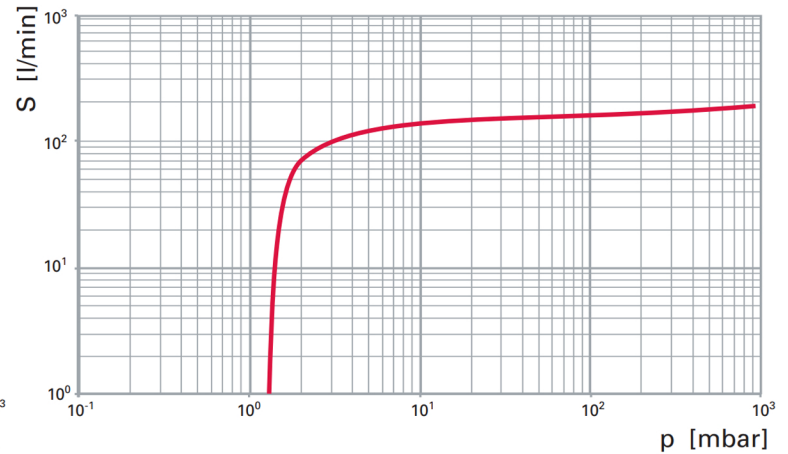
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Pfeiffer MVP 160-3 Pumping Curves

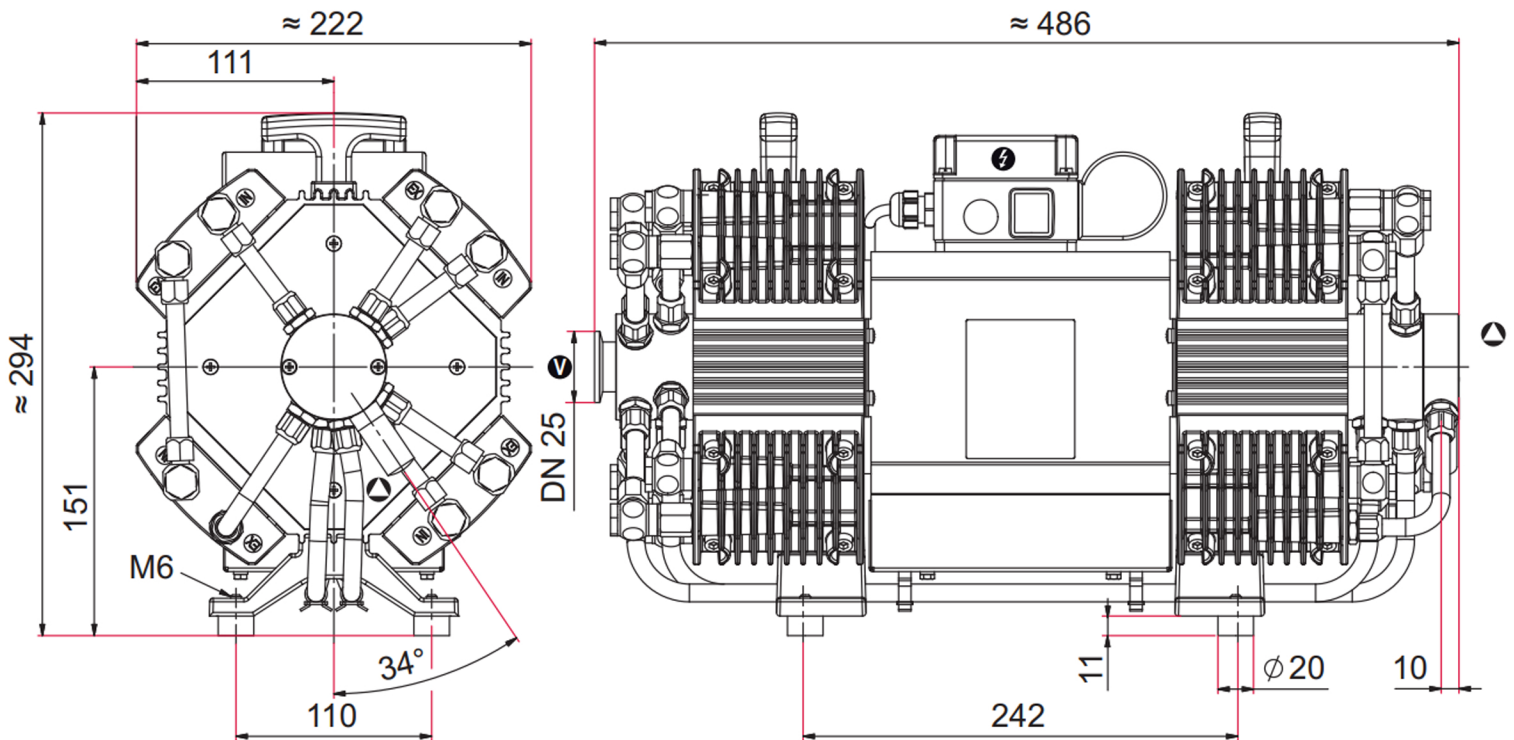
50Hz



60Hz



Dimensions





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Features & Benefits

- ideal backing pump for turbos
- absolutely dry & oil-free vacuum
- long lifespan
- compact design
- low vibration & sound
- high operating safety
- maintenance friendly through easy diaphragm & valve exchange

Applications

- backing pump for turbos • systems & pumping stations • laboratories
- research & development • analytics • chemical industry • leak detection • clean & dry vacuum applications

