



# Pfeiffer UNO 6, 6M

## Technical Specifications

Parameter	Uno 6	Uno 6 M
Flange (in)	DN 16 ISO-KF	DN 16 ISO-KF
Flange (out)	DN 16 ISO-KF	DN 16 ISO-KF
Pumping speed at 50 Hz	4.8 m <sup>3</sup> /h	4.8 m <sup>3</sup> /h
Pumping speed at 60 Hz	5.8 m <sup>3</sup> /h	5.8 m <sup>3</sup> /h
Ultimate pressure with gas ballast	5 · 10 <sup>-1</sup> hPa	5 · 10 <sup>-1</sup> hPa
Ultimate pressure without gas ballast	3 · 10 <sup>-2</sup> hPa	3 · 10 <sup>-2</sup> hPa
Exhaust pressure, min.	Atmospheric pressure	250 hPa
Exhaust pressure, max.	1500 hPa	1500 hPa
Rotation speed at 50 Hz	3000 min <sup>-1</sup>	3000 min <sup>-1</sup>
Rotation speed at 60 Hz	3600 min <sup>-1</sup>	3600 min <sup>-1</sup>
Leak rate safety valve	≤ 1 · 10 <sup>-5</sup> Pa m <sup>3</sup> /s	≤ 1 · 10 <sup>-5</sup> Pa m <sup>3</sup> /s
Emission sound pressure level without gas ballast at 50 Hz	56 ±2 dB (A)	56 ±2 dB (A)
Emission sound pressure level without gas ballast at 60 Hz	59 ±2 dB (A)	59 ±2 dB (A)
Ambient temperature	12-40 °C	12-40 °C
Protection category	IP40	IP40
Rated power 50 Hz	0.15 kW	0.15 kW
Rated power 60 Hz	0.18 kW	0.18 kW
Motor version	1-phase Motor	1-phase Motor
Switch	Yes	Yes
Mains cable	No, C14-plug in the terminal box	No, C14-plug in the terminal box
Shipping and storage temperature	-25-+55 °C	-25-+55 °C
Operating fluid filling	0.4 l	0.4 l
Gas ballast	Yes	Yes
Weight	11.6 kg	12 kg
Cooling method, standard	Air	Air





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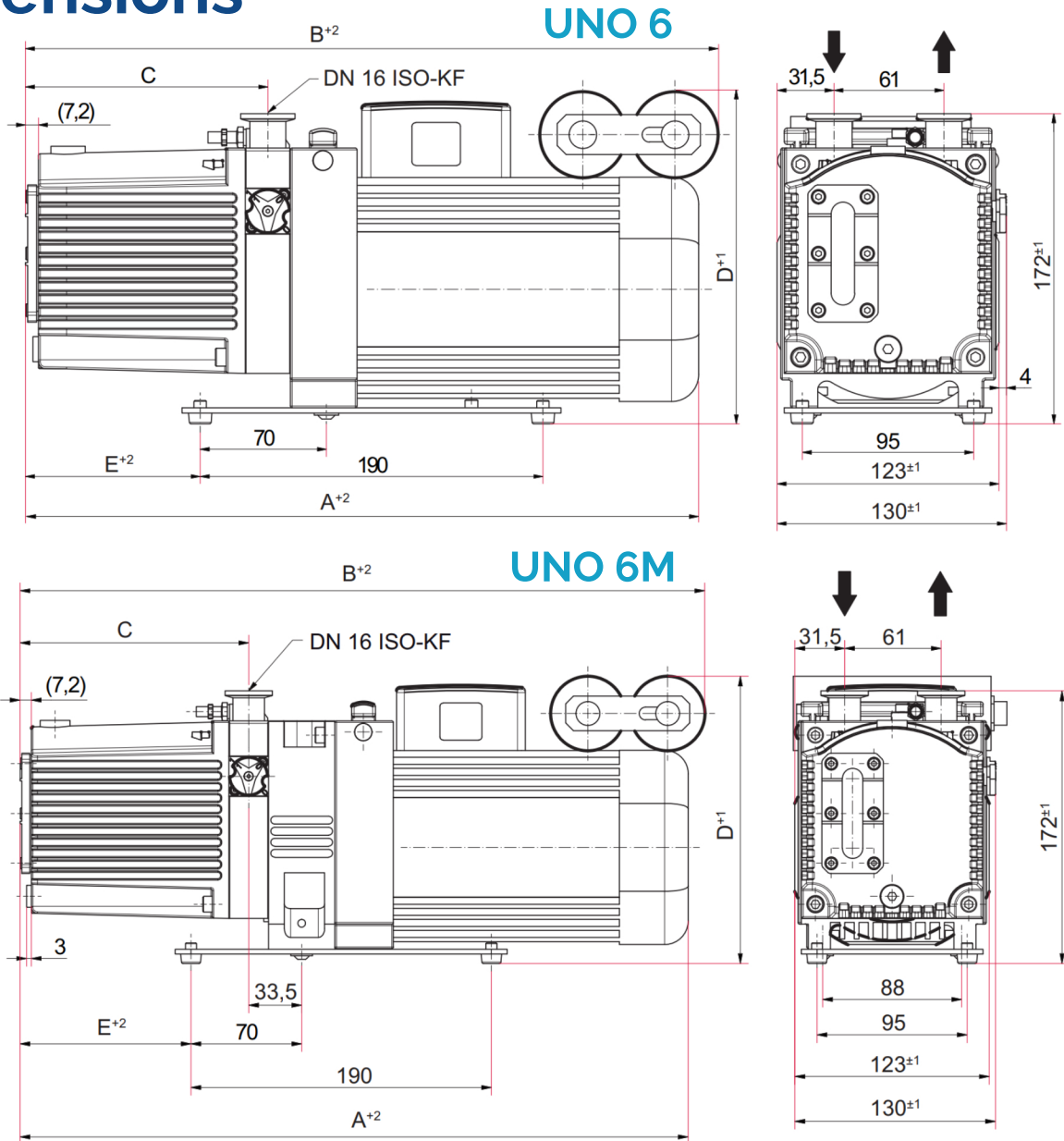
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# Pfeiffer UNO 6, 6M

## Dimensions



Di- men- sions	Uno 6, 1-phase motor, 105 V, 50 Hz; 115-125 V, 60 Hz	Uno 6, 1-phase motor, 230-240 V, 50 Hz; 230-240 V, 60 Hz	Uno 6 M, 1-phase Motor, 230-240 V, 50/60 Hz
A	309 mm	309 mm	351 mm
B	319 mm	309 mm	351 mm
C	123 mm	123 mm	123 mm
D	176 mm	176 mm	176 mm
E	85.5 mm	85.5 mm	85.5 mm



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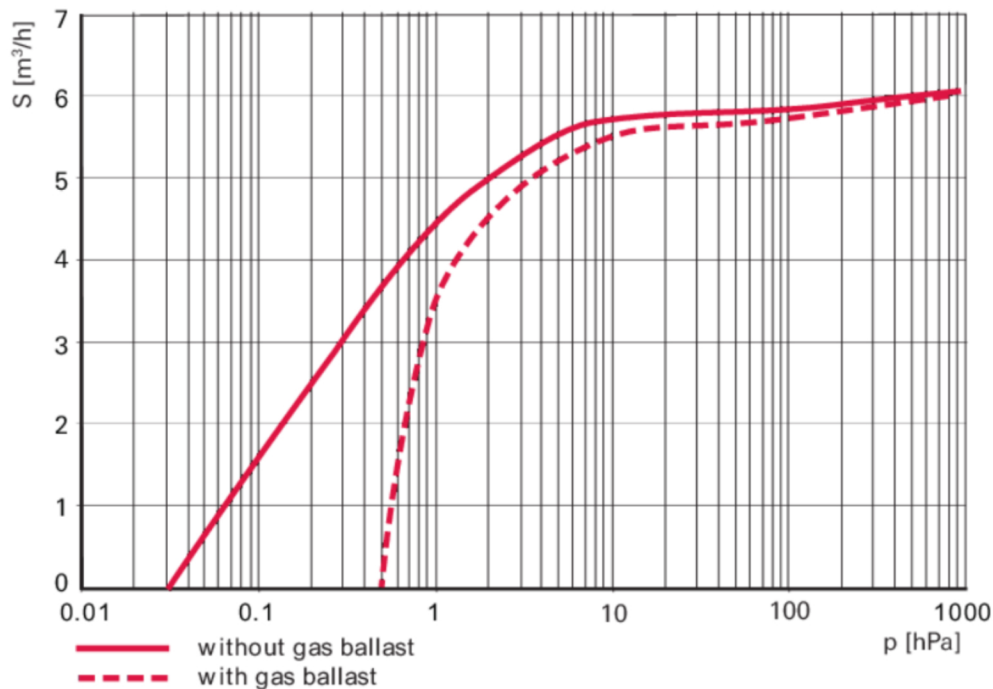
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## Pfeiffer UNO 6, 6M Pumping Curves



## Features & Benefits

- M version: with magnetic coupling
- very low ultimate pressure compared to other single-stage pumps
- minimal space requirement due to compact design
- easy installation & integration
- single-phase universal motor available
- integrated gas ballast and safety valve
- most compact pump in this pumping speed class

## Applications

- research & development
- analytics
- mass spectrometry
- backing pump for turbo pumps
- insulating vacuum