



# PROVAC

## S A L E S

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## Pfeiffer DUO 125M, DUO 255M Technical Specifications

	Duo 125 M	Duo 255 M
Flange (out)	DN 63 ISO-F	DN 100 ISO-F
Flange (in)	DN 63 ISO-F	DN 100 ISO-F
Exhaust pressure. max.	1500 hPa	1500 hPa
Operating fluid filling	14 l	25 l
Rotation speed at 50 Hz	1,000 min <sup>-1</sup>	1,000 min <sup>-1</sup>
Rotation speed at 60 Hz	1,200 min <sup>-1</sup>	1,200 min <sup>-1</sup>
Emission sound pressure level without gas ballast at 50 Hz	75 dB (A)	75 dB (A)
Ultimate pressure with gas ballast	4 · 10 <sup>-3</sup> hPa	4 · 10 <sup>-3</sup> hPa
Ultimate pressure without gas ballast	2 · 10 <sup>-3</sup> hPa	3 · 10 <sup>-3</sup> hPa
Weight	245 kg	397 kg
Cooling method. standard	Air	Air
Leak rate magnetic coupling (MC version)		
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
Rated power 50 Hz	4.0 kW	7.5 kW
Rated power 60 Hz	4.5 kW	9.0 kW
Pumping speed at 50 Hz	115 m <sup>3</sup> /h	250 m <sup>3</sup> /h
Pumping speed at 60 Hz	135 m <sup>3</sup> /h	300 m <sup>3</sup> /h
Switch	No	No
Protection category	IP 55	IP 55
Ambient temperature	12–40 °C	12–40 °C

Sound pressure level according to ISO 3744. class 2; Typical ultimate pressure according to PNEUROP



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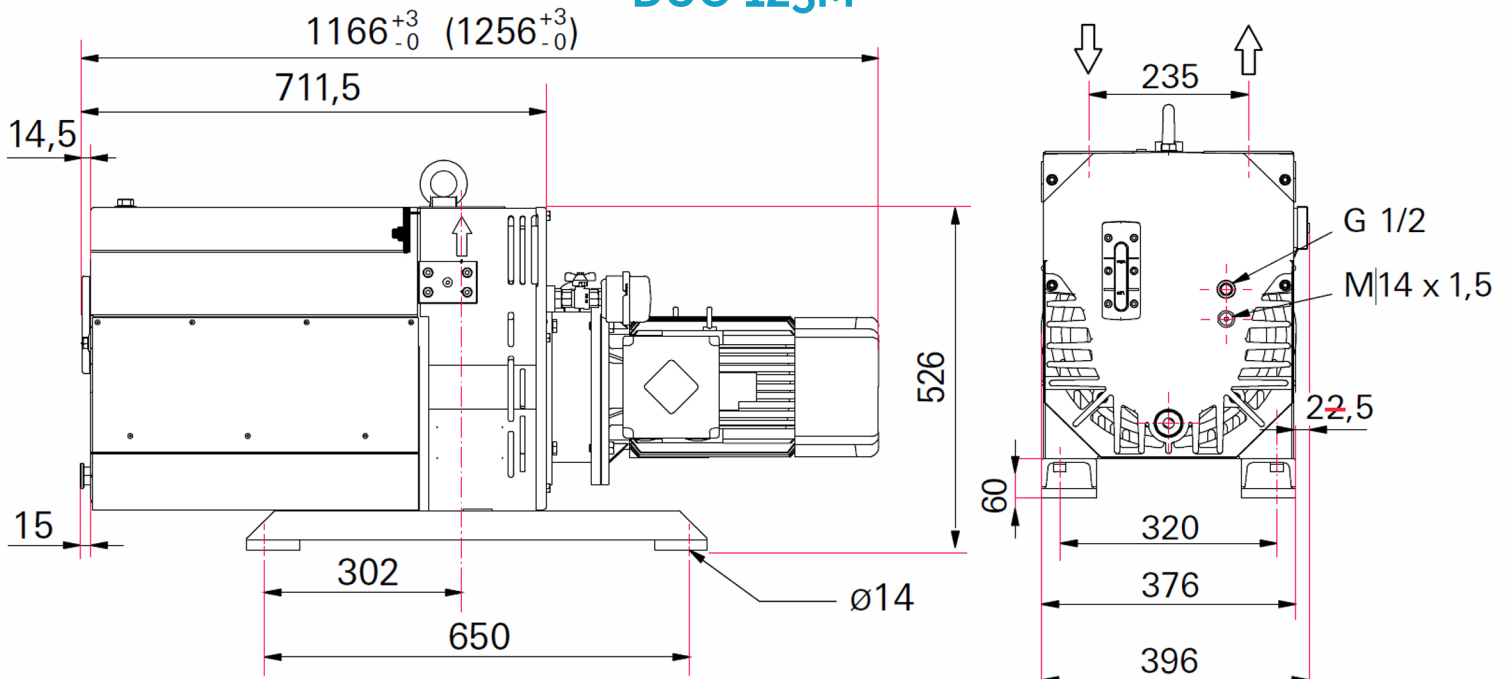
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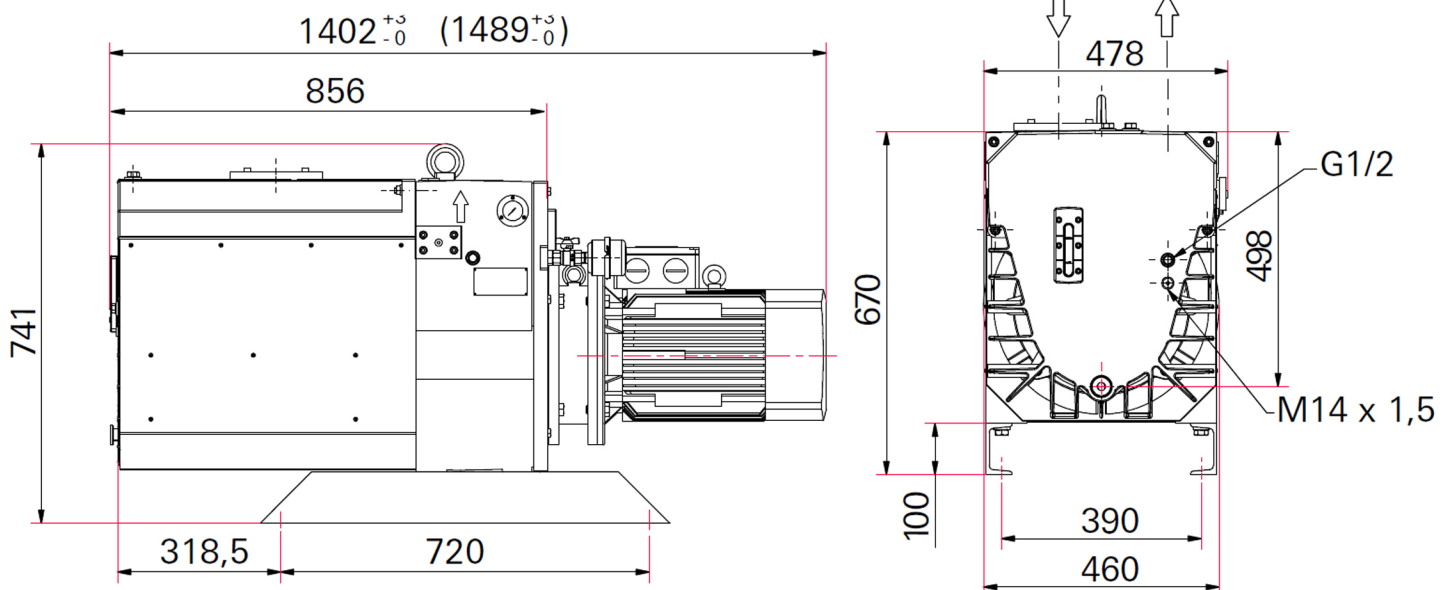
# Pfeiffer DUO 125M, DUO 255M

## Dimensions

### DUO 125M



### DUO 255M





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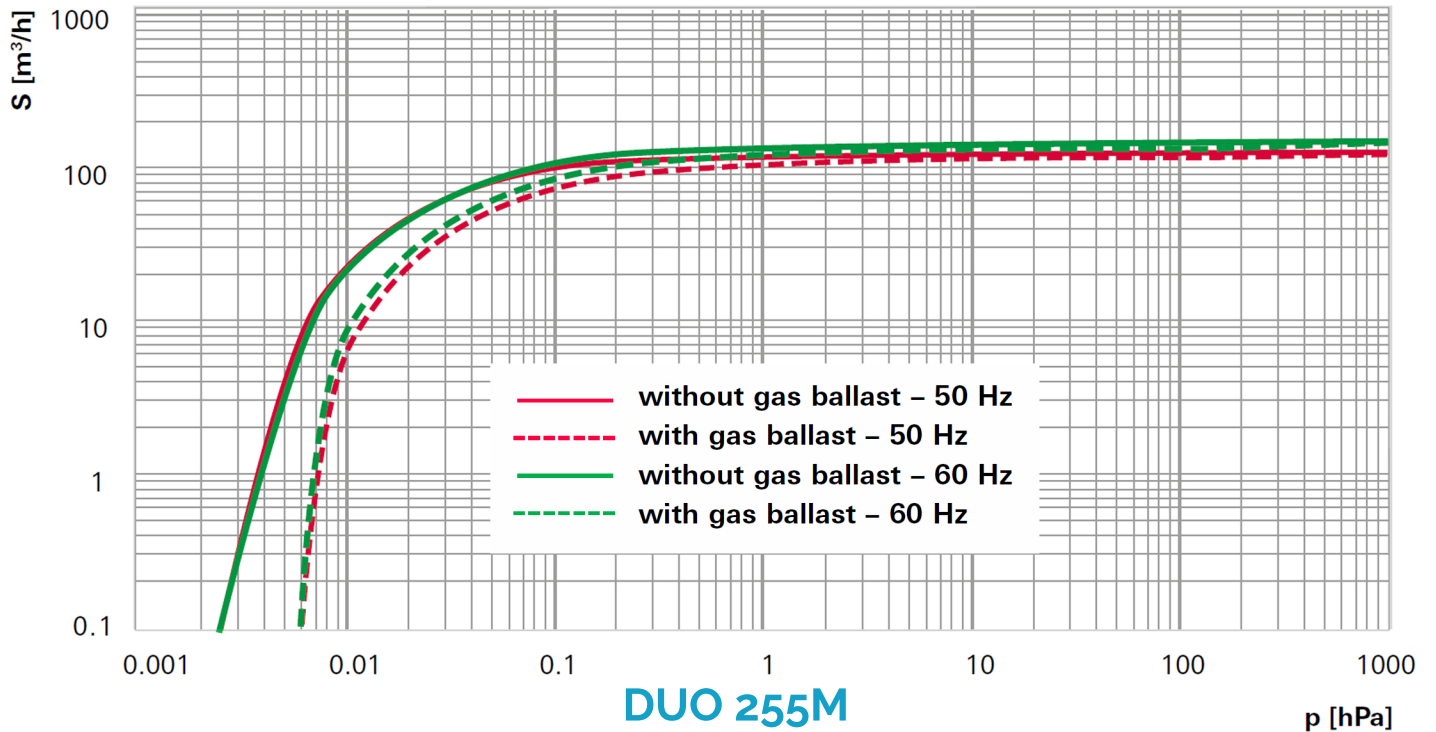
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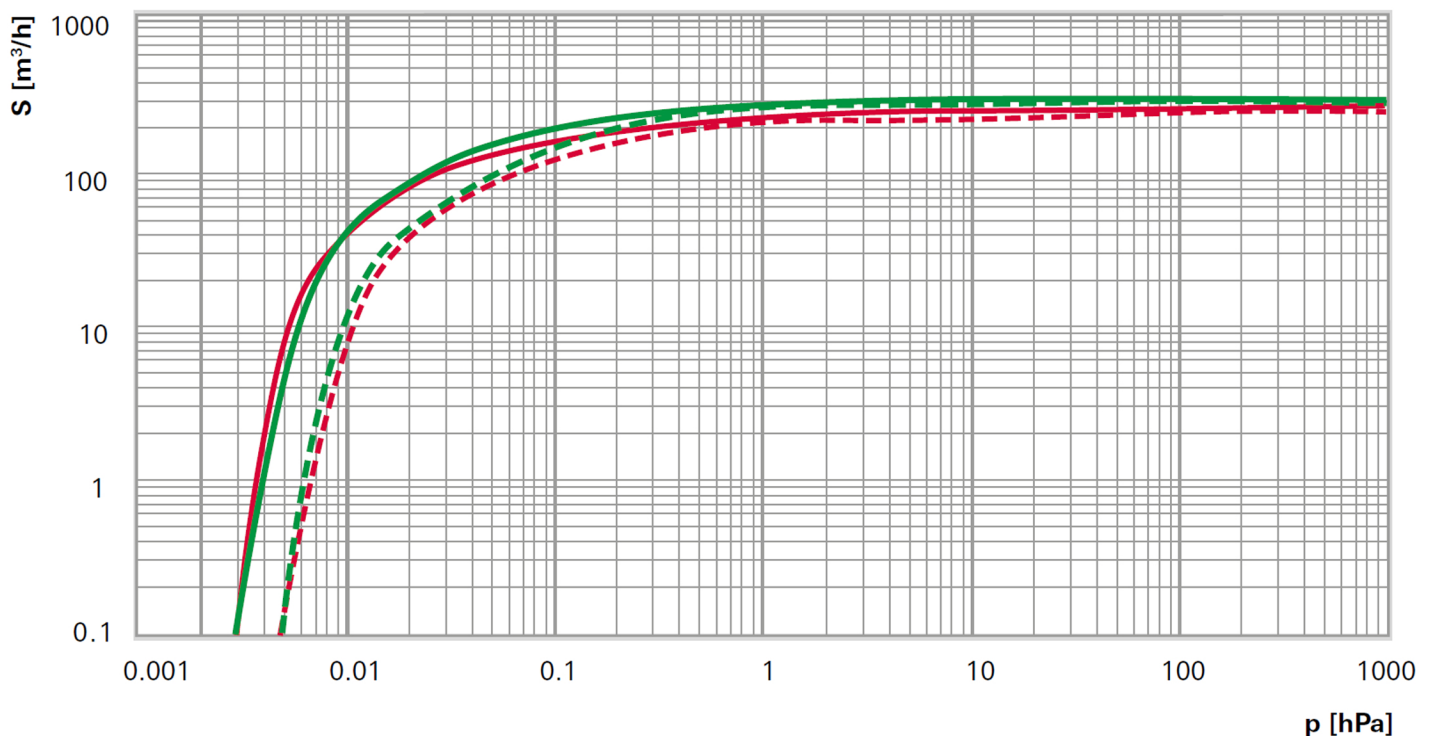
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# Pfeiffer DUO 125M, DUO 255M Pumping Curves

## DUO 125M



## DUO 255M





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## Pfeiffer DUO 125M, DUO 255M

### Features & Benefits

- two stage rotary vane pump
- integrated gas ballast & HV safety valve
- magnetically coupled
- long service life
- clean & environmentally friendly
- various motor voltages for worldwide employment
- integrated, hydraulically controlled high-vacuum safety valve
- compact design & optimized cooling make for great system integration
- integrated connection for oil return simplifies retrofitting of oil mist filter

### Applications

- low & medium vacuum • backing pump for turbo & roots • general laboratory use • analytics • chemical laboratory • freeze drying
- process engineering

