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Pfeiffer DUO 35M, 65M, MC Technical Specifications

	Duo 35 M	Duo 65 M
Flange (out)	DN 40 ISO-KF	DN 40 ISO-KF
Flange (in)	DN 40 ISO-KF	DN 40 ISO-KF
Exhaust pressure. max.	1500 hPa	1500 hPa
Operating fluid filling	3.2 l	4.2 l
Rotation speed at 50 Hz	1,500 min ⁻¹	1,500 min ⁻¹
Rotation speed at 60 Hz	1,800 min ⁻¹	1,800 min ⁻¹
Emission sound pressure level without gas ballast at 50 Hz	61 dB (A)	61 dB (A)
Ultimate pressure with gas ballast	3 · 10 ⁻³ hPa	3 · 10 ⁻³ hPa
Ultimate pressure without gas ballast	2 · 10 ⁻³ hPa	2 · 10 ⁻³ hPa
Weight	70 kg	78 kg
Cooling method. standard	Air	Air
Leak rate magnetic coupling (MC version)	≤ 1 · 10 ⁻⁷ Pa m ³ /s	≤ 1 · 10 ⁻⁷ Pa m ³ /s
Leak rate safety valve	≤ 1 · 10 ⁻⁵ Pa m ³ /s	≤ 1 · 10 ⁻⁵ Pa m ³ /s
Rated power 50 Hz	1.5 kW	1.5 kW
Rated power 60 Hz	1.5 kW	1.8 kW
Pumping speed at 50 Hz	32 m ³ /h	62 m ³ /h
Pumping speed at 60 Hz	36 m ³ /h	70 m ³ /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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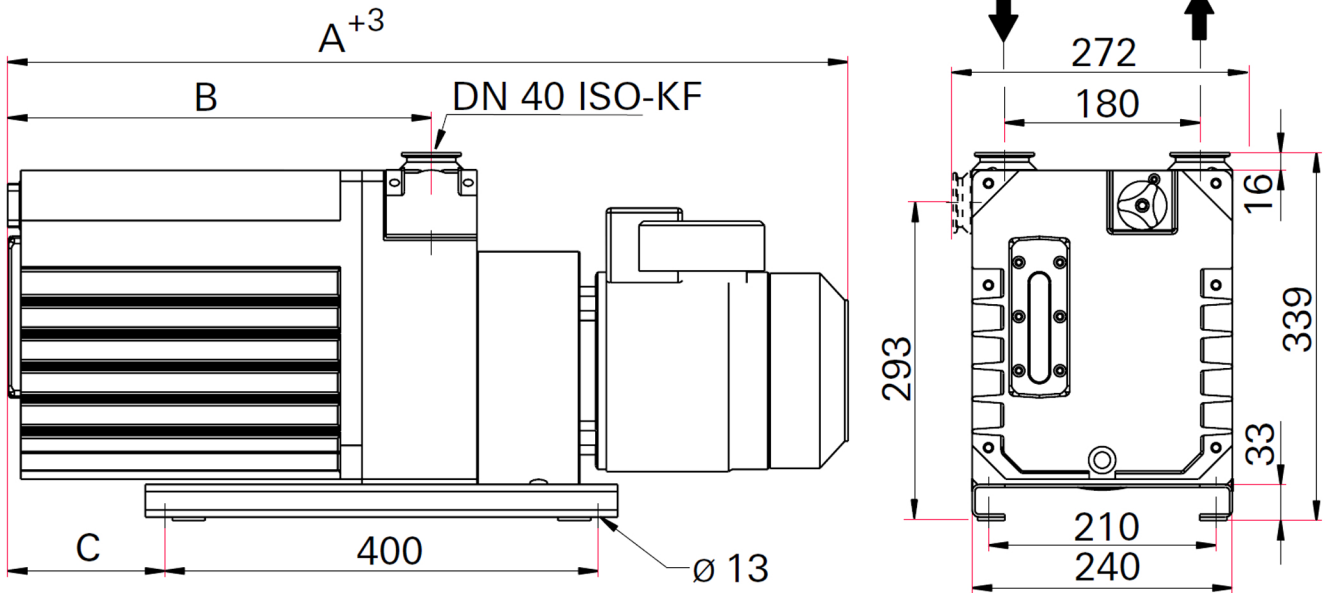
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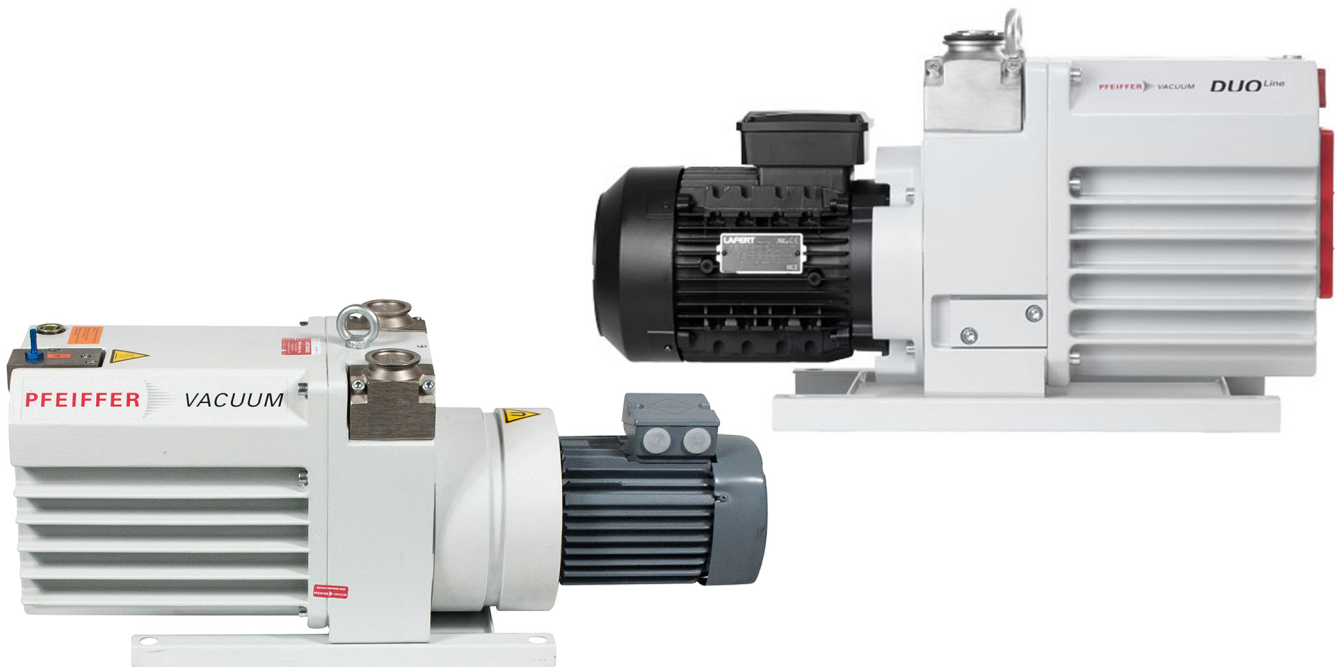
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Pfeiffer DUO 35M, 65M, MC

Dimensions



	Duo 35 / Duo 35 C	Duo 35 M	Duo 35 MC	Duo 65 / Duo 65 C	Duo 65 M	Duo 65 MC
A	658	704	739	744	784	819
B	312	312	312	392	392	392
C	66	66	66	146	146	146





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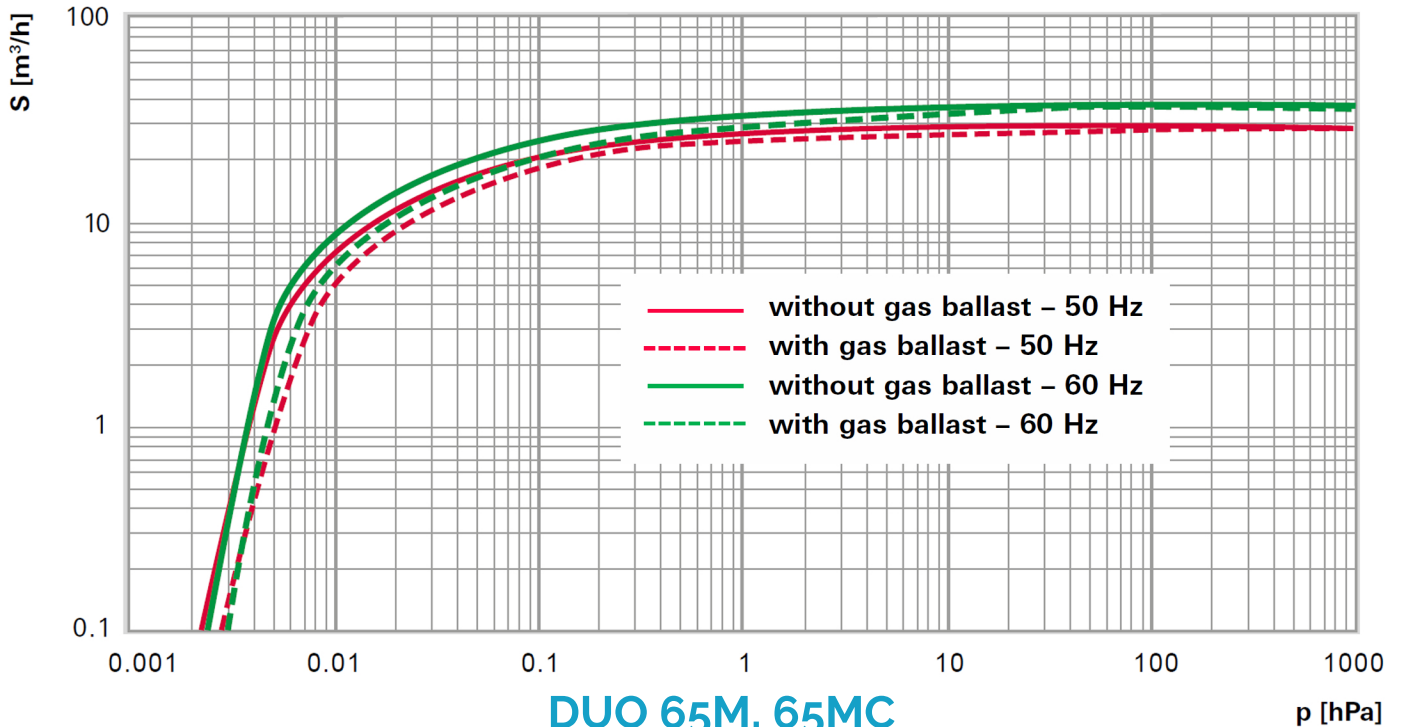
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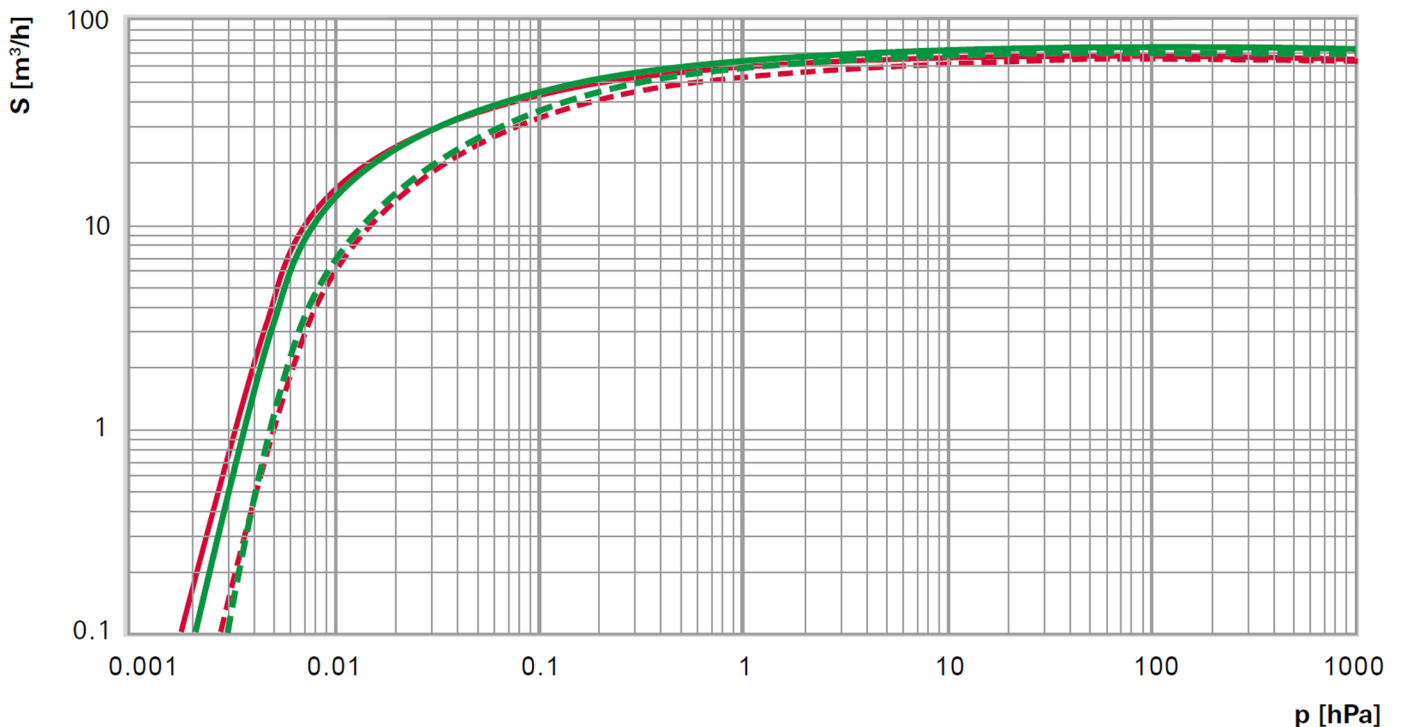
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Pfeiffer DUO 35M, 65M, MC Pumping Curves

DUO 35M, 35MC



DUO 65M, 65MC





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Pfeiffer DUO 35M, 65M, MC 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