

DOLPHIN LM 0100-0270 A

Liquid ring vacuum pumps and compressors



VACUUM SOLUTIONS

Part of the **BUSCH** GROUP



Robust

Proven technology, durable single-stage construction, corrosion-free stainless steel impeller, direct flange-mounted motor, no base frame required, integrated flow channel

Reliable

Extremely high vapor and particle tolerance, optimized gas flow

Flexible

Choice of cast iron (EN-GJL-200) or 316 grade stainless steel material housings, ATEX-certified version available (Cat 1(i/o) IIC T4), operating fluids other than water possible

Accessories, spare parts and options

- Modular pumpsets, configured for once-through, partial or total recirculation of the operating fluid
- Liquid separator
- Cavitation protection
- Heat exchanger
- Gas ejector
- Wide selection of motors
- Non-return valves
- Vacuum relief valves
- Variable speed drive (only for LM 0180/0270 A)

DOLPHIN LM 0100–0270 A

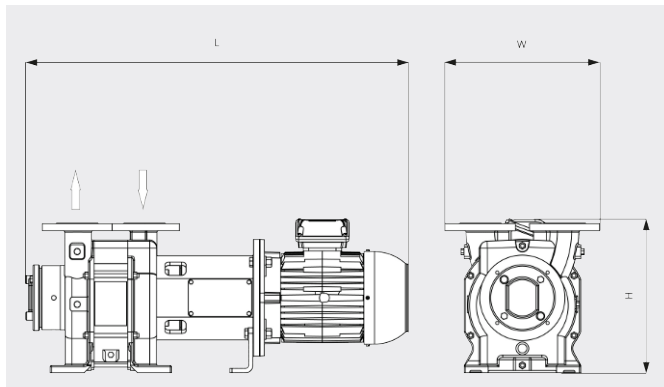
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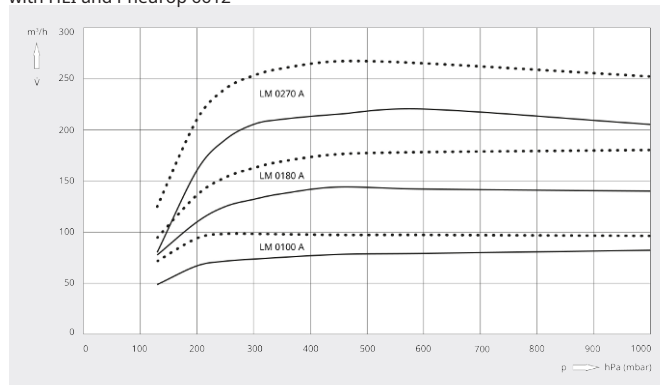
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Dimensional drawing



Pumping speed

Dry air at 20 °C. Operating fluid water
15°C. Tolerance: - 10%, in accordance
with HEI and Pneurop 6612



	DOLPHIN LM 0100 A	DOLPHIN LM 0180 A	DOLPHIN LM 0270 A
Nominal pumping speed	82 / 97 m³/h (50 / 60 Hz)	144 / 180 m³/h (50 / 60 Hz)	220 / 267 m³/h (50 / 60 Hz)
Ultimate pressure	130 hPa (mbar) (50 / 60 Hz)	130 hPa (mbar) (50 / 60 Hz)	130 hPa (mbar) (50 / 60 Hz)
Max. overpressure	0.8 bar(g) (50 / 60 Hz)	1.5 bar(g) (50 / 60 Hz)	1.5 bar(g) (50 / 60 Hz)
Nominal motor rating	2.2 / 3.0 kW (50 / 60 Hz)	4.0 / 5.5 kW (50 / 60 Hz)	5.5 / 7.5 kW (50 / 60 Hz)
Nominal motor speed	1450 / 1750 min ⁻¹ (50 / 60 Hz)	1450 / 1750 min ⁻¹ (50 / 60 Hz)	1450 / 1750 min ⁻¹ (50 / 60 Hz)
Sound pressure level (ISO 3744), 1 m distance, at medium load	70 / 71 dB(A) (50 / 60 Hz)	70 / 71 dB(A) (50 / 60 Hz)	70 / 71 dB(A) (50 / 60 Hz)
Weight approx.	110 kg	122 kg	157 kg
Dimensions (L x W x H)	811 x 330 x 329 mm	879 x 330 x 351 mm	988 x 330 x 380 mm
Gas inlet / outlet	DN 40 PN 10 / DN 40 PN 10	DN 40 PN 10 / DN 40 PN 10	DN 40 PN 10 / DN 40 PN 10

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