

DOLPHIN LM 0530/0800 A

Liquid ring vacuum pumps and compressors



VACUUM SOLUTIONS



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

- 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

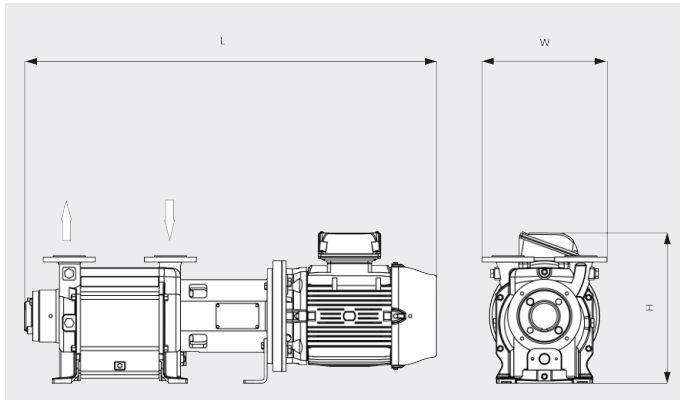
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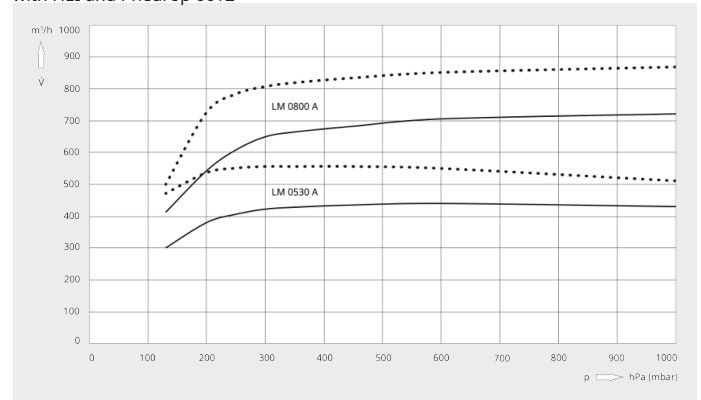
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Dimensional drawing



Pumping speed

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



	DOLPHIN LM 0530 A	DOLPHIN LM 0800 A
Nominal pumping speed	440 / 556 m ³ /h (50 / 60 Hz)	722 / 867 m ³ /h (50 / 60 Hz)
Ultimate pressure	130 hPa (mbar) (50 / 60 Hz)	130 hPa (mbar) (50 / 60 Hz)
Max. overpressure	1.5 bar(g) (50 / 60 Hz)	1.5 bar(g) (50 / 60 Hz)
Nominal motor rating	11.0 / 15.0 kW (50 / 60 Hz)	18.5 / 22.0 kW (50 / 60 Hz)
Nominal motor speed	1450 / 1750 min ⁻¹ (50 / 60 Hz)	1450 / 1750 min ⁻¹ (50 / 60 Hz)
Noise level (ISO 2151)	72 / 73 dB(A) (50 / 60 Hz)	75 / 76 dB(A) (50 / 60 Hz)
Weight approx.	317 kg	340 kg
Dimensions (L x W x H)	1297 x 396 x 478 mm	1457 x 425 x 506 mm
Gas inlet / outlet	DN 50 PN 10 / DN 50 PN 10	DN 65 PN 10 / DN 65 PN 10

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	DOLPHIN LM 0530 A	DOLPHIN LM 0800 A
Nominal pumping speed	327.0 ACFM	510.0 ACFM
Ultimate pressure	100 TORR	100 TORR
Nominal motor rating	15.0 HP	30.0 HP
Nominal motor speed	1800 RPM	1800 RPM
Noise level (ISO 2151)	73 dB(A)	76 dB(A)
Weight approx.	722 Lbs.	924 Lbs.
Dimensions (L x W x H)	51.2 x 17.8 x 15.8 inches	59.7 x 21.5 x 17.7 inches
Gas inlet / outlet	DN 50 PN 10 / ANSI 2" 150 lbs / JIS 50 10K / DN 50 PN 10 / ANSI 2" 150 lbs / JIS 50 10K	DN 65 PN 10 / ANSI 2½" 150 lbs / JIS 65 10K / DN 65 PN 10 / ANSI 2½" 150 lbs / JIS 65 10K

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