

# DOLPHIN LM 0100-0270 A

Liquid ring vacuum pumps and compressors



**VACUUM SOLUTIONS**

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## 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

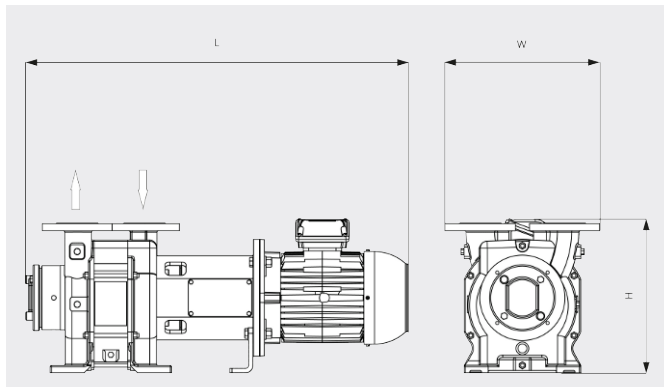
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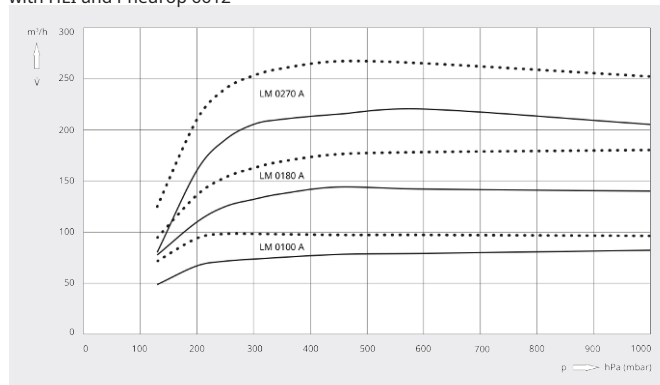
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Dimensional drawing



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

## DO YOU WANT TO KNOW MORE?

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