

# DOLPHIN LT 0320-0510 A

Liquid ring vacuum pumps



VACUUM SOLUTIONS



## Robust

Proven technology, durable two-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

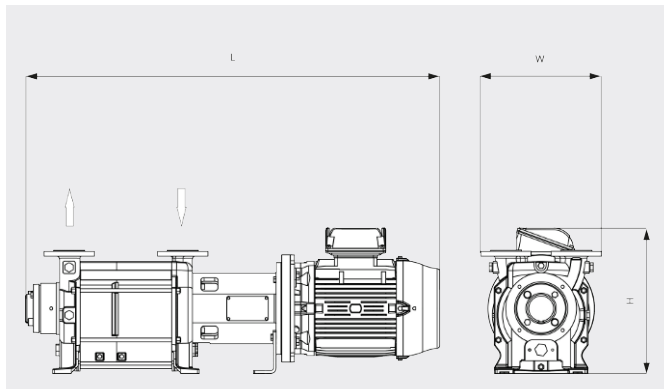
- Modular pumpsets, configured for once-through, partial or total recirculation of the operating fluid
- Liquid separator
- Cavitation protection
- Heat exchanger
- Gas ejector
- Wide selection of motors
- Non-return valves
- Vacuum relief valves
- Variable speed drive

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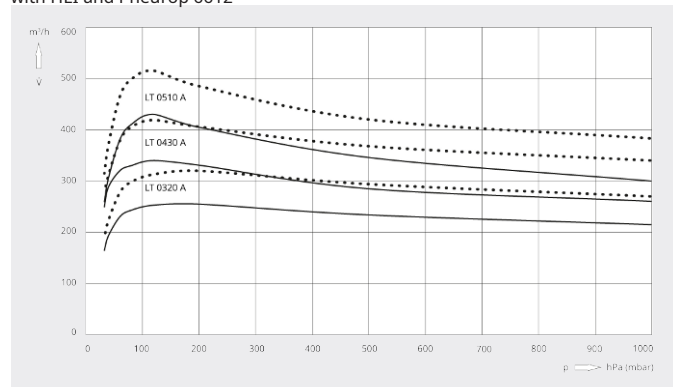


Dimensional drawing



## Pumping speed

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



|                                                               | DOLPHIN LT 0320 A                          | DOLPHIN LT 0430 A                          | DOLPHIN LT 0510 A                          |
|---------------------------------------------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|
| Nominal pumping speed                                         | 255 / 320 m³/h (50 / 60 Hz)                | 340 / 419 m³/h (50 / 60 Hz)                | 430 / 515 m³/h (50 / 60 Hz)                |
| Ultimate pressure                                             | 33 hPa (mbar) (50 / 60 Hz)                 | 33 hPa (mbar) (50 / 60 Hz)                 | 33 hPa (mbar) (50 / 60 Hz)                 |
| Max. overpressure                                             | 1.5 bar(g) (50 / 60 Hz)                    | 1.5 / 1.3 bar(g) (50 / 60 Hz)              | 1.1 bar(g) (50 / 60 Hz)                    |
| Nominal motor rating                                          | 7.5 / 11.0 kW (50 / 60 Hz)                 | 11.0 / 15.0 kW (50 / 60 Hz)                | 11.0 / 15.0 kW (50 / 60 Hz)                |
| Nominal motor speed                                           | 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) |
| Sound pressure level (ISO 3744), 1 m distance, at medium load | 72 / 73 dB(A) (50 / 60 Hz)                 | 72 / 73 dB(A) (50 / 60 Hz)                 | 72 / 73 dB(A) (50 / 60 Hz)                 |
| Weight approx.                                                | 242 kg                                     | 294 kg                                     | 324 kg                                     |
| Dimensions (L x W x H)                                        | 1208 x 396 x 432 mm                        | 1356 x 396 x 478 mm                        | 1416 x 396 x 478 mm                        |
| Gas inlet / outlet                                            | DN 50 PN 10 / DN 50 PN 10                  | DN 50 PN 10 / DN 50 PN 10                  | DN 50 PN 10 / DN 50 PN 10                  |

## DO YOU WANT TO KNOW MORE?

Get in touch with us directly!  
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