

# DOLPHIN LB 3809/4409 A

Liquid ring vacuum pumps



**VACUUM SOLUTIONS**

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## Robust

Proven technology, durable two-stage construction

## Reliable

Extremely high vapor and particle tolerance

## Flexible

Wide range of construction materials, including cast iron (EN-GJL-200), many grades of stainless steel and even titanium, ATEX-certified version available (Cat 1(i)/2(o) IIC T5), operating fluids other than water possible, operation as compressor possible

Accessories, spare parts and options

- Partial or total recirculation systems
- Liquid separator
- Cavitation protection
- Heat exchanger
- Gas ejector
- Wide selection of motors
- Non-return valves
- Vacuum relief valves

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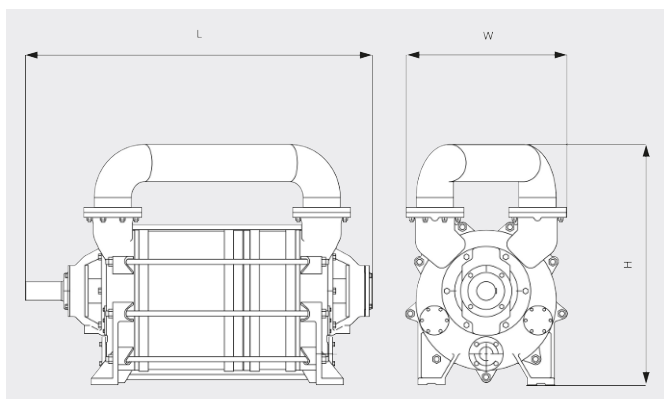
Liquid ring vacuum pumps



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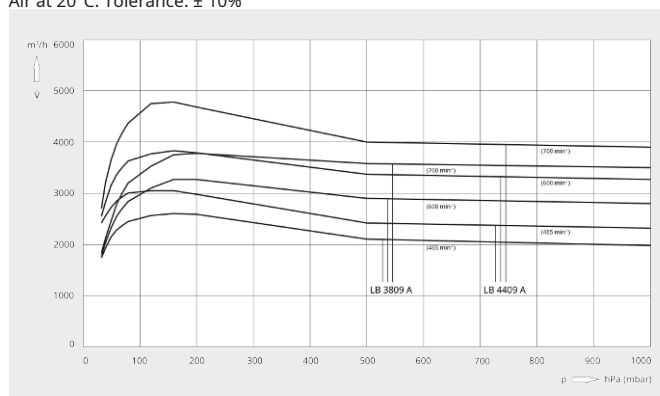
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Dimensional drawing



Pumping speed

Air at 20°C. Tolerance:  $\pm 10\%$



|                                                               | DOLPHIN LB 3809 A                        | DOLPHIN LB 4409 A                        |
|---------------------------------------------------------------|------------------------------------------|------------------------------------------|
| Nominal pumping speed                                         | 2500 – 3800 m³/h (50 / 60 Hz)            | 2600 – 4400 m³/h (50 / 60 Hz)            |
| Ultimate pressure                                             | 33 hPa (mbar) (50 / 60 Hz)               | 33 hPa (mbar) (50 / 60 Hz)               |
| Nominal motor rating                                          | 90 – 150 kW (50 / 60 Hz)                 | 90 – 185 kW (50 / 60 Hz)                 |
| Nominal motor speed                                           | 465 – 700 min <sup>-1</sup> (50 / 60 Hz) | 465 – 700 min <sup>-1</sup> (50 / 60 Hz) |
| Sound pressure level (ISO 3744), 1 m distance, at medium load | 85 dB(A) (50 / 60 Hz)                    | 85 dB(A) (50 / 60 Hz)                    |
| Weight approx.                                                | 2200 kg                                  | 2340 kg                                  |
| Dimensions (L x W x H)                                        | 2025 x 950 x 1410 mm                     | 2150 x 950 x 1410 mm                     |
| Gas inlet / outlet                                            | DN 150 PN 10 / DN 150 PN 10              | DN 200 PN 10 / DN 200 PN 10              |

## DO YOU WANT TO KNOW MORE?

Get in touch with us directly!  
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