

# DOLPHIN LA 3809/5109 A

Liquid ring vacuum pumps



**VACUUM SOLUTIONS**

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## Robust

Proven technology, durable single-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), different operating fluids 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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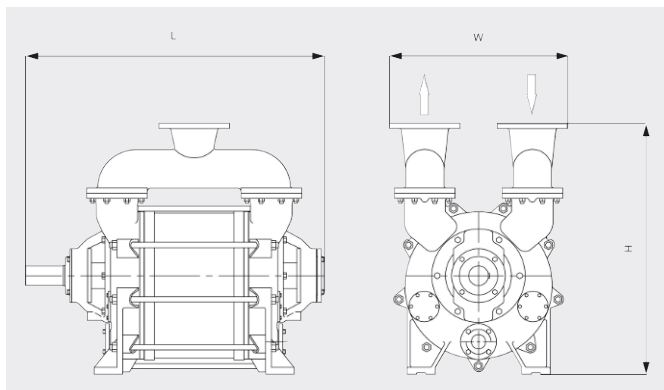
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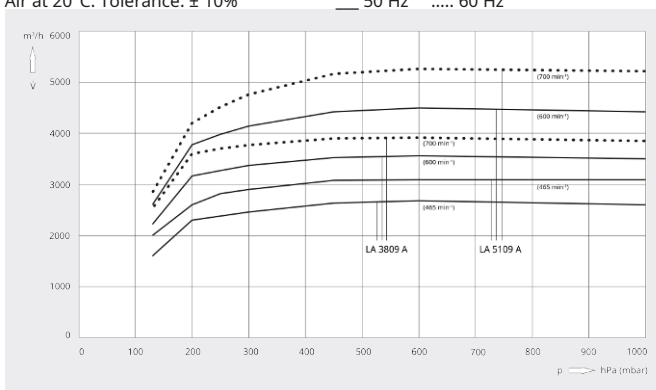
Dimensional drawing



Pumping speed

Air at 20°C. Tolerance:  $\pm 10\%$

— 50 Hz ..... 60 Hz



|                                                               | DOLPHIN LA 3809 A                           | DOLPHIN LA 5109 A                           |
|---------------------------------------------------------------|---------------------------------------------|---------------------------------------------|
| Nominal pumping speed                                         | 2600 – 3600 / 3400 – 3800 m³/h (50 / 60 Hz) | 3600 – 4700 / 4400 – 5100 m³/h (50 / 60 Hz) |
| Ultimate pressure                                             | 130 hPa (mbar)                              | 130 hPa (mbar)                              |
| Nominal motor rating                                          | 75 – 110 / 90 – 132 kW                      | 90 – 132 / 110 – 150 kW                     |
| Nominal motor speed                                           | 465 – 650 / 600 – 700 min⁻¹ (50 / 60 Hz)    | 465 – 650 / 600 – 700 min⁻¹ (50 / 60 Hz)    |
| Sound pressure level (ISO 3744), 1 m distance, at medium load | 85 dB(A)                                    | 85 dB(A)                                    |
| Weight approx.                                                | 2030 kg                                     | 2150 kg                                     |
| Dimensions (L x W x H)                                        | 1665 x 800 x 1400 mm                        | 1790 x 800 x 1400 mm                        |
| Gas inlet / outlet                                            | DN 250 PN 10 / DN 250 PN 10                 | DN 250 PN 10 / DN 250 PN 10                 |

**DO YOU WANT TO KNOW MORE?**

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