

DOLPHIN LB 3809/4409 A

Liquid ring vacuum pumps



VACUUM SOLUTIONS

Part of the **BUSCH** GROUP



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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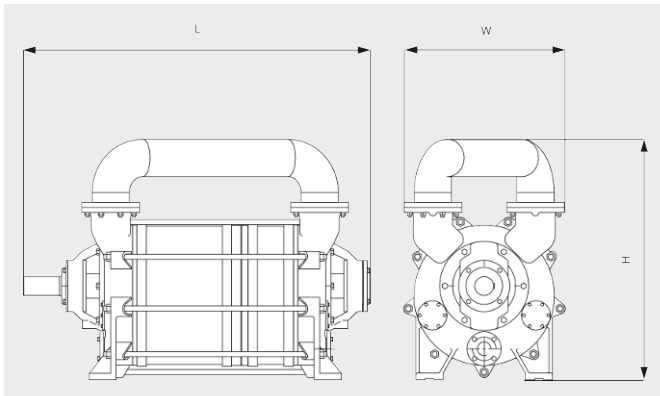
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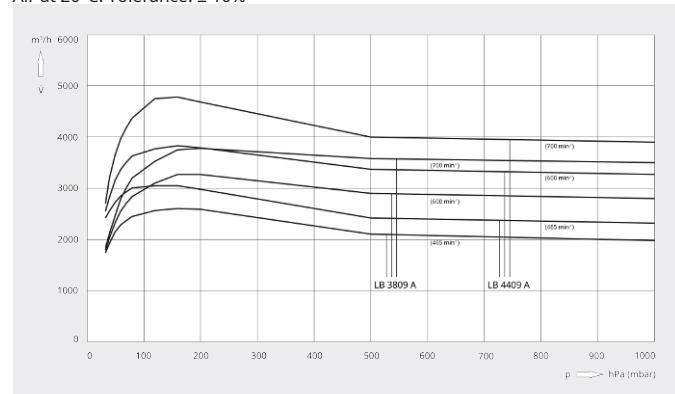
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Dimensional drawing



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 ⁻¹ (50 / 60 Hz)	465 – 700 min ⁻¹ (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

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