

DOLPHIN LR 0210/0300 A

Liquid ring vacuum pumps



VACUUM SOLUTIONS

Part of the **BUSCH** GROUP



Robust

Proven technology, reliable operation, extremely high vapor and particle tolerance, specially designed for challenging environments like mining, power plants, sugar production, pulp and paper industry, steel production etc.

High performance

High-capacity, high pumping speeds

Flexible

Modular design, choice of cast iron (EN-GJL-200) housing with ductile cast iron impeller or all 304 grade, or 316L grade corrosion-free stainless steel material, operating fluids other than water possible, operation as compressor possible

Accessories, spare parts and options

- Motorized pumpsets, with gearbox or V-belt drive system
- Sturdy, steel mounting baseframes
- Partial or total recirculation systems
- Cavitation protection
- Gas ejector
- Non-return valves
- Vacuum relief valves
- Temporary inlet screens (for commissioning)

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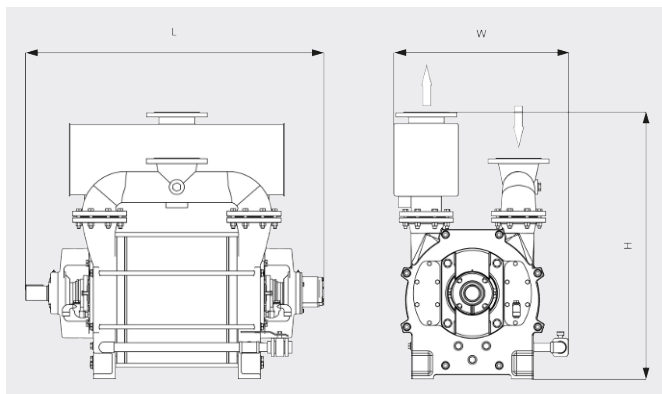
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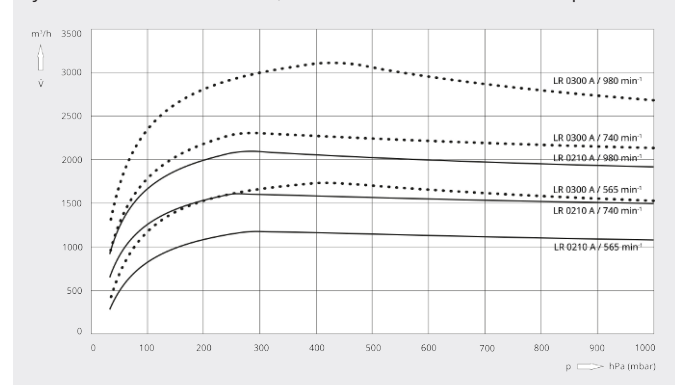
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Dimensional drawing



Pumping speed

Dry air at 20°C. Tolerance: $\pm 10\%$, in accordance with HEI and Pneurop 6612



	DOLPHIN LR 0210 A	DOLPHIN LR 0300 A
Nominal pumping speed	1175 – 2100 m³/h	1670 – 3010 m³/h
Ultimate pressure	33 hPa (mbar)	33 hPa (mbar)
Nominal motor rating	30 / 45 / 75 / 75 kW	45 / 75 / 90 / 110 kW
Rotational speed of vacuum pump	565 – 980 min ⁻¹	565 – 980 min ⁻¹
Sound pressure level (ISO 3744), 1 m distance, at medium load	≤ 85 dB(A)	≤ 85 dB(A)
Weight approx.	910 kg	1025 kg
Dimensions (L x W x H)	1238 x 814 x 1245 mm	1388 x 814 x 1245 mm
Gas inlet / outlet	DN 150 PN 10 / DN 150 PN 10	DN 150 PN 10 / DN 150 PN 10

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