

# 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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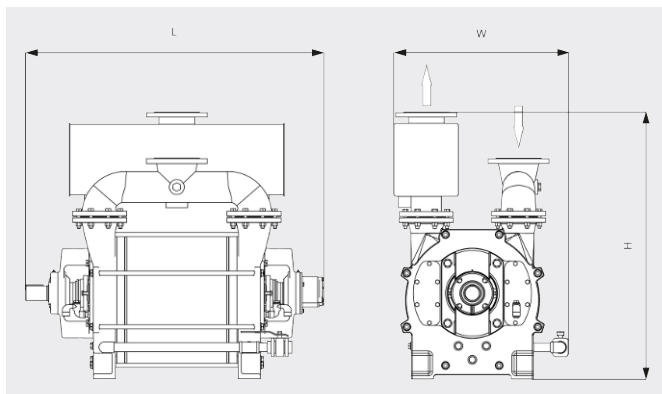
Liquid ring vacuum pumps



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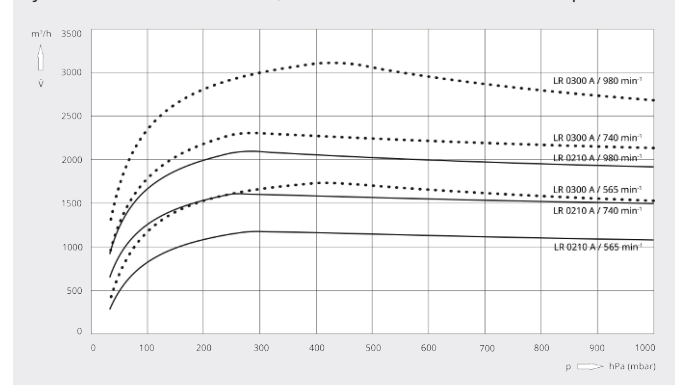
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Dimensional drawing



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 <sup>-1</sup> | 565 – 980 min <sup>-1</sup> |
| 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 |

## DO YOU WANT TO KNOW MORE?

Get in touch with us directly!

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