

# DOLPHIN LR 0110/0140 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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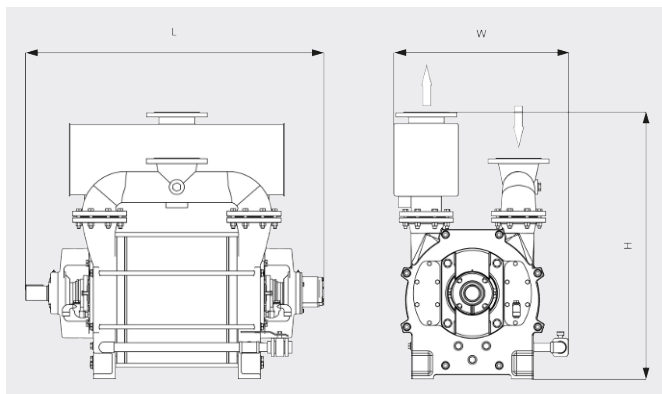
Liquid ring vacuum pumps



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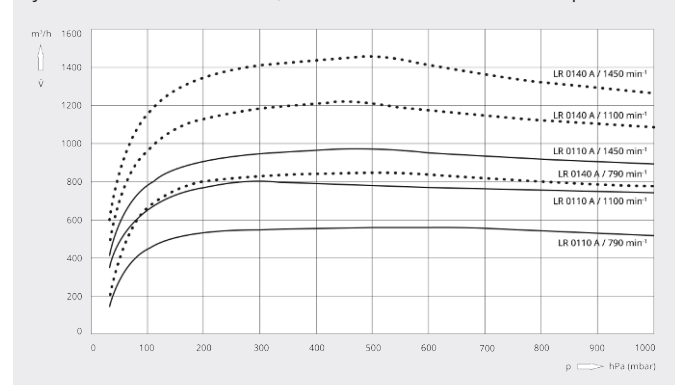
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Dimensional drawing



Pumping speed

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



|                                                               | DOLPHIN LR 0110 A            | DOLPHIN LR 0140 A            |
|---------------------------------------------------------------|------------------------------|------------------------------|
| Nominal pumping speed                                         | 570 – 960 m <sup>3</sup> /h  | 840 – 1430 m <sup>3</sup> /h |
| Ultimate pressure                                             | 33 hPa (mbar)                | 33 hPa (mbar)                |
| Nominal motor rating                                          | 18.5 / 22 / 30 / 45 kW       | 30 / 37 / 45 / 55 kW         |
| Rotational speed of vacuum pump                               | 790 – 1450 min <sup>-1</sup> | 790 – 1450 min <sup>-1</sup> |
| Sound pressure level (ISO 3744), 1 m distance, at medium load | ≤ 80 dB(A)                   | ≤ 80 dB(A)                   |
| Weight approx.                                                | 454 kg                       | 511 kg                       |
| Dimensions (L x W x H)                                        | 975 x 700 x 985 mm           | 1095 x 700 x 985 mm          |
| Gas inlet / outlet                                            | DN 125 PN 10 / DN 125 PN 10  | DN 125 PN 10 / DN 125 PN 10  |

## DO YOU WANT TO KNOW MORE?

Get in touch with us directly!  
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