DOLPHIN LR 0420/0580 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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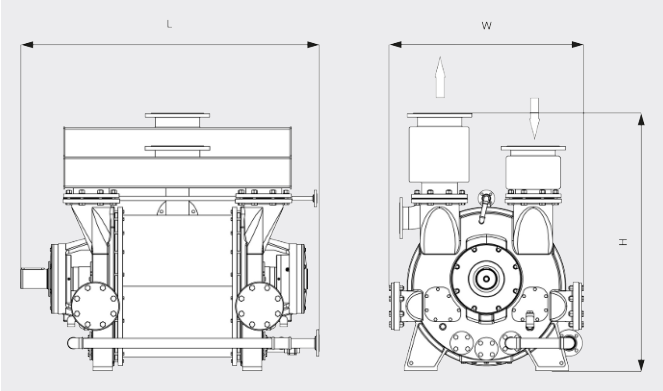
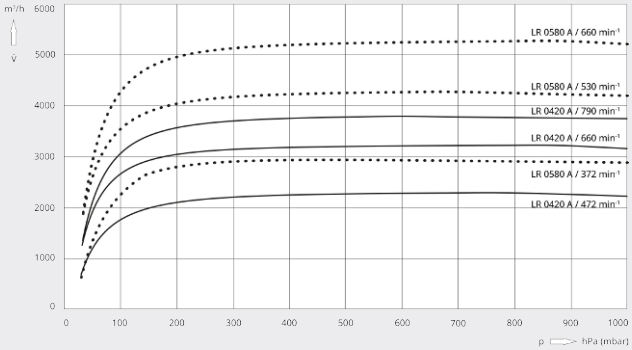
Dimensional drawing



Pumping speed

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



	DOLPHIN LR 0420 A	DOLPHIN LR 0580 A
Nominal pumping speed	2250 – 3830 m^3/h	2900 – 5300 m^3/h
Ultimate pressure	33 hPa (mbar)	33 hPa (mbar)
Nominal motor rating	55 / 75 / 110 / 132 kW	75 / 110 / 132 / 185 kW
Rotational speed of vacuum pump	472 – 790 min^{-1}	372 – 660 min^{-1}
Sound pressure level (ISO 3744), 1 m distance, at medium load	≤ 85 dB(A)	≤ 85 dB(A)
Weight approx.	1572 kg	2233 kg
Dimensions (L x W x H)	1670 x 1030 x 1360 mm	1819 x 1160 x 1570 mm
Gas inlet / outlet	DN 200 PN 10 / DN 200 PN 10	DN 250 PN 10 / DN 250 PN 10

DO YOU WANT TO KNOW MORE?

Get in touch with us directly!
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CONTACT FORM

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