

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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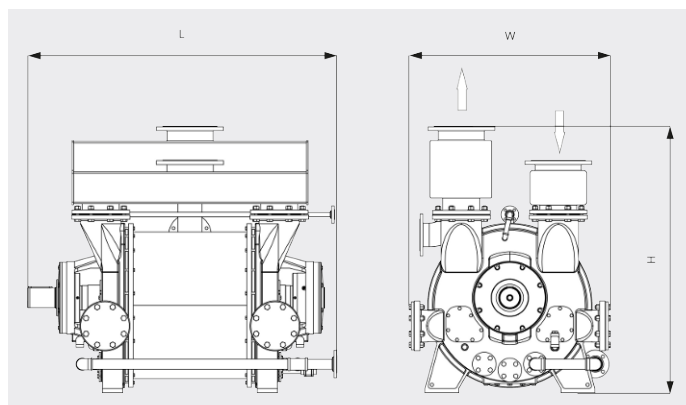
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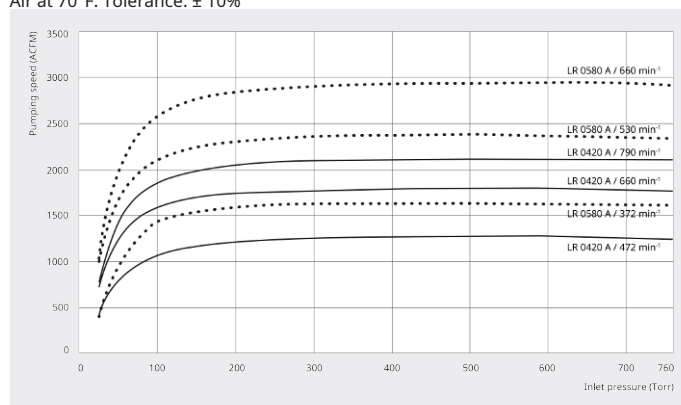
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Dimensional drawing



Pumping speed

Air at 70°F. Tolerance: $\pm 10\%$



	DOLPHIN LR 0420 A	DOLPHIN LR 0580 A
Nominal pumping speed	1324 – 2254 ACFM	1707 – 3119 ACFM
Ultimate pressure	25 TORR	25 TORR
Nominal motor rating	75 – 175 hp	100 – 250 hp
Rotational speed of vacuum pump	500 – 790 RPM	372 – 660 RPM
Sound pressure level (ISO 3744), 1 m distance, at medium load	≤ 85 dB(A)	≤ 85 dB(A)
Weight approx.	3465 Lbs.	4922 Lbs.
Dimensions (L x W x H)	65.7 x 40.6 x 53.5 inches	71.6 x 45.7 x 61.8 inches
Gas inlet / outlet	ANSI 150 8"/8" / ANSI 150 8"/8"	ANSI 150 10"/10" / ANSI 150 8"/8"

DO YOU WANT TO KNOW MORE?

Get in touch with us directly!

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