

DOLPHIN LA 0053-0143 A

Liquid ring vacuum pumps



VACUUM SOLUTIONS

Part of the **BUSCH** GROUP



Robust

Proven technology, durable single-stage construction

Reliable

Extremely high vapor and particle tolerance

Flexible

Wide range of construction materials, including cast iron (EN-GJL-200), many grades of stainless steel and even titanium, ATEX-certified version available (Cat 1(i)/2(o) IIC T5), different operating fluids possible, operation as compressor possible

Accessories, spare parts and options

- Partial or total recirculation systems
- Liquid separator
- Cavitation protection
- Heat exchanger
- Gas ejector
- Wide selection of motors
- Non-return valves
- Vacuum relief valves

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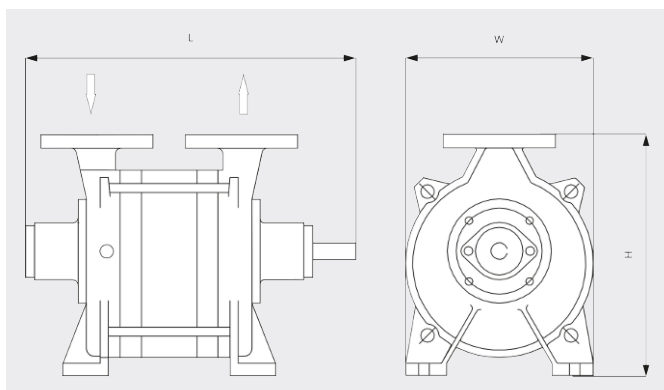
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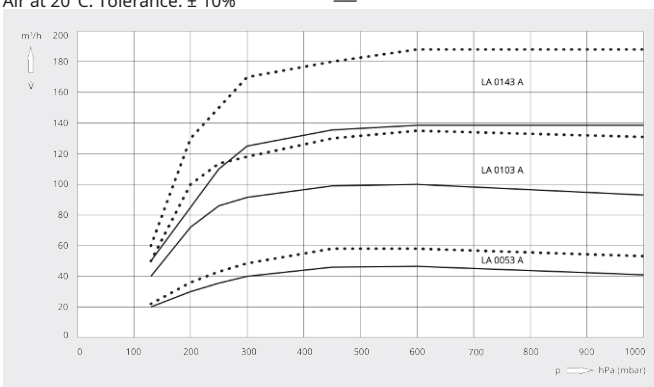
Dimensional drawing



Pumping speed

Air at 20°C. Tolerance: $\pm 10\%$

— 50 Hz 60 Hz



	DOLPHIN LA 0053 A	DOLPHIN LA 0103 A	DOLPHIN LA 0143 A
Nominal pumping speed	50 / 60 m³/h (50 / 60 Hz)	100 / 135 m³/h (50 / 60 Hz)	140 / 190 m³/h (50 / 60 Hz)
Ultimate pressure	130 hPa (mbar) (50 / 60 Hz)	130 hPa (mbar) (50 / 60 Hz)	130 hPa (mbar) (50 / 60 Hz)
Nominal motor rating	1.5 / 2.2 kW (50 / 60 Hz)	4 kW (50 / 60 Hz)	4 / 5.5 kW (50 / 60 Hz)
Nominal motor speed	1450 / 1750 min ⁻¹ (50 / 60 Hz)	1450 / 1750 min ⁻¹ (50 / 60 Hz)	1450 / 1750 min ⁻¹ (50 / 60 Hz)
Sound pressure level (ISO 3744), 1 m distance, at medium load	72 dB(A) (50 / 60 Hz)	72 dB(A) (50 / 60 Hz)	72 dB(A) (50 / 60 Hz)
Weight approx.	47 kg	52 kg	57 kg
Dimensions (L x W x H)	(399 – 574) x 250 x 320 mm	(439 – 614) x 250 x 320 mm	(479 – 654) x 250 x 320 mm
Gas inlet / outlet	DN 40 PN 10 / DN 40 PN 10	DN 40 PN 10 / DN 40 PN 10	DN 40 PN 10 / DN 40 PN 10

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