

DOLPHIN LT 0320-0510 A

Liquid ring vacuum pumps



VACUUM SOLUTIONS



Robust

Proven technology, durable two-stage construction, corrosion-free stainless steel impeller, direct flange-mounted motor, no base frame required, integrated flow channel

Reliable

Extremely high vapor and particle tolerance, optimized gas flow

Flexible

Choice of cast iron (EN-GJL-200) or 316 grade stainless steel material housings, ATEX-certified version available (Cat 1(i/o) IIC T4), operating fluids other than water possible

Accessories

- Modular pumpsets, configured for once-through, partial or total recirculation of the operating fluid
- Liquid separator
- Cavitation protection
- Heat exchanger
- Gas ejector
- Wide selection of motors
- Non-return valves
- Vacuum relief valves
- Variable speed drive

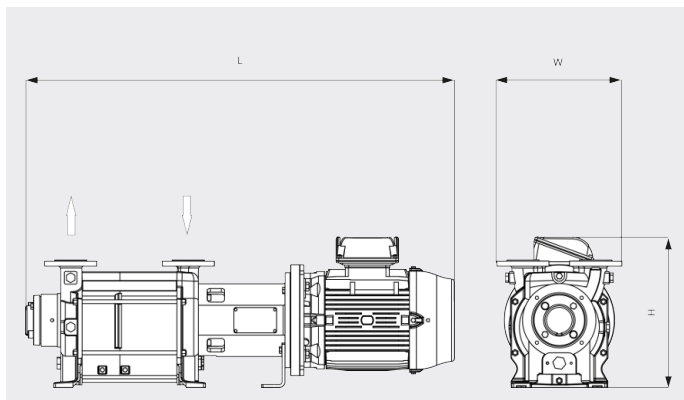
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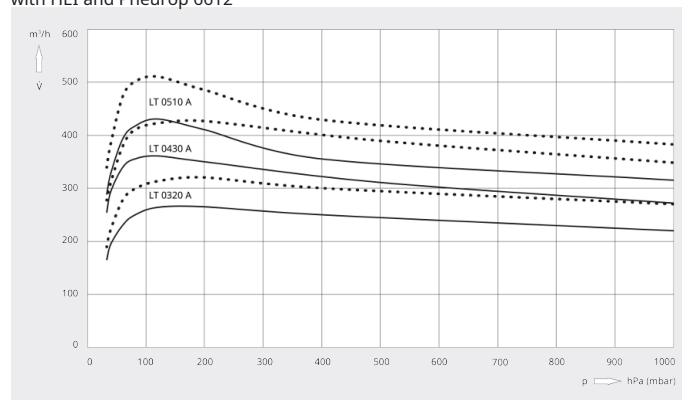
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Dimensional drawing



Pumping speed

Dry air at 20 °C. Operating fluid water 15°C. Tolerance: - 10%, in accordance with HEI and Pneurop 6612



	DOLPHIN LT 0320 A	DOLPHIN LT 0430 A	DOLPHIN LT 0510 A
Nominal pumping speed	265 / 320 m³/h (50 / 60 Hz)	361 / 426 m³/h (50 / 60 Hz)	430 / 510 m³/h (50 / 60 Hz)
Ultimate pressure	33 hPa (mbar) (50 / 60 Hz)	33 hPa (mbar) (50 / 60 Hz)	33 hPa (mbar) (50 / 60 Hz)
Max. overpressure	1.5 bar(g) (50 / 60 Hz)	1.5 / 1.3 bar(g) (50 / 60 Hz)	1.1 bar(g) (50 / 60 Hz)
Nominal motor rating	7.5 / 11.0 kW (50 / 60 Hz)	11.0 / 15.0 kW (50 / 60 Hz)	11.0 / 15.0 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)
Noise level (ISO 2151)	72 / 73 dB(A) (50 / 60 Hz)	72 / 73 dB(A) (50 / 60 Hz)	72 / 73 dB(A) (50 / 60 Hz)
Weight approx.	242 kg	294 kg	324 kg
Dimensions (L x W x H)	1208 x 396 x 432 mm	1356 x 396 x 478 mm	1416 x 396 x 478 mm
Gas inlet / outlet	DN 50 PN 10 / DN 50 PN 10	DN 50 PN 10 / DN 50 PN 10	DN 50 PN 10 / DN 50 PN 10

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	DOLPHIN LT 0320 A	DOLPHIN LT 0430 A	DOLPHIN LT 0510 A
Nominal pumping speed	188.0 ACFM	251.0 ACFM	300.0 ACFM
Ultimate pressure	25 TORR	25 TORR	25 TORR
Nominal motor rating	15.0 HP	20.0 HP	20.0 HP
Nominal motor speed	1800 RPM	1800 RPM	1800 RPM
Noise level (ISO 2151)	73 dB(A)	73 dB(A)	73 dB(A)
Weight approx.	677 Lbs.	737 Lbs.	803 Lbs.
Dimensions (L x W x H)	51.8 x 17.8 x 15.8 inches	53.6 x 17.8 x 15.8 inches	56.6 x 17.8 x 15.8 inches
Gas inlet / outlet	DN 50 PN 10 / ANSI 2" / 150 lbs / JIS 50 10K / DN 50 PN 10 / ANSI 2" / 150 lbs / JIS 50 10K	DN 50 PN 10 / ANSI 2" / 150 lbs / JIS 50 10K / DN 50 PN 10 / ANSI 2" / 150 lbs / JIS 50 10K	DN 50 PN 10 / ANSI 2" / 150 lbs / JIS 50 10K / DN 50 PN 10 / ANSI 2" / 150 lbs / JIS 50 10K

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info@busch.ca or +1 800 363 6360



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