

DOLPHIN LB 0857-1757 A

Liquid ring vacuum pumps



VACUUM SOLUTIONS

Part of the **BUSCH** GROUP



Robust

Proven technology, durable two-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), operating fluids other than water 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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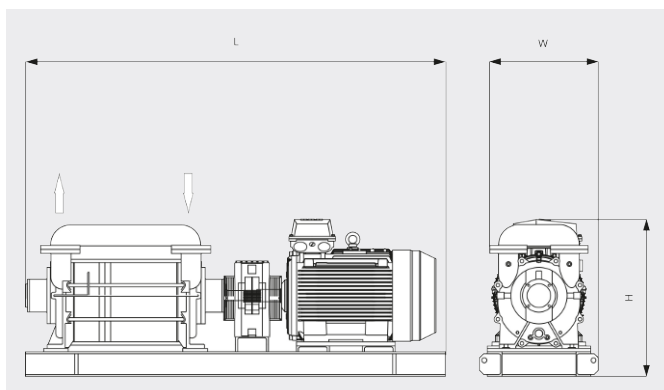
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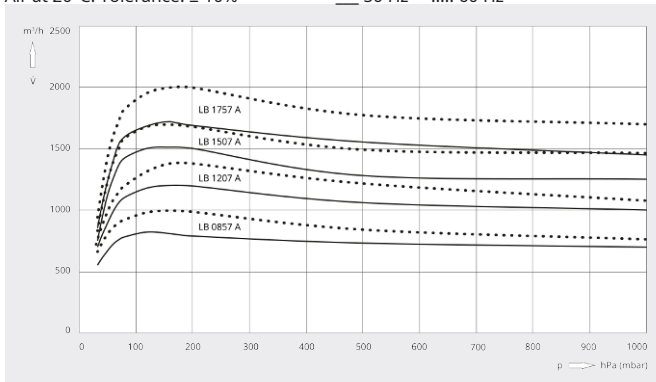
Dimensional drawing



Pumping speed

Air at 20°C. Tolerance: $\pm 10\%$

— 50 Hz 60 Hz



	DOLPHIN LB 0857 A	DOLPHIN LB 1207 A	DOLPHIN LB 1507 A	DOLPHIN LB 1757 A
Nominal pumping speed	850 / 1000 m³/h (50 / 60 Hz)	1200 / 1380 m³/h (50 / 60 Hz)	1500 / 1690 m³/h (50 / 60 Hz)	1750 / 2000 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)	33 hPa (mbar) (50 / 60 Hz) I
Max. overpressure	2 bar(g) (50 / 60 Hz)	2 bar(g) (50 / 60 Hz)	2 bar(g) (50 / 60 Hz)	2 bar(g) (50 / 60 Hz)
Nominal motor rating	30 / 37 kW (50 / 60 Hz)	37 / 55 kW (50 / 60 Hz)	45 / 75 kW (50 / 60 Hz)	75 / 90 kW (50 / 60 Hz)
Nominal motor speed	960 / 1150 min⁻¹ (50 / 60 Hz)	960 / 1150 min⁻¹ (50 / 60 Hz)	960 / 1150 min⁻¹ (50 / 60 Hz)	960 / 1150 min⁻¹ (50 / 60 Hz)
Sound pressure level (ISO 3744), 1 m distance, at medium load	76 / 77 dB(A) (50 / 60 Hz)	76 / 77 dB(A) (50 / 60 Hz)	76 / 77 dB(A) (50 / 60 Hz)	76 / 77 dB(A) (50 / 60 Hz)
Weight approx.	510 kg	600 kg	685 kg	770 kg
Dimensions (L x W x H)	1096 – 1282 x 610 x 750 mm	1246 – 1432 x 610 x 750 mm	1346 – 1532 x 610 x 750 mm	1496 – 1682 x 610 x 750 mm
Gas inlet / outlet	DN 100 PN 10 / DN 100 PN 10	DN 100 PN 10 / DN 100 PN 10	DN 100 PN 10 / DN 100 PN 10	DN 100 PN 10 / DN 100 PN 10

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