DOLPHIN LM 0530/0800 A ECOTORQUE

Liquid Ring Vacuum Pumps

VACUUM SOLUTIONS

Part of the BUSCH GROUP

Demand-driven

Reduced energy consumption, extended operating range, and minimized noise and wear through precise adjustment of vacuum level (pressure control) and pumping speed (speed control) to process requirements using an integrated control solution built around a variable speed drive (ECOTORQUE)

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

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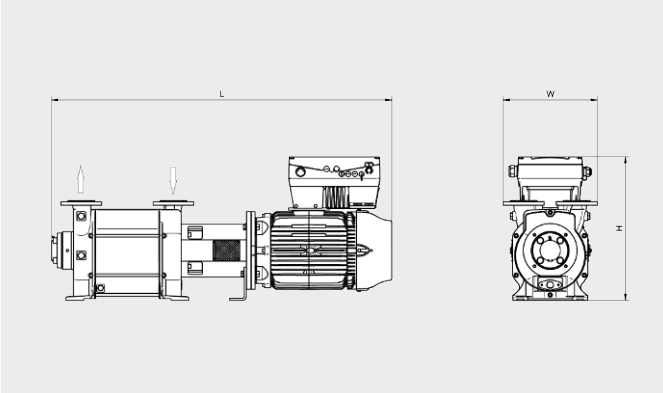
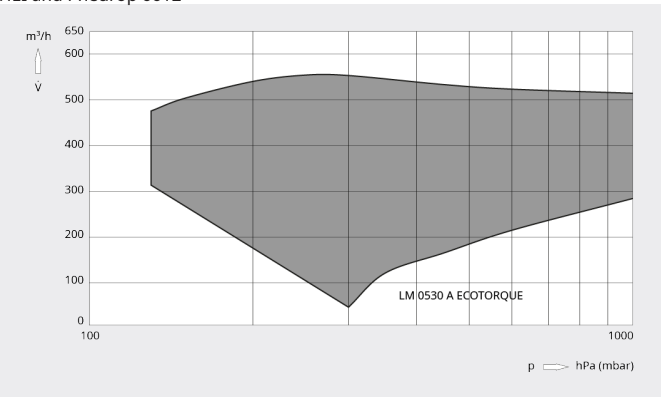
Dimensional drawing



Pumping speed

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



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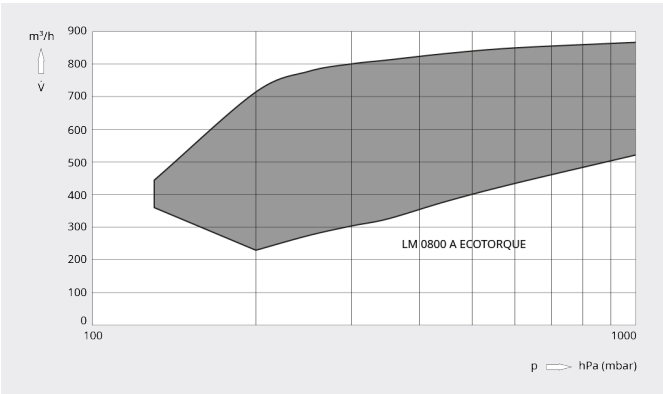

	DOLPHIN LM 0530 A ECOTORQUE	DOLPHIN LM 0800 A ECOTORQUE
Nominal pumping speed	280 – 551 m³/h (34 – 60 Hz)	522 – 867 m³/h (34 – 60 Hz)
Ultimate pressure	300 – 130 hPa (mbar) (34 – 60 Hz)	200 – 130 hPa (mbar) (34 – 60 Hz)
Nominal motor rating	11 / 15 kW (50 / 60 Hz)	18.5 / 22 kW (50 / 60 Hz)
Power consumption at ultimate pressure	4.8 – 10.2 kW (34 – 60 Hz)	9 – 20 kW (34 – 60 Hz)

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	DOLPHIN LM 0530 A ECOTORQUE	DOLPHIN LM 0800 A ECOTORQUE
Nominal motor speed	1000 – 1750 min^{-1} (34 – 60 Hz)	1000 – 1750 min^{-1} (34 – 60 Hz)
Sound pressure level (ISO 2151)	72 / 73 dB(A) (50 / 60 Hz)	75 / 76 dB(A) (50 / 60 Hz)
Weight approx.	367 kg	422 kg
Dimensions (L x W x H)	1376 x 396 x 626 mm	1536 x 425 x 650 mm
Gas inlet / outlet	DN 50 PN 10 / DN 50 PN 10	DN 65 PN 10 / DN 65 PN 10

Technical data / Specifications may vary depending on configuration, selected accessories, installation, and operating conditions.

DO YOU WANT TO KNOW MORE?

Get in touch with us directly!

CONTACT FORM

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