

WHITE LINE • DELFIN • HEAVY-DUTY INDUSTRIAL VACUUM

Delfin DM3 EL LP

Powerful industrial vacuum with Longopac endless bag system and 540 m³/h airflow. 3.45 kW single-phase motor. Adjustable height for easy transport. Polyester ANT M star filter with manual cleaning.

- Longopac endless bag system — dust-free safe emptying of fine dust
- 540 m³/h airflow — powerful suction for large volumes
- 3.45 kW single-phase bypass motor — 2,500 mmH₂O suction
- Adjustable height — easy transport in van or truck
- Polyester ANT M star filter — antistatic, 30,000 cm²
- H14 HEPA absolute filter as option — 26,500 cm²



Delfin DM3 EL LP heavy-duty industrial vacuum with Longopac endless bag system and adjustable height

CE — Machinery Directive 2006/42/EC · EN 60335-2-69 · Antistatic Polyester ANT M · Longopac endless bag system · H14 HEPA as option

Quick facts	
Motor type	Bypass
Application	Dry dust
Power	3.45 kW
Airflow	540 m³/h
Suction	2,500 mmH ₂ O
Noise	76 dB(A)
Capacity	20 m Longopac
Filter cleaning	Manual
Weight	70 kg

What is Delfin DM3 EL LP?

The Delfin DM3 EL LP is a powerful industrial vacuum designed for large work areas, construction sites, workshops, and production facilities. The 3.45 kW single-phase bypass motor delivers 540 m³/h airflow and achieves 2,500 mmH₂O suction. The machine is equipped with the Longopac endless bag system — a patented system that makes emptying dust-free and safe. The primary filter is a Polyester ANT M star filter with 30,000 cm² filtration surface and manual cleaning.

The adjustable height via retractable column enables the DM3 EL LP to be placed in a van for transport between locations — ideal when work areas change. When parked, the column folds down, reducing vehicle space during transit. The construction is fully painted steel, robust and suited for industrial and building environments.

Longopac system — high containment safety: Instead of handling single-use bags, dust is rolled up in an endless bag inside the machine. As the bag fills, it is forced out through a sealed emptying point at the top and automatically cut off. This means minimal exposure to fine dust, no air release during bag changes, and safe handling of chemicals and

sensitive materials.

Technical specifications

Parameter	Value
Motor type	Bypass
Voltage	230 V, 50 Hz, 1-phase
Power / Current	3.45 kW / 15 A
Max suction	2,500 mmH ₂ O
Max airflow	540 m ³ /h
Suction inlet	Ø80 mm
Capacity	20 m Longopac endless bag
Filter type	Polyester ANT M star filter
Primary filter surface	30,000 cm ²
H14 filter surface	26,500 cm ² (as option)
Filter cleaning	Manual
Noise level (EN ISO 3744)	76 dB(A)
Dimensions (L×W×H)	80 × 66 × 155 cm
Weight	70 kg
Construction	Fully painted steel
Air load on filter	180 m ³ /m ² /h

CE marking based on: EN 60335-2-69 • IEC 60335-2-69 • Machinery Directive 2006/42/EC • Low Voltage Directive 2014/35/EU • EMC Directive 2014/30/EU

Options

The DM3 EL LP can be configured with options that adapt the machine to specific work environments and dust types.

- **M PTFE ANT filter** — PTFE-coated polyester filter bag with antistatic property
- **MT earth grounding** — ESD protection against electrostatic charge
- **MT/ANT FILTER earth grounding + filter + chain** — combined option
- **H14 HEPA absolute filter** — upgrade to 26,500 cm² (99.995% MPPS)

CONTACT

Particulair — Life Science Hub

Nordic specialist in industrial vacuum for pharma & life science

Højtoften 12, 2690 Karlslunde, Denmark

Tel: +45 70 23 12 03 · sales@particulair.com · particulair.eu/life-science/