

WHITE LINE · DELFIN · COMPACT DUST COLLECTOR FOR POINT EXTRACTION

Delfin ZFR EV AP 420 K07

Compact industrial dust collector for localised point extraction of fine airborne dust in production environments. 0.75 kW IE3 motor, 1,000 m³/h airflow, 180 mmH₂O vacuum. 45 L collection container. Star filter class L with 20,000 cm² filter surface. Manual filter cleaning. IP55.

- 1,000 m³/h airflow — effective point extraction
- Star filter class L with 20,000 cm² surface
- Compact footprint — 58 × 63 × 180 cm, only 60 kg
- Articulated extraction arm available (Ø100 mm, 3 m reach)
- HEPA H14 absolute filter available as option
- IP55 — stainless steel available as option



Delfin ZFR EV AP 420 K07 compact dust collector for localised point extraction

CE — Machinery Directive 2006/42/EC · IEC 60335-2-69 — Filter class L · IP55 · IE3 motor

Quick facts	
Type	Dust collector
Motor	0.75 kW IE3
Airflow	1,000 m³/h
Vacuum	180 mmH ₂ O
Noise	70 dB(A)
Container	45 L
Filter	Class L — 20,000 cm²
IP rating	IP55
Weight	60 kg
Suction inlet	Ø100 mm

What is the Delfin ZFR EV AP 420 K07?

The Delfin ZFR EV AP 420 K07 is a compact industrial dust collector designed for localised point extraction of fine, airborne dust directly at the source. The unit prevents dust from spreading into the working environment by capturing particles close to the production process — either via a fixed duct or an articulated extraction arm (optional). With 1,000 m³/h maximum airflow and a 0.75 kW IE3 motor, it delivers effective dedusting in a compact footprint. The 45 L collection container and low noise level of 70 dB(A) make it well suited for workstations where space is limited.

Construction is complete painted steel with IP55 rating. The star filter element with 20,000 cm² polyester class L surface is cleaned manually. Optional upgrades include HEPA H14 absolute filter, antistatic class M filter, active carbon filter, or stainless steel AISI 304 construction.

Not a vacuum cleaner: The ZFR EV AP 420 K07 is a stationary dust collector for localised point extraction — not a mobile vacuum cleaner. The unit is positioned at the production source and connected via fixed ductwork or extraction

arm to capture fine dust before it spreads into the working environment.

Technical specifications

Parameter	Value
Voltage	400 V, 50 Hz, 3-phase
Power (IE3 motor)	0.75 kW
Current draw	1.6 A
IP rating	IP55
Max vacuum	180 mmH ₂ O
Max airflow	1,000 m ³ /h
Suction inlet	Ø100 mm
Collection container	45 L
Primary filter	Star filter (bag type)
Filter surface / diameter	20,000 cm ² / Ø420 mm
Filter media / class	Polyester / class L (IEC 60335-2-69)
Filter cleaning	Manual
Noise level (EN ISO 3744)	70 dB(A)
Dimensions (L×W×H)	58 × 63 × 180 cm
Weight	60 kg
Construction	Complete painted steel

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

Options

The ZFR EV AP 420 K07 can be configured with a range of options to adapt the unit to specific environmental requirements.

- **HEPA H14 absolute filter** — cartridge type for maximum particle retention
- **Antistatic class M filter** — for environments with antistatic requirements
- **Stainless steel AISI 304 collection container** — chemical resistance
- **Stainless steel container + filter chamber** — extended corrosion protection
- **Full stainless steel construction** — filter chamber, container, cover and frame in AISI 304
- **Earth grounding** — ESD protection against electrostatic charge
- **Active carbon filter** — for odour and organic vapour capture
- **Active carbon filter + HEPA absolute filter** — combined odour and particle removal
- **Articulated extraction arm** — Ø100 mm, 3,000 mm reach
- **Flexible hose connection** — Ø100/100 mm or Ø100/80 mm

CONTACT

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