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soul made fans

KENTALMAT & KENTALMAT PLUS

High-efficiency backward in-line fan for demanding ventilation environments

120°C IN CONTINUOUS

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120ºC IN CONTINUOUS OPERATION

KENTALMAT

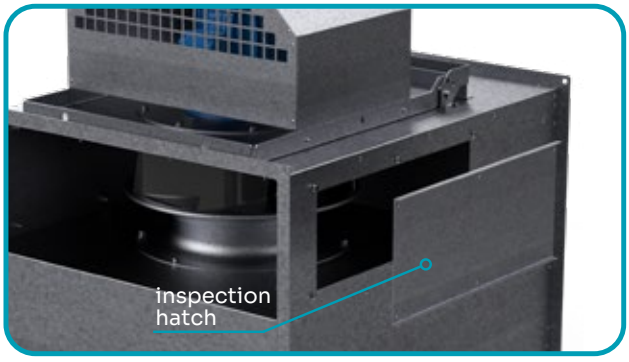
High-efficiency backward in-line fan for demanding ventilation environments

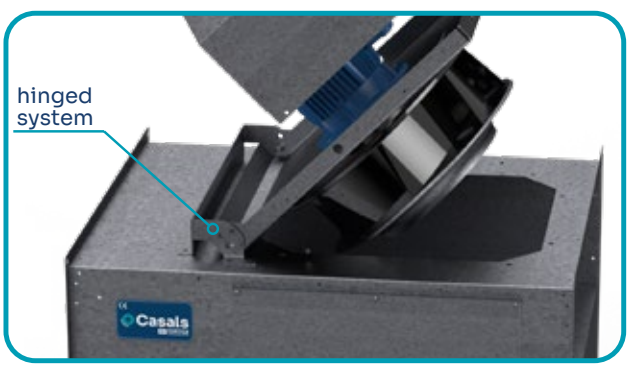
PRODUCT OVERVIEW

KENTALMAT is engineered to deliver reliable performance in ventilation and **smoke extraction** systems where efficiency, robustness and ease of maintenance are essential.
Built around **next-generation impeller** technology, it offers **improved airtightness, enhanced durability and simplified servicing**, making it a dependable solution for **continuous operation** in challenging conditions.

KEY BENEFITS

- **High-efficiency performance** thanks to advanced backward impeller.
- **Improved airtight construction** to reduce leakage and optimise system efficiency.
- **Flexible maintenance access** with hinged opening and lateral inspection hatch.
- **Robust industrial design** for continuous duty up to 120°C.
- **Reliable operation** with IP55 motor protection.





MANUFACTURING FEATURES

Casing
- Galvanised steel sheet casing with connection flanges.
- In-line configuration with airtight panels.
- Dual access to the impeller:
  - Hinged opening system for the motor–impeller assembly (approx. 45° and 90° positions).
  - Lateral inspection hatch for direct access during servicing.
- Designed to facilitate maintenance depending on installation conditions.

Impeller
- High-efficiency backward-curved blades.
- Self-cleaning design, statically balanced.
- Galvanised steel with anti-corrosion treatment.
- Direct driven configuration.

Motor
- Flange mounted motor (B5) with waterproof shaft.
- IP55 protection rating, insulation class F.
- Single-phase, and 1 and 2 speed three-phase versions available.

VERSIONS

KENTALMAT
- Standard configuration for high-performance ventilation.

KENTALMAT PLUS
- Version with **40 mm rock wool insulation** for reduced noise and thermal losses.

APPLICATIONS

- Smoke extraction and ventilation in covered car parks.
- Ventilation of technical rooms and plant areas.
- Industrial and commercial premises.
- Professional kitchens.

Operating limits:
- Continuous air temperature: up to 120°C.
- Ambient temperature:
  - º Three-phase motors: from -25°C to +60°C.
  - º Single-phase motors: from -25°C to +50°C.