



### Motors

**Efficiency:** Available in IE2 or IE3 efficiency, ensuring energy-efficient performance in line with modern efficiency standards.

**Motor Specifications:** All motors are designed with IP55 protection, making them resistant to dust and water ingress. They feature Class F insulation, offering high thermal tolerance and enhanced durability in demanding environments.

### Electrical Supplies:

For motors up to 3 kW, the fan supports Three-phase 220-240/380-415V, 50/60Hz, ensuring versatility across different voltage ranges.

For motors exceeding 3 kW and two-speed motors, it operates on Three-phase 380-415V, 50Hz, optimized for larger power demands.

**Inverter Compatibility:** These motors are suitable for inverter control, providing the flexibility to adjust speed and improve energy efficiency in variable airflow applications.

### Range:

Fan sizes from 200 mm up to 2000 mm  
Volume flow from 800 m<sup>3</sup>/h up to 100000 m<sup>3</sup>/h  
Pressure from 5 mmwg up to 125 mmwg

**Casing:** Tube casings crafted from durable rolled Mild sheet steel, featuring a corrosion-resistant hot-dip galvanized finish or Epoxy coating Finish. Suitable for corrosion category C3 and C4, ensuring long-lasting performance in harsh environments.

**Impeller:** The variable pitch angle impeller is dynamically balanced, ensuring smooth operation and minimal vibration. Depending on the fan's diameter and mechanical requirements, the Impeller made from high-grade aluminum or Mild Steel, it offers excellent strength and lightweight characteristics for efficient airflow.

**Hub:** Depending on the fan's diameter and mechanical requirements, the hub is constructed from either high-grade aluminum or pressed sheet steel, providing robust support for the impeller.

**Operational Temperature Range:** The fan is designed for standard air operation temperatures ranging from -20°C to +40°C, making it versatile for various ventilation applications.

### Long Casing Versions for Enhanced Functionality

**ET (External Terminal Box):** This version features an external terminal box, allowing for quick and convenient electrical connections. Additionally, it includes a spy hole, enabling easy visual inspection of the impeller rotation without the need to dismantle the fan.

**ID (Inspection Door):** Designed for easy maintenance, this version incorporates an inspection door, providing direct access to the motor for quick checks and servicing, reducing downtime during maintenance.

**ETID (External Terminal Box & Inspection Door):** Combining the best of both, this version includes both an external terminal box and an inspection door, offering maximum convenience for both electrical connections and motor access. This dual feature simplifies installation, inspection, and maintenance.

### On request

**Single-Speed Motors (6 Poles):** Designed for precise airflow control, these 6-pole motors deliver reliable single-speed operation with optimal energy efficiency.

**Two-Speed Motors:** Available in versatile pole configurations for flexible speed options:

2/4 poles, 4/6 poles, 4/8 poles, 6/12 poles

These configurations offer multiple speed choices for adaptable performance in various ventilation scenarios, allowing for enhanced control over airflow and energy consumption.

**Airflow Direction:** Motors are designed with airflow in the Motor-Impeller (Form A) direction, ensuring efficient air movement and optimal cooling performance.

**Casing Options:** Choose between stainless steel for superior corrosion resistance in harsh environments or an Epoxy paint finish for durable protection and aesthetic appeal.

**Motor Protection:** Motors come equipped with advanced safety features, including:

PTC thermistors for temperature monitoring and overload protection, ensuring the motor operates safely within thermal limits.

Space heaters to prevent condensation buildup, particularly useful in humid or cold environments, maintaining motor integrity during downtime.