

EC FANS



Quality Speaks For Itself



EC FANS

HUMIDIN CENTRIFUGAL PLUG FAN BACKWARD / AEROFOIL

HVAC (HEATING, VENTILATION, AND AIR CONDITIONING): EC (ELECTRONICALLY COMMUTATED) fans are advanced types of fans that integrate a permanent magnet synchronous motor (PMSM) with an electronic controller. The motor itself operates based on a combination of direct current (DC) and alternating current (AC) electricity, which is managed by the controller. EC fans are designed for efficiency and flexibility, offering a variable speed control that allows them to adapt to the specific needs of the system they are in.

FEATURES:

1. Energy Efficiency:

EC fans are highly energy-efficient compared to traditional fans, as they can adjust their speed based on demand. This helps reduce power consumption significantly.

2. Variable Speed Control:

The speed of the fan can be adjusted electronically, allowing for precise control over airflow, which is especially useful in systems that require fluctuating airflow rates.

3. Compact Design:

The integration of the motor and controller into a single unit allows EC fans to have a smaller footprint compared to traditional fan systems, making them ideal for space-constrained environments.

4. High Reliability and Durability:

The electronically controlled motor minimizes wear and tear, resulting in longer service life compared to conventional fans.

5. Low Heat Generation:

EC fans generate less heat, which helps maintain lower ambient temperatures and reduces the need for additional cooling in the system.

6. Precise Control:

The fan speed can be controlled with high precision, providing better airflow regulation and improved system performance.

7. Eco-Friendly:

By optimizing energy use and reducing waste, EC fans help lower the carbon footprint, making them an environmentally friendly choice.
Applications of EC Fans

MATERIAL OF CONSTRUCTION:

- CASING - GI/MS/SS/MS(HOT DIP GALVANIZED)
- IMPELLER - PVC/MS/GI/SS
- INLET CONE - FRP/MS/GI/SS

APPLICATIONS

- HVAC Systems
- Industrial Ventilation
- Air Handling Units
- Exhaust Fans
- Drying Systems
- Cooling Systems

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The intention of this brochure is to introduce you to, and acquaint you with the capabilities of the HUMIDIN organization in the offered product areas. It will not answer all your immediate questions, and indeed, it will no doubt raise others. We welcome your interest in our products and shall be very pleased to provide further information.

GUARANTEES

HUMIDIN guarantees its products to be free of defects in materials and workmanship for a period of one year from the date of delivery from the factory, provided motors are properly installed with overload protector. Humidin agrees to repair or replace defective parts or part to be returned to the factory, all transportation charges prepaid. Humidin does not guarantee against abrasion, corrosion or erosion. Humidin shall not be held responsible for any charges in connection with the removal or replacement of alleged defective equipment nor for incidental consequential damages

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