



## EC-ITF Induction Thrust Fan

- Available in one height variant: 140mm (5.51")
- Thrust performance: Up to 12 Newtons / 2.69 lbf
- Available Smoke Vent Categories: For Standard temperature (up to 140°F) applications only
- Fans meets the EC Machine Guideline 2006/42/EC and is in-line with ISO9001.
- High efficiency design reduces running costs
- Low installed noise levels
- Motor protection IP54
- Pre-Galvanized sheet steel
- Features a dual impeller compact fan for reduced height installations.

### IMPELLER

**Material:** Plastic

**Blade Design:** High Efficiency centrifugal impeller

**Balance:** In accordance with BS 848-7 / ISO 14694, Grade G4.0, when the fan is running at rated voltage and frequency.

**Direction of Running:** Counter-clockwise.

**Impeller location and fixing:** It is an external rotor motor where the impeller is directly mounted on the motor shaft.

**Impeller Design:** Impeller is designed for uni-directional operation.

**Aerodynamic design:** The dual impellers powered with energy-efficient EC motors are capable for day-to-day ventilation and CO monitoring and extraction.

### FAN HOUSING

**Material:** All sheet components are constructed using pre-galvanized sheet steel.

**Direction:** The air enters the fan housing vertically, from the underside of the fan unit and is discharged 90° to the intake air, horizontally.

### MOTOR

**Type:** Energy efficient EC motors.

**Bearings:** Maintenance free ball bearing with a designed lifespan of 40,000 hours when calculated using ISO 281 for rated fan duty.

**Motor insulation:** The insulation class of the motor is of Class 'B' with an enclosure of IP54 rating. Current leakage is calculated as per GB 12350.

**Motor output ratings:** Motor outputs are *integrated fan motor* rated (based on insulation class), unless otherwise agreed. Absorbed power for the EC-ITF is 0.425 hp.

**Motor Finish:** Aluminum self-finish or Cast iron painted to motor manufacturers specification.

**Vibration:** Vibrating speed virtual value of fans accord with JB/T8689.

**Sound Standard:** As per ISO 13347 determination of fan sound power levels under standardized laboratory conditions.

### FAN DIMENSIONS & WEIGHT

The overall weight of the fan is about 33.1 lbs.

