

EC-ITF The EC Induction Thrust Fan



Introduction

The new EC car park induction thrust fan from Woods is specifically designed to be very compact, so is ideal for low height car parks. Dual high efficiency centrifugal impellers are each driven by an EC motor, making the product 100% speed controllable via a 0-10V signal. The product is designed specially to be used for a general ventilation application, pollution control (i.e., via carbon monoxide monitoring) and cold smoke extraction within closed car park buildings.

Technical Parameters	
Thrust	12N
Voltage	230V
Frequency	50 / 60 Hz
Phase	1 ph
Absorbed Power	317 W
Full load current	2.48 A
Impeller speed	2660 rpm
Max Operating Temperature	60°C
Motor type	EC
Enclosure / Insulation Class	IP54 / B
Sound Pressure	68 dB(A) at 2 m (free field)
Weight	15 kg

Construction Details

The EC Induction Thrust Fan (EC-ITF) features two centrifugal impellers manufactured from plastic, each of which is driven by an energy efficient EC motor. As motors can be speed controlled via a simple zero-to-10-volt signal, this enables the product to deliver on demand ventilation, which perfectly matches the design requirement. The fan casing and integral ceiling mount brackets are manufactured from galvanised steel to provide product longevity and reliability. There is an externally mounted terminal box which is pre-wired to each drive motor, which offers a quick and hassle-free installation process. To provide enhanced safety, each fan inlet is fitted with a protection guard. Each impeller, which is manufactured from plastic, is balanced to grade G4.0 to minimise vibration.

