

## IMF310-EC Inline Mixed Flow EC Fan

The new generation of mixed flow inline duct fans with game changing Electronically Commutated Direct Current motors.

The fan is fitted with an energy efficient, long life brushless EC motor, the fan is designed to minimise energy use whilst providing a long trouble-free life.



## IMF310-EC

### DC Brushless Motor

EC inline fans utilise a DC brushless motor with an EC board. This means they can be speed-controlled via a computer chip on the actual fan. Speed controlling the EC motor allows for versatility and power that is unprecedented in the AC world.

### Energy Efficient

EC motors produce less heat, these fans inherently run cooler. This improves energy efficiency, also extending the lifespan of all the motor parts including the windings and bearings, leading to less lifetime maintenance.

### Best of Both Worlds

EC stands for Electronically Commutated, and it combines AC and DC voltages bringing the best of both worlds.

### 10% to 100% Control

Because these are DC fans, they can be controlled down to 10 percent, or all the way up to 100 percent without damage to the motor. In fact, as you speed control an EC inline fan, you are saving energy exponentially.

### In-built Speed Control

The fan has an integral speed adjustment facility for commissioning or can be controlled by a wall mounted controller or a 0-10V signal.

### Direction of Airflow

These powerful inline mixed flow fans have been designed to produce higher working pressures for applications that require higher airflows with low relative noise levels.

## Electronically Commutated

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The motor runs on a DC voltage, but with a single phase 230VAC supply. The motor incorporates voltage transformation within the motor.



## IMF310-EC

### Technical parameters

#### Nominal Data

Part Number	IMF310-EC
Voltage	230V
Phase (s)	1Ø
Input Power	0.25 kW
Full Load Current	1.40 Amps
Airflow (free air)	500 l/s
IP Rating	44
Sound Pressure Level @3m	54 dBA

#### Fan Details

Size	310Ø
Type	Mixed Flow
Material	ABS Plastic
Type	High Efficiency EC
Speed	2350 RPM
Operating Temp	-20°C – 70°C
Control I/Q	1 x Analogue Input E1 1 x 10V DC Output

