



# BENSON

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## Impellor Fan

De-stratification Fans

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These quiet but powerful fans gently propel the warm air down into the working zone. The displacement of this pool of warm air from the roof void to low level has a positive impact in the reduction of fuel usage which, depending upon building height, can be as much as 15%.

Additionally, the air movement recommended has a distinctly beneficial effect on operative comfort levels by providing a high level of uniformity of warmth throughout the area where fans are applied.

### Model Range

Select the fan unit to suit the mounting height requirements. Ideally the fan should be mounted above the lighting system and with a clearance of at least 750mm between the blades and the roof. The minimum height should take account any obstruction and the safety of personnel. The minimum recommended mounting height is 2.5m.

Calculate the buildings floor area in square metres, then divide the result by the floor area coverage for the fan size selected.

Bear in mind that the floor area coverage is based on maximum mounting height and this reduces if the fans are mounted lower.

### Specification

#### Motor Hub

Manufactured from die cast aluminium ensures elegance, durability and reliability.

#### Blades

Each fan has three precision formed, dynamically balanced blades.

#### Air Distribution

The fans gently move warm air back down to the lower working level.

#### Controls

Benson offer two types of speed controllers, the first having the capability of controlling up to five fans, whilst the second has the capability of controlling up to twelve fans. As well as speed adjustment capabilities, the controls rocker switch can be utilised to propel the fan(s) backward as well as forward.



### Technical Data

Model		IMI400
Air displacement	m <sup>3</sup> /h	Up to 12,000 m <sup>3</sup> /h
Maximum mounting height	m	12
Minimum mounting height	m	2.5
Floor coverage (at Max. height)	m <sup>2</sup>	130
Maximum fan centres	m	12
Clearance to walls	m	2.5
<b>Electrics</b>		
Supply	V/ph/hz	230/1/50
Fuse rating	amps	3
Motor	Watts	60
<b>Overall dimensions</b>		
Height	mm	940
Blade sweep	mm Ø	1400
Net weight	Kg	4.3

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