

Impellor Fan



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Impellor De-stratification
Fan

Impellor Fan

Introduction

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.

Check the maximum distance between fans and the minimum clearance from the walls.

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 with optional speed controls offering a variation on air volume amounts.

Controls

Benson offer two types of speed controllers, the first having the capability of controlling up to three fans, whilst the second has the capability of controlling up to twelve fans.

TECHNICAL DATA

Model		IMI400
Air displacement	m ³ /h	180
Mounting height		
Maximum	m	12
Minimum	m	2.5
Floor coverage (at Max. height)	m ²	130
Maximum fan centres	m	12
Clearance to walls	m	2.5
Electrics		
Supply	V/ph/hz	230/1/50
Fuse rating	amps	3
Motor	Watts	75
Overall dimensions		
Height	mm	940
Blade sweep	mm Ø	1400
Net weight	Kg	4.3



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