

Recoupak De-Stratification Fans



**BENSON
HEATING**



Recoupak Fan

Reduce Fuel Usage

Improve Distribution of Warmth

Automatic Operation

www.bensonheating.com

Recoupak Fans

Benson Recoupak cased de-stratification fans are purpose designed to provide a permanent reduction in roof space temperature. The displacement of this pool of warm air from the roof void to working zone 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 distinctly beneficial effect on operative comfort levels by providing a high level of uniformity of warmth throughout the area where fans are applied.

Technical Data

Model		R1750	R2500	R3250	R4500	R6300	
Air Displacement	m ³ /h	3000	4250	5520	7650	10690	
Mounting Height (Max)	m	9	15	18	24	24	
Electrics	Supply	V/ph/hz					230/1/50
	Fuse Rating	amps	5	10	10	10	10
Overall Dimensions	Height	mm	410	510	510	420	420
	Width	mm	470	572	572	572	720
	Depth	mm	470	572	572	572	720
Nett Weight	kg	14	25	25	25	35	

Specification

Casing: Manufactured from electro zinc coated steel sheet finished with a durable stove hardened epoxy polyester powder paint. Four eye bolt suspension points are provided. Purpose designed fixing kit available as an option.

Controls: Recoupak fans are supplied ready for automatic operation with installations only requiring mounting and connection of a single phase electrical supply. Each fan is fitted with an integral thermostat which makes on temperature rise.

Air Distribution: The in-built thermostat prevents the premature discharge of cold air, automatically operating the fan on temperature rise gently re-directing the warm air downwards through an adjustable four way louvre.

Testing: Every fan is individually inspected and tested prior to despatch.

Guarantee: Benson Recoupak fans are provided with a twelve-month parts only guarantee.

Design

Firstly: Select the fan unit to suit the mounting height requirements. Ideally the fan/s should be positioned about one metre under the highest roof point or apex

Secondly: Calculate the building volume in cubic metres, then multiply the volume by two so that the fans displace the building air volume twice each hour:

Thirdly: To determine the number of fans required divide the result of the building volume multiplied by two by the fan displacement (as measured in cubic metres per hour)



BENSON
HEATING

Ludlow Road,
Knighton
Powys LD7 1LP

Telephone (main) + 44 (0) 1547 528534
Facsimile (main) + 44 (0) 1547 520399
Telephone (sales) + 44 (0) 1547 529245
Facsimile (sales) + 44 (0) 1547 529195
e.mail information@bensonheating.co.uk
sales@bensonheating.co.uk
exportsales@bensonheating.co.uk



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