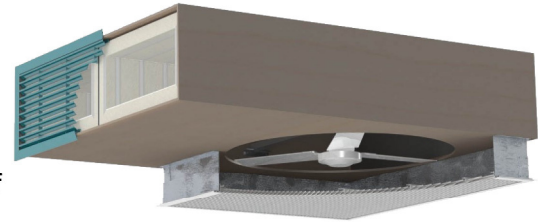


## SOUNDSCOOP *iAT* (*intelligent* Airflow Technology) SPECIFICATION DOCUMENT

### Product Description:

Passivent SoundScoop *iAT* forms part of the SoundScoop range of air ventilation units which incorporate SoundScoop technology combining exceptional acoustic attenuation with very low airflow resistance.

SoundScoop *iAT* has been especially designed for the transfer of air between internal spaces of a building as part of a natural ventilation system, particularly atrium applications, transferring air from rooms connected to atria spaces.



### Applications include:

Education buildings: between circulation spaces such as atriums or corridors and classrooms

Offices: between open plan offices and meeting rooms, or between two meeting rooms

Health buildings: between patient areas and corridors

SoundScoop *iAT* combines substantial noise reduction and low airflow resistance of the SoundScoop transfer with a low power fan which extends the performance envelope of a natural ventilation system to provide complete peace of mind.

SoundScoop *iAT* incorporates a low power consumption 50W sweep fan which extends the range of the ventilation system during conditions when a design strategy may reach the limits of its performance.

The patented acoustic foam and ribbed duct design of the SoundScoop has been developed especially to attenuate speech and footfall noise created within buildings. This results in half the speech noise level whilst providing 50% more flow area compared with the previous best performing solution on the market.

It uses a highly innovative approach to acoustic design which allows a large unobstructed ventilation area. Optimised acoustic design for the transfer of air between noisy and noise sensitive spaces. Extremely low airflow resistance due to an unimpeded acoustic path.

SoundScoop *iAT* creates a flexible acoustic ventilation strategy which can be fully automated using Passivent iC8000 controller and integrated through a building management system.

### Case construction:

Marine grade structural timber enclosure, mineral wool lining covered with a membrane.

### Performance data:

Can be demonstrated to comply with:

- Building Regulations Part F Means of Ventilation, Part L Conservation of fuel and power, and Part E Resistance to the passage of sound
- BB93 Acoustic design of schools – a design guide
- BS8233: 1999 Sound insulation and noise reduction for buildings – code of practice
- Priority Schools Output Specification for Acoustic Design
- Tested to BS EN 13141-1: 2004 Ventilation of Buildings for air transfer between rooms

# Information Update

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## Dimensions

Wall opening, mm (width x height)	SoundScoop iAT Length, mm	Free Area, m <sup>2</sup>	Weight, kg (High Spec foam)	Coefficient of discharge, Cd
1248w x 344h	1589 (600 SoundScoop)	0.20	74	0.49
	1889 (900 SoundScoop)		88	0.49
	2189 (1200 SoundScoop)		102	0.49

## Acoustic performance

Length mm	Average mid frequency Dn,e (dB) 500-2000Hz	Acoustic performance Dn,ew (dB)
1589	>36	>33
1889	>43	>37
2189	>49	>39

## Typical SoundScoop iAT Drawing:

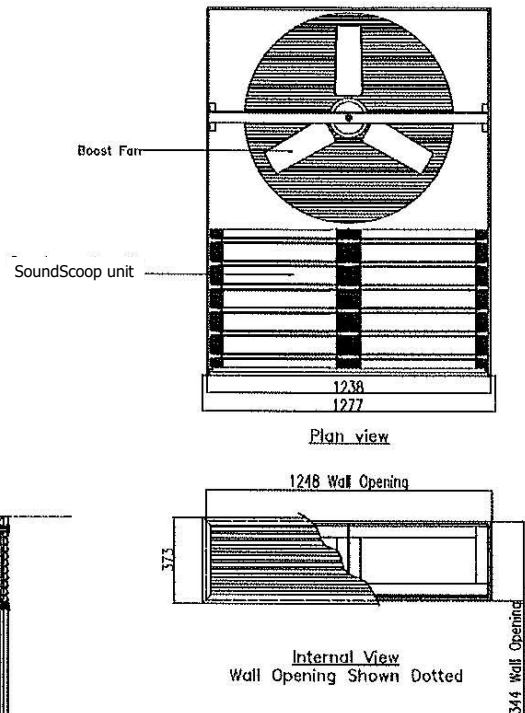
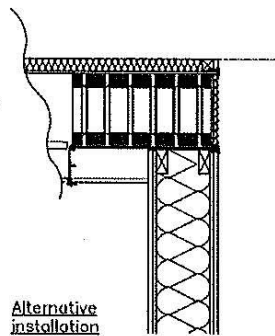
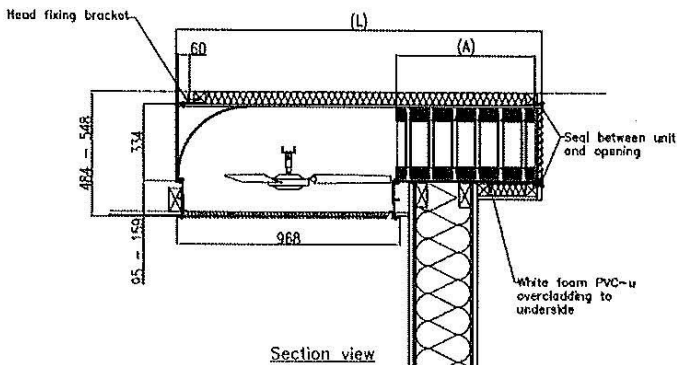
Notes:

It is recommended that expanding tape is used between the vent and the opening to create a good acoustic seal.

Cover Grilles supplied in RAL 9016 (white) as standard.

Fan can be located either atrium or room side.

SoundScoop iAT length (A)	Length (L)
600mm	1589mm
900mm	1889mm
1200mm	2189mm



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## Typical SoundScoop iAT Wiring Schematic:

