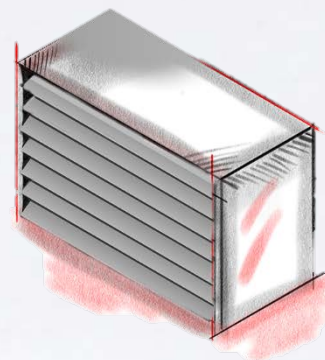


TECHNICAL DATA SHEET

SH Pod Smart soundproofed casing for air conditioners and heat pumps



Description

SH Pod is the soundproofed casing for outdoor air conditioning units, leveraging the synergy of the innovative Slim Hurdle™ and Quiet Leaf™ technologies. Lightweight and versatile, the Smart casing is designed for direct installation on top of the unit, without requiring repositioning or structural modifications under standard conditions. Ensures a reduction in noise emissions from the equipment exceeding 60%, with no impact on the unit's operational performance.

The SH Pod Smart sound-absorbing casing can be installed:

- To attenuate noise emissions from outdoor units while preserving system performance
- To protect units against atmospheric agents, such as hail.
- For screening outdoor units, enabling full colour customisation.

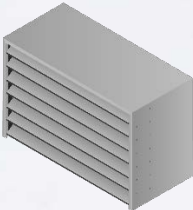
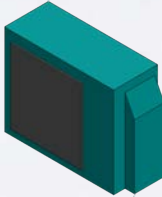
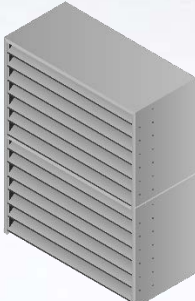
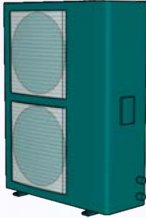
Features

- Internal baffles Thickness: 20 mm
- Net open area: up to 100%
- External Cladding Thickness: 13 mm
- Distance from the unit: 100–150 mm
- SH Pod can always be positioned within the required clearance distances (tested)
- Internal sound-absorbing layer: Noise Layer™ 10 Black – 918 gr/m².
- Shear Damping Mass: Damping Bulk™ 7 Mag. – 5,1 kg/m²
- Operating Temperature Range: from -20°C to +70°C
- Sound Absorption Coefficient (α_w): 0,90 – 0,95

Applications

- Commercial buildings
- Offices and business centres
- Residential buildings
- Industrial plants and production facilities
- Healthcare environments

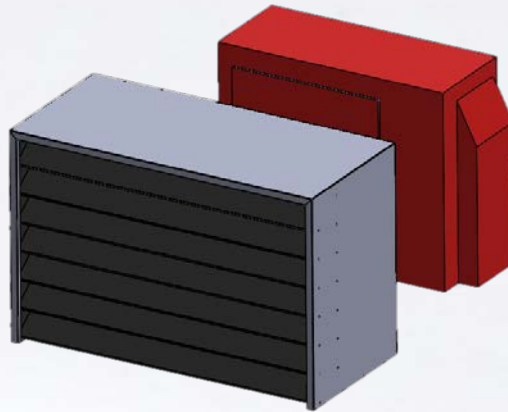
Variants

Products	Casing dimensions	Model	Equipment dimensions	Equipment
SH Pod Smart M	<ul style="list-style-type: none"> L: 1100 P: 600 H: 900 		<ul style="list-style-type: none"> L: 1000 P: 400 H: 800 	
SH Pod Smart XL	<ul style="list-style-type: none"> L: 1250 P: 650 H: 1500 		<ul style="list-style-type: none"> L: 1150 P: 450 H: 1350 	

Accessories

- Commercial buildings
- Offices and business centres
- Residential buildings
- Industrial plants and production facilities
- Healthcare environments

Installation detail



Enhanced aesthetic finish

All casing components are made of galvanised steel.

Coating available in 3 finishes (gloss, matte, and textured), customised in any colour from the full RAL chart.

Pressure drop

<u>SH Pod Smart M</u>	Risultati di calcolo	
Gas velocity in the duct	1.375	m/s
Internal wall roughness	0.012197	r/d
Reynolds number	78347	
Friction coefficient (Colebrook)	0.0413	
Distributed pressure drop	0,35	Pa
Localised pressure drop	0,98	Pa
Total dynamic pressure drop	1,33	Pa

Actual pressure drop: 1,33 Pa

Acoustic Performance

Tests performed on an experimental model in our in-house R&D laboratories.

→ $R_w = 5 \text{ dB(A)}$.

To ensure optimal results, the product must be installed following a thorough technical/acoustic assessment of the noise source. The unit must be installed at the correct distance from the rear wall, and all pipe passages must be properly sealed. For maximum effectiveness, installation by specialised personnel is strongly recommended.

The user is solely responsible for ensuring compliance with applicable laws and for obtaining necessary permits and authorisations.