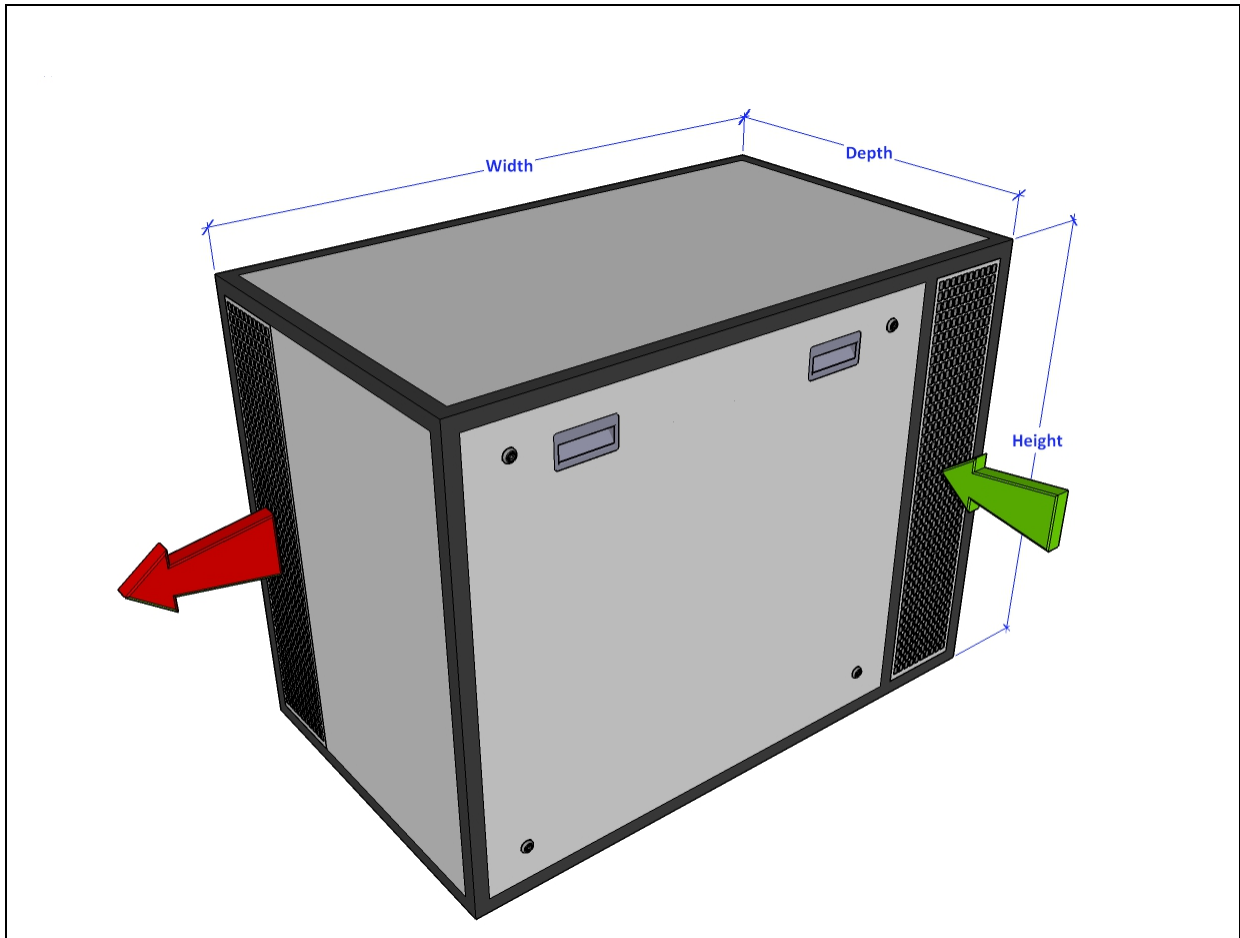


Environmental Equipment Corporation Ltd

CONDENSER ACOUSTIC ENCLOSURES

MODEL SERIES : SALAMANDER

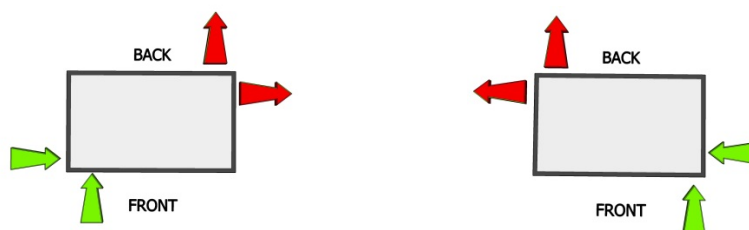


Effective noise reduction and vibration isolation for side discharge air source heat pumps, split system AC condensers, mini VRV and refrigeration condensers.

Product Acoustic Performance

Insertion loss at Octave Band Centre Frequency								
63	125	250	500	1k	2k	4k	8k	Hz
15	15	16	22	27	32	32	32	dB

Orientation options:



Drawing is indicative / Acoustic performance is typical, based on static sound source and can be tailored to suit the application

MATERIALS AND CONSTRUCTION

Casing

The panels have a double-skin type construction, having an overall thickness of 50mm. The outer surface shall be not less than 18 swg mild steel, and the inner surface 22 swg perforated, galvanised mild steel. The inner and outer faces shall be secured to a formed 16 swg galvanised mild steel channel framework.

The standard finish is galvanised mild steel for the solid sheet outer and the perforated sheet inner faces. Alternative finishes include PVC Plastisol to British Steel and BS Colour range, stove enamel, polyester powder paint to any BS or RAL Colour range.

Alternative materials - aluminium, stainless steel.

Note that the in situ acoustic performance is based upon standard construction 18g steel

Acoustic Infill

The acoustic fill is inorganic, non-hygroscopic, flame, moisture and vermin proof mineral wool or glass fibre, with a minimum density of 48kg/m³, and packed under at least 10% compression to avoid settling.

Casing Connections

The panels shall be connected with 18 swg minimum mild steel sections, rolled angle or channel sections, dependent on site requirements. The panels shall locate into their joiners or securing sections on close cell neoprene sponge and mastic. The section design and sealing arrangement shall be such that optimum acoustic performance is achieved from the erected acoustic structure.

Service Connections

Penetrations for pipework, cables and ducts, etc, will be made where possible during manufacture, extract acoustic infill and closure sealing plates supplied with panels. The preferred pipework and service routes are through the airways. The acoustic performance assumes this method

Access

Where doors or lift off panels are fitted for either plant removal or maintenance access they will have an acoustic performance equal to the panelwork. Doors will be fitted with heavy duty hinges. All inset access panels and doors will include compression seals.

Warranty

A warranty against defective materials or workmanship is furnished with all EEC products, expiring 12 months from the date of despatch from our works.

We reserve the right to improve our design and specification at any time, without prior notice.