

INTERNAL PLANT ENCLOSURES

Internal plant enclosures reduce the breakout noise from plant equipment located inside a building. AHL can provide enclosures to suit:

- Mitsubishi BC boxes
- Mitsubishi Lossnay units
- Daikin BS boxes
- FCU, Refrigerant Switching units and Heat Exchanger units from various manufacturers

Enclosures are designed to encase the item whilst providing penetrations for piped and wired services, and access panels for servicing requirements. Boxes are supplied for contractor fitting, and can be supplied for pre installation or post installation fitting.

Options

Pre installation fitting or post installation fitting (please specify when ordering)
 Polyester Powder coated (PPC) to any standard RAL colour (RAL xxxx).

Acoustic Performance

Octave band C frequency	63	125	250	500	1k	2k	4k	8k
Typical Internal Enclosure Transmission Loss of Breakout Noise	9	10	16	28	37	50	50	50



Specification

Galvanised steel construction - Enclosed unit supported by base panel of enclosure - Enclosure to be suspended from base panel cleats by threaded steel rod - Internal face manufactured from perforated sheet metal with an inert, acoustically absorptive infill - Pipework to be flashed with laser cut steel plates - For Retrofitting enclosure, clearance must be available around the unit to accommodate depth of enclosure panels & clearance to slide top panel above unit.

NB. Noise can travel down pipework from refrigerant switching boxes: pipework should be suitably lagged to reduce noise from this source.

The enclosure reduces breakout noise from FCU and Heat Exchanger units, but ductwork attenuators are recommended to the supply, return, intake and exhaust ducts to avoid noise travelling down ductwork.

Ordering

All Enclosures are made to order.