

50 Series

#DUL0HH00Booth

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making the world a quieter place

MAXI 350 Series Hearing Screening Booth

The 350 Series Sound Shelter provides a controlled acoustic environment in which hearing evaluation can be undertaken efficiently at low cost. Equipped with its own ventilation system, lighting, and Jack panel (for connection to an audiometer) it is ready to use within hours of delivery.

Dimensions

| | W (mm) | D (mm) | H (mm) |
|--------------------|--------|--------|--------|
| Outside Dimensions | 1000 | 1070 | 2270 |
| Inside Dimensions | 895 | 950 | 2000 |

Weight: Approx 390kg net.

Construction

IAC Noishield® panels (53mm thick) - plain galvanised steel exterior surfaces and perforated galvanised steel interior surfaces.

Door

One 894mm wide x 2000mm high (clear opening) IAC door. For complete safety and effective acoustic control, self-aligning magnetic compression seals are mounted on the top, bottom and sides of the door leaf. The door can be supplied with either a right or left hand opening.

Window

One double glazed unit comprises 6mm thick safety glass fitted in aluminium frames; clear view 750mm high x 600mm wide. The lower portion of the window has a frosted section.

Ventilation

Ceiling panel contains a 12 volt IAC Tranquil Aire® all-in-one silenced ventilation system.

Jack panel

Completely pre-wired, flush-mounted jack panel consists of nine 6.3mm 3 pole sockets and one USB connection.



Lighting

LED maintenance free, ceiling recessed light, 12 volt.



Electrical

A 3 m long drop cord complete with mains/12 volt transformer is provided for connection to a 220/240v mains power socket.

Floor

Floor entry threshold height: approx. 110 mm. Carpet, colour black

Paint Finish

White powder paint, RAL 9010 white matt, exterior and interior.

Installation

Booth is supplied in kit-form, finish decorated. Concise build instructions are included or alternatively IAC personnel can undertake the assembly.

Optional Equipment

(Additional costs apply)

- (a) Anti-vibration mounts
- (b) Alternative wired jack panels
- (c) Alternative paint colours
- (d) Acoustic window in door
- (e) Intercom
- (f) Customized logo and branding

Acoustic Performance

Typical sound insulation is defined here as the measured sound pressure level difference of the assembled cabin in a reverberation chamber from inside to outside.

| Octave band center frequency [Hz] | 125 Hz | 250 Hz | 500 Hz | 1.000 Hz | 2.000 Hz | 4.000 Hz | 8.000 Hz |
|-----------------------------------|--------|--------|--------|----------|----------|----------|----------|
| Typical Sound Insulation R [dB] | 18 dB | 32 dB | 38 dB | 44 dB | 51 dB | 52 dB | 50 dB |

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