



IAC Bulletin VOB-DS/1.01

This datasheet should be read in conjunction with IAC Bulletin No. MS/1.00 (Modular Studios, pages 3/4) which contains full details of the six models in IAC's standard voice-over booth range, including sizes, shapes and weights.



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IAC STANDARD VOICE-OVER BOOTH (VOB) SPECIFICATIONS

Construction:

Walls, floor and ceiling are constructed from 100mm thick modular acoustic panels. Panels are fabricated from steel face sheets, framing members and internal stiffeners which are welded and rivetted together to form a rugged shell. Panels contain a sound-retardant, absorbing acoustic infill which is inert, mildew-resistant, verminproof and incombustible. Panels are acoustically and structurally joined together by "H" members. These are made from one-piece seamless, non-welded, roll-formed steel to ensure that the acoustic integrity of the booth is maintained. Panels are from either the Moduline®, Noise-Lock® II or Moduline Noishield® Hard ranges. Full certified acoustic performance data can be found in IAC Bulletin No. 6.0513.

Door (s) are from the IAC Noise-Lock range and are fabricated from steel face sheets with welded steel frames and internal reinforcing sections. Door leaves are filled with sound-absorptive acoustic infill (as for walls etc). Sides and head of door and frame have two (2) sets of self-aligning magnetic compression seals. Doors have a bevelled floor threshold fitted with double-compression seals. Door furniture comprises two (2) push/pull handles, two (2) hinges and a door closer, all in satin anodized aluminium.

Windows are from the IAC Noise-Lock range and have anodized aluminium frames. Single-wall booths (Models VOB-1A, VOB-2A and VOB3A) have a double-glazed window while double-wall booths (VOB-1, VOB-2 and VOB-3) have quadruple-glazed windows. All windows are 1000mm high and between 800mm and 1500mm wide depending on model. Panes of glass are independently supported.

Structural isolation is accomplished by mounting the booth on flexible load bearers. Where air movement is supplied through ducts, flexible connectors will be fitted between the ventilation panels and supply/return air ducts.

Acoustic Performance:

Typical field test results for IAC Voice-Over Booths are shown in Table 1 (below). Performance data for individual components (eg doors) can be found in separate publications, available on request.

TABLE 1 - Acoustic Performance of IAC Voice-Over Booths		
	VOB Models 1, 2 & 3	VOB Models 1A, 2A & 3A
Ventilation Noise Rating	NR25 max	NR25 max
Noise Reduction (room-to-corridor average 125-4000Hz octaves)	Greater than 60dB	Greater than 40dB
Reverberation Time (average speech frequencies)	Less than 0.15 secs	Less than 0.15 secs

Booth selection: In a quiet location, dedicated to voice-over work, single wall booths (Models 1A, 2A & 3A) are usually suitable. In all other circumstances, double wall booths (Models 1, 2 & 3) are recommended.

Ventilation:

The booth is equipped with an integral IAC Tranquil-Aire® all-in-one ventilation system which provides up to 25 litres/second air circulation. The ventilation system is fitted to 175mm thick ventilation panels, which provide an acoustically designed labyrinth passage for silent air movement. The acoustic rating of the panels is compatible with that of wall and ceiling panels.

Electrics:

Each booth is fitted with a domestic light and switch, two (2) power sockets, one (1) fire warning flashing beacon and one (1) "Recording" lightbox. These items are wired to a 3 metre length of electrical cable for connection to the mains supply (by others). An access point for technical wiring is provided. The booth operates on a 240V, 50Hz power supply.

Finish:

Internal walls are fabric covered and the floor of the booth is carpeted. Timber skirting boards are provided. A false ceiling is fitted 100mm below the ceiling panel. The finishes ensure that the correct reverberation time is achieved inside the booth and that the booth is free from echoes and flutters. External walls are factory prime painted ready for decoration*.

Installation:

IAC offers a full installation service. Alternatively, clients may prefer to install their own booths under the supervision of an IAC engineer.

Optional Extras:

- Timber window frames
- *Fabric or other finish to external walls
- Acoustic (non-reflective) work surface
- Kick plates and locks for doors
- Angled acoustic window
- Out-swinging door for single wall models