

Mini-Acoustical Chambers

Preassembled Research Chambers Ready for In-Field Placement & Immediate Use



IAC Acoustics' MAC (Mini-Acoustical Chambers) are preassembled chambers ready for in-field placement and immediate use. MAC enclosures are typically used in research. Most commonly found at universities and hospitals, the MAC enclosures can be used for a wide range of applications. These enclosures come in a variety of sizes and can support tech and/or animal research.

Standard Features Include:

- Portable
- Pre-assembled
- Ready for use (plug-in power)
- Built-in ventilation & lighting
- Baked polyester powder coated
- Includes IAC Acoustics floor system, acoustic door & double glazed window
- Blank audiometric jack plate

Dimensions

Model MAC-1:

Outside Dimensions:

27" wide x 21" deep x 25" high
(686 mm x 533 mm x 635 mm)

Inside Dimensions:

23" wide x 16" deep x 14" high
(584 mm x 406 mm x 356 mm)

Model MAC-2:

Outside Dimensions:

32" wide x 32" deep x 52" high
(813 mm x 813 mm x 1321 mm)

Inside Dimensions:

24" wide x 24" deep x 32" high
(610 mm x 610 mm x 813 mm)

Model MAC-3:

Outside Dimensions:

40" wide x 32" deep x 44" high
(1016 mm x 813 mm x 1118 mm)

Inside Dimensions:

32" wide x 24" deep x 24" high
(813 mm x 610 mm x 610 mm)

Weight

Model MAC-1:

230 lbs (shipped assembled)

Model MAC-2/MAC-3:

600 lbs (shipped assembled)

Standard Color

All Models:

Khaki Shade

(additional colors available upon request)

Optional Features

- One-way glass
- Inner surfaces (excluding ceiling) of 22 gauge solid stainless steel
- RF Shielding (60 cycle grounding)
- Casters for mobility & ease of use

Acoustical Performance

Model MAC-1								
Octave Band Center Frequency, Hz								
63	125	250	500	1k	2k	4k	8k	
Field Noise Reduction, dB (out to in)								
13	18	23	29	36	37	38	40	
Sound Absorption Coefficients								NRC
—	0.28	0.55	0.94	0.99	0.87	0.82	—	0.85

Model MAC-2 & MAC-3								
Octave Band Center Frequency, Hz								
63	125	250	500	1k	2k	4k	8k	
Field Noise Reduction, dB (out to in)								
—	32	40	45	52	57	56	56	
Sound Absorption Coefficients								NRC
—	0.94	1.19	1.11	1.06	1.03	1.03	1.04	1.10



Special chambers and larger sizes also available