



# models mac-1, mac-2, and mac-3 mini-acoustical chambers

PRODUCT R&D AND ON-LINE QUALITY ASSURANCE

- **Portable**
- **Pre-assembled**
- **Ready for Use – 'Plug-in' Power**
- **Finish Painted**
- **Built-in Ventilation/Lighting**
- **One Table Model**
- **Two Floor Models with Casters**

### Testing Applications:

- |   |   |
|---|---|
| <input type="checkbox"/> Small Appliances   | <input type="checkbox"/> Horns/Alarms/Bells |
| <input type="checkbox"/> Power Tools        | <input type="checkbox"/> Pumps              |
| <input type="checkbox"/> Fans               | <input type="checkbox"/> Pneumatic Devices  |
| <input type="checkbox"/> Automotive Devices | <input type="checkbox"/> Speakers           |
| <input type="checkbox"/> Motors             | <input type="checkbox"/> Mini Transformers  |



model  
mac-2



model  
mac-1



model  
mac-3



**INDUSTRIAL ACOUSTICS COMPANY**

# ACOUSTIC PERFORMANCE AND SPECIFICATIONS

MODEL mac-1										MODELS mac-2 and mac-3									
Octave Band Center Frequency, Hz										Octave Band Center Frequency, Hz									
63	125	250	500	1000	2000	4000	8000			63	125	250	500	1000	2000	4000	8000		
Field Noise Reduction, dB (Out to In)										Field Noise Reduction, dB (Out to In)									
13	18	23	29	36	37	38	40			—	32	40	45	52	57	56	56		
Sound Absorption Coefficients									NRC	Sound Absorption Coefficients									NRC
—	0.28	0.55	0.94	0.99	0.87	0.82	—	0.85		—	0.94	1.19	1.11	1.06	1.03	1.03	1.04	1.10	

## DIMENSIONS:

### Model mac-1

Outside dimensions: 27 in. wide x 21 in. deep x 25 in. high (686mm x 533mm x 635mm).

Inside dimensions: 23 in. wide x 16 in. deep x 14 in. high (584mm x 406mm x 356mm).

### Model mac-2

Outside dimensions: 32 in. wide x 32 in. deep x 52 in. high (813mm x 813mm x 1321mm).

Inside dimensions: 24 in. wide x 24 in. deep x 32 in. high (610mm x 610mm x 8134mm).

### Model mac-3

Outside dimensions: 40 in. wide x 32 in. deep x 44 in. high (1016mm x 813mm x 1118mm).

Inside dimensions: 32 in. wide x 24 in. deep x 24 in. high (813mm x 610mm x 6104mm).

## CONSTRUCTION:

**Model mac-1** – Outer surfaces are 16 gauge (1.52mm) cold-rolled steel. Inner surfaces are 22 gauge (0.760mm) cold-rolled steel.

**Models mac-2 and mac-3** – Outer surfaces are 16 gauge (1.52mm) cold-rolled steel. Inner floor 22 gauge (0.760mm) stainless steel. All other inner surfaces are 22 gauge (0.760 mm) cold-rolled steel.

## WEIGHT:

**Model mac-1** – 230 lb (104kg) shipped assembled.

**Models mac-2 and mac-3** – 600 lb (272kg) shipped assembled.

## STANDARD COLOR:

All models – outside and inside, Desert Sands.

## STANDARD FEATURES:

### All Models

- Recessed electric light fixture
- Switches (light and fan) with 'plug-in' power
- Durable hardware
- Connector panel

### Model mac-1

- Isolators
- 18 in. wide x 12 in. high (457mm x 305mm) double-glazed observation window.

### Model mac-2

- Vibration-isolating rubber tread casters for easy mobility
- 21 in. wide x 31 in. high (533mm x 787mm) clear opening door with 12 in. wide x 12 in. high (305mm x 305mm) double-glazed vision panel.

### Model mac-3

- Vibration-isolating rubber tread casters for easy mobility
- 29 in. wide x 24 in. high (737mm x 610mm) clear opening door with 18 in. wide x 12 in. high (457mm x 305mm) double-glazed vision panel.

## OPTIONAL FEATURES:

- One-way glass
- Inner surfaces (excluding ceiling) of 22 gauge (760mm) solid stainless steel — designate model mac-1, 2 or 3s
- RF Shielding, 60 cycle grounding

**SPECIAL CHAMBERS AND LARGER SIZES ALSO AVAILABLE.**  
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*All designs and specifications subject to change without notice. All dimensions nominal.*

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