# Data Sheet
## 40a Classic Series Audiometric Booth

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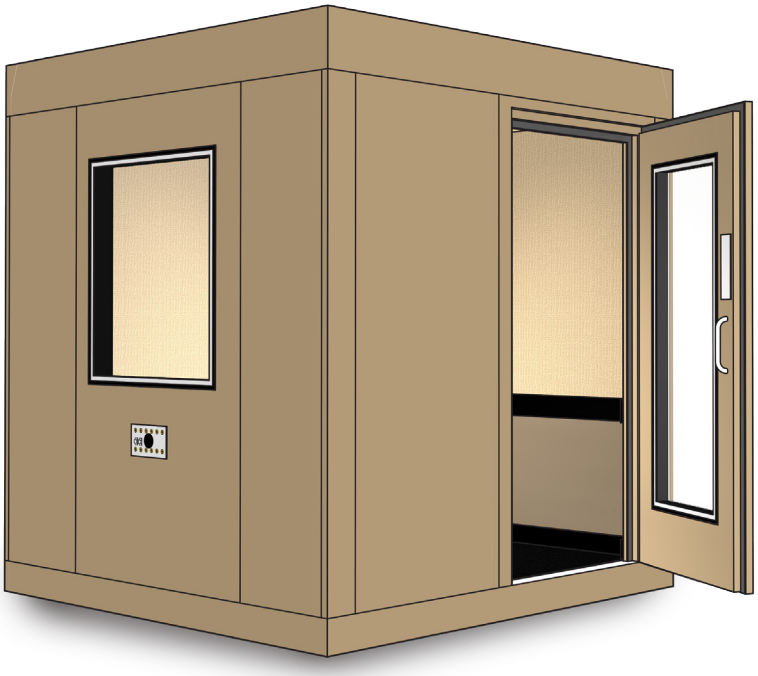
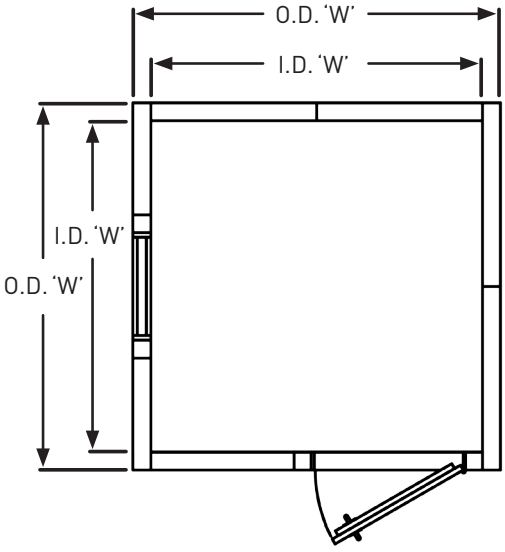


The **40a Classic Series Single-Wall** (individual room) construction is a single or multiple occupancy room constructed of 4" thick modular panels, complete with carpeted vibration isolated floor, space-saver roof mounted ventilation, recessed electrical, Noise-Lock® doors and double glazed windows, audiometric jack panels acoustically matched and shipped ready for field assembly.

- NIC 50
- NIC 53 with 1" Enhancement Package

### Typical Plan




AccuTone 2
ANY SIZE • ANY SHAPE • ANY COLOR

| Model No. | Inside Dimension ft-in x ft-in x ft-in | | | | | Outside Dimension ft-in x ft-in x ft-in | | | | | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | L | x | W | x | D | L | x | W | x | H | |
| 40a-1 | 2-10 | x | 3-6 | x | 6-6 | 3-6 | x | 4-2 | x | 7-7 | 1131 |
| 40a-2 | 3-6 | x | 4-4 | x | 6-6 | 4-2 | x | 5-0 | x | 7-7 | 1477 |
| 40a-2.5 | 3-6 | x | 6-2 | x | 6-6 | 4-2 | x | 6-10 | x | 7-7 | 1868 |
| 40a-3 | 3-6 | x | 6-8 | x | 6-6 | 4-2 | x | 7-4 | x | 7-7 | 1982 |
| 40a-4 | 4-8 | x | 7-0 | x | 6-6 | 5-4 | x | 7-8 | x | 7-7 | 2473 |
| 40a-5 | 6-2 | x | 6-2 | x | 6-6 | 6-10 | x | 6-10 | x | 7-7 | 2670 |
| 40a-5.5 | 6-4 | x | 7-6 | x | 6-6 | 7-0 | x | 8-2 | x | 7-7 | 3113 |
| 40a-6 | 7-0 | x | 7-0 | x | 6-6 | 7-8 | x | 7-8 | x | 7-7 | 3149 |
| 40a-7 | 7-0 | x | 7-6 | x | 6-6 | 7-8 | x | 8-2 | x | 7-7 | 3316 |
| 40a-7.5 | 6-4 | x | 8-4 | x | 6-6 | 7-0 | x | 9-0 | x | 7-7 | 3345 |
| 40a-8 | 7-0 | x | 8-8 | x | 6-6 | 7-8 | x | 9-4 | x | 7-7 | 3668 |
| 40a-9 | 7-0 | x | 9-10 | x | 6-6 | 7-8 | x | 10-6 | x | 7-7 | 4008 |
| 40a-10 | 8-2 | x | 8-8 | x | 6-6 | 8-10 | x | 9-4 | x | 7-7 | 4061 |
| 40a-11 | 8-6 | x | 8-6 | x | 6-6 | 9-2 | x | 9-2 | x | 7-7 | 4113 |
| 40a-12 | 8-2 | x | 9-10 | x | 6-6 | 8-10 | x | 10-6 | x | 7-7 | 4429 |
| 40a-13 | 9-4 | x | 9-10 | x | 6-6 | 10-0 | x | 10-6 | x | 7-7 | 4896 |
| 40a-13.5 | 8-8 | x | 11-2 | x | 6-6 | 9-4 | x | 11-10 | x | 7-7 | 5053 |
| 40a-14 | 10-6 | x | 9-10 | x | 6-6 | 11-2 | x | 10-6 | x | 7-7 | 5310 |

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**Total Estimated Design Weight:**

See table on page 1

**Panel Construction:**

Noise-Lock® V (walls) and Noise-Lock® VI (ceiling)

**Panel Size:**

Maximum panel size to be determined by customer for adequate site access.

**Interior Surfaces:**

22ga. galvanized perforated steel

**Exterior Surfaces:**

14ga. cold rolled solid steel

**Floor Interior Surface:**

11ga. hot rolled steel

**Finish:**

Textured powder coated

**Door:**

(1) 2'-9" wide x 6'-1½" high clear opening cam-lift splitframe with push plate and pull handles

Note:

- Dimensions locating door are shown to the clear opening
- Noise-Lock® STC-51

**Window:**

(1) 2'-6" wide x 2'-10" high aluminum frame double glazed with ¼" thick laminated safety glass (width reduced on smaller models)

**Booth Vibration Isolation:**

Vibration isolator rails to be provided below floor panels

**Electrical:**

- 120V recessed incandescent light fixture
- 120V toggle switch for fans and lights
- 120V duplex receptacle

Note:

- Customer to provide 110V, 60Hz, 20 amp power to roof mounted quad receptacle power cord
- All electrical is wired per 2002 national electric code
- Booth is factory UL certified and labeled
- (Lot) boxes, connectors, etc. as required for complete installation

**Audiometric Jack Panel Comprised of:**

- (12) Switchcraft three-wire phone-type jacks
- (2) USB ports
- (1) 2" ID passthrough hole with cover

**Booth Options:**

Ventilation:

Integrated SpaceSaver exhaust/inlet air ceiling silencer panels and 120V, 60Hz, 14w fans or HVAC connection collars to connect to building system

Available Colors:

- Khaki Shade
- Polar Blue
- Limoge Cream
- Celedon
- First Star
- Pure White
- Kinetic Khaki
- Colony Blue
- Cinnamon Stick
- Jade Market
- Silver Plate
- Gray Primer

Floor Covering:

Nylon carpet, to match paint color selection with 3/8" thick underlayment and 2-1/2" H black cove base molding included

**Site Requirements:**

- Customer to provide a finished floor which is within +/- ¼" of level in 10 non-cumulative feet
- 2" minimum clearance is required between the exterior of testing booth and host facility walls/ceiling

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# Accutone2 Series Audiometric Room Options

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## Doors:

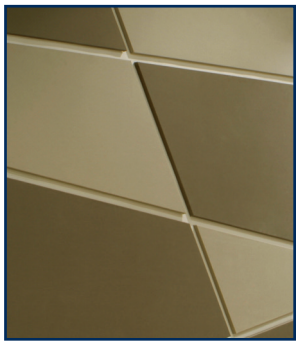
- Noise-Lock® double-glazed windows in door
  - 12" x 12" View Port
  - 16" x 24" Side Light
  - 20" x 60" Full Glass
- Additional & oversized doors including double leaf
- Wood veneered door finishes
- Mortised type, lever handle, recessed key locks
- Door closers

## Optional Equipment:

- One-way Noise-Lock® glass
- One-way Noise-Lock® glass on sliding rails
- RF & electromagnetic shielding
- Special jack-panels
- Pass throughs
- Fire rated outer walls and doors

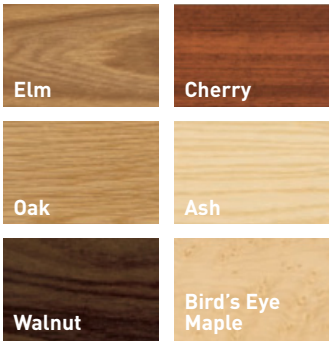
## Standard Enhancement Packages:

- Enhancement packages available with choice of fabric & liner colors
- Paneling & carpeting in 5 colors
- Absorptive & aesthetic fabric top paneling
- Space-enhancing chair-rail
- Edge-smoothing corner panels



## Exterior Enhancement Packages:

- Exterior enhancement packages available with WoodTrends by Sound Seal
- Aesthetically pleasing finishes that show off the beauty of real wood
- Available in a variety of popular as well as exotic wood veneer species (additional veneer options available upon request)



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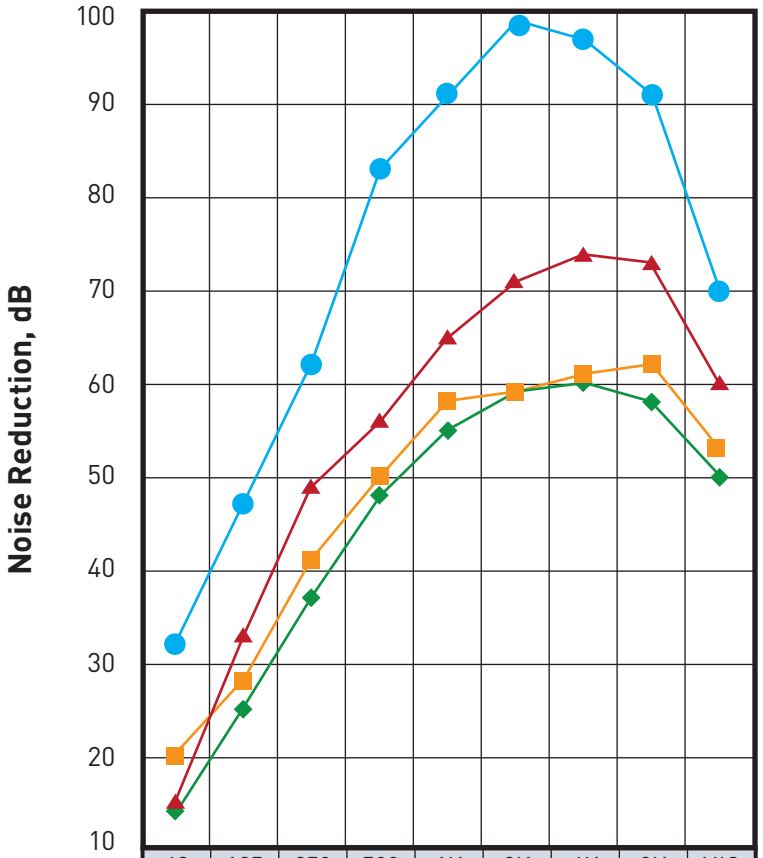
AccuTone 2 Enhanced Performance Audiometric Series

### Room Noise Reduction




| | 63 | 125 | 250 | 500 | 1K | 2K | 4K | 8K | NIC |
|---|---|---|---|---|---|---|---|---|---|
| 40 Single Wall | 14 | 25 | 37 | 48 | 55 | 59 | 60 | 58 | 50 |
| 40 Single Wall w/ 1" Enhancement | 20 | 28 | 41 | 50 | 58 | 59 | 61 | 62 | 53 |
| 800 Single Wall w/ 4" Enhancement | 15 | 33 | 49 | 56 | 65 | 71 | 74 | 73 | 60 |
| 120 Double Wall | 32 | 47 | 62 | 83 | 91 | 99 | 97 | 91 | 70 |

**Octave Band Center Frequency, Hz**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