

Mission 753 Freedom Loudspeaker

Construction

Enclosure	25 mm unique transverse-folded Carcass
Material	Medium density fibre board.
Construction	Unique transverse cabinet design
Baffle	MDF baffle forms structure of entire cabinet
Damping	Constrained layered damped walls with fire-retardant Polyurethane foam.

Electrical

L.F. Unit	4 x 5¼" (130mm) plastiflexed paper cones, rubber surround with double layer aluminium former
H.F. Unit	25mm (1") ferrofluid-cooled silk dome
Cross-Over network	10-element quality components with Bi-ampable/bi-wirable 5-way gold binding post terminals.

Specifications

Enclosure Type	2-Way, with room aligned bass assist, floor-standing tower.
Frequency Response:	
60Hz to 20kHz	± 1.5 dB
-6dB Point	35 Hz
Sensitivity SPL/m/2.83V	90 dB
Max. SPL per pair	111 dB
Cross-Over Frequency	200Hz & 2.3 kHz
Effective Volume	34 Litres
Nominal Impedance	6 Ohms
Recommended Amplifier	25 - 150 W/C
Cabinet Dimensions (H x W x D)	875 x 208 x 315 (mm) 34.5 x 8.2 x 12.4 (inches)
Finishes	Black Ash, Rosewood & Primavera Real wood Veneer

Features

Unique *TFT* transverse-folding
Long throw L.F. units
Rigid fixing rings
Silk dome HF unit
Smooth off axis response
Hard wired crossover
Split crossover network
High Efficiency

Unique bass alignment

Benefits

- Ultra rigid construction eliminating cabinet coloration.
- Ensures control by amplifier at cone excursion extremes
- Consistent fixing of L.F. unit to baffle without distortion
- Highly refined, ultra-low distortion high frequency unit
- Ultra stable imagery over wide listening area
- Ensures less signal degradation
- Reduces back EMF distortion
- Allows use with ultra high quality, low power amplifiers
- High dynamic range capability
- Minimises room interference problems

Setting Up

- RUN IN for at least 24 hours with music programme.
- Use spike provided for optimum coupling to the floor.
- In smaller rooms, tilt cabinet back with longer front spikes
- Place within 30cm of the back wall without toe-in angle.
- Use quality speaker cable preferably bi-wired (Mission Quartet)
- Ensure all drive units are fully tightened before use.
- Ensure a minimum of 2m between the two loudspeakers.

Mission753 Freedom

The Mission 753 Reference Tower offers a wide-bandwidth no-compromise performance in an elegant and visually attractive package. The MISSION753 is an exquisite piece of furniture for the serious audiophile. Behind the beauty of the superbly styled and crafted cabinetry lies the result of much skilful and creative engineering. The design solutions employed within the 753 are novel, while the manufacturing techniques are among the most advanced in the world. The overall result is a speaker system with unrivalled performance capabilities.

- Unique transverse-folded cabinet technology (TFCT), made possible by Mission's high-tech precision CNC manufacturing capability, provides new levels of enclosure integrity and rigidity.
- The standard of precision and finish in the 753 cabinets, found only in some exotic designs of an order of magnitude more cost, exemplifies the attention to detail and Mission's commitment to total quality concept.
- Visco-elastic internal cabinet wall damping restrains resonant energy and minimises coloration "smear".
- The multi-driver bass/mid array of the 753 exploits the highly desired, laterally coherent dispersion characteristic of small radiating cone area for superb stereo localisation. The 753 driver array provides more than 350 square centimetres of total radiating area this being responsible for the believable and authoritative bass rendition.
- Twin chamber enclosure design allows upper two driver pair to operate under optimum conditions for midband coherence, while providing the correct environment for the "bass pump" lower section of the array.
- Silk tweeter dome offers exceptionally smooth and "silky" high frequency performance with superior off-axis response. The design is optimised to provide virtually no compression with increasing level and an ultra-fast transient response.
- Split crossover network construction optimises signal paths to minimise electro-mechanical drive unit interactions. Quality components used in the cross-over construction ensure maximum information retrieval from the 753s.
- Bi-wiring capability of the 753s dispels inter-driver ground induced intermodulation, improving clarity and bass definition.
- The remarkable dB/watt efficiency and the high power handling nature of the 753 design ensure outstanding dynamic capability for believable reproduction of all types of music at live concert sound pressure levels.