
FR07

Full Range Loudspeaker Cabinet



acoustic technologies

The Acoustic Technologies FR07 Full Range Loudspeaker Cabinet is the result of an extensive and on-going program to develop the very best double 15" and horn loudspeaker system on the market to date.

The FR07 is a finely tuned dual chamber enclosure fitted with two 800 Watt, 15" bass drivers and an extremely efficient 2" high frequency compression driver. The HF driver is coupled to a high density, 100°(H) x 40°(V) controlled dispersion horn flare. An optimised passive crossover network is an integral component of this superb loudspeaker enclosure. Optional switching allows the cabinet to be used in systems with active crossovers.

The FR07 exhibits an outstanding 1750 Watt power handling capability combined with ultra low distortion and a smooth, extended frequency response. The FR07 is an ideal loudspeaker system for Dance Clubs, Live Music Venues, Corporate Installations, Houses of Worship or any situation where portability is an important consideration. Sound rental companies in particular love the versatility and ease of transportation offered by the FR07. This cabinet fulfils the needs of a large and diverse range of their clients.

The FR07 is available with many finish and hardware options making for a

FR07 EXCELLENCE IN AUDIO



FR07 Full Range Speaker System

FEATURES

- 1750 Watt Power Handling
- Superb High Power Reproduction of Voice and Music
- Wide Frequency Response 40Hz - 19kHz
- Transport Friendly
- 3 Year Warranty

FR07

SPECIFICATIONS

Transducer Complement		2 x 15" Bass-Mid Transducers 1 x 2" HF Compression Driver
Frequency Response		40 Hz - 19 kHz \pm 3 dB
Sensitivity		98 dB @ 1 watt, 1 metre
Maximum Input	Continuous Program	900 Watts RMS 1750 Watts Program
Maximum SPL (Calculated)	Continuous Program	128 dB @ 1 metre 131 dB @ 1 metre
Nominal Impedance		4 Ohms
H.F. Dispersion	Horizontal Vertical	100° 40°
Physical Size		Height 1200mm, Width 512mm, Depth 512mm
Nett Weight		67 Kg (Varies slightly with options)
Connectors		2 x Speakon Connectors
Crossover Switching		Optional switching to allow Passive or Active Crossover operation
Hardware and Flying Options		Handgrips. Castors. Fixed Installation Attachment Points. Fly Track Rigging System.
Cabinet Finish Options		Textured Black Paint Finish. AcoustiCoate Black Elastomer Finish. A wide range of decor matched and custom finishes are available.
Grille Finish Options		Black Powder Coat Paint Finish. Chrome Plated. Weather Resistant Treatment. Colour matched for decor cabinets

The FR07 enclosure is constructed of high quality 18mm Finnish Birch Ply.

A wide range of hardware, grille and cabinet finishing options are available.

The transducers are protected by a rugged expanded steel grille. Acoustically transparent PVC foam is bonded to the mesh providing a durable, visually appealing finish.

The FR07 passive crossover provides a seamless transition between the transducers. The crossover frequency is selected to enhance the already superb performance of the individual components. Great care is taken to ensure that a phase coherent output is maintained across the entire audio bandwidth.

Sensitivity, Maximum Power and SPL measurements are conducted in accordance with the AES 24 Hour Pink Noise Standard. Acoustic Technologies reserve the right to alter or amend the FR07 without prior warning in the interests of product improvement.

APPLICATIONS

- **Live Band Music Reproduction**
- **Drumfill and Side Stage Monitoring**
- **Church Sound System Installations**
- **Sporting Arenas**
- **Dance Club Applications**
- **Rehearsal Studios**



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