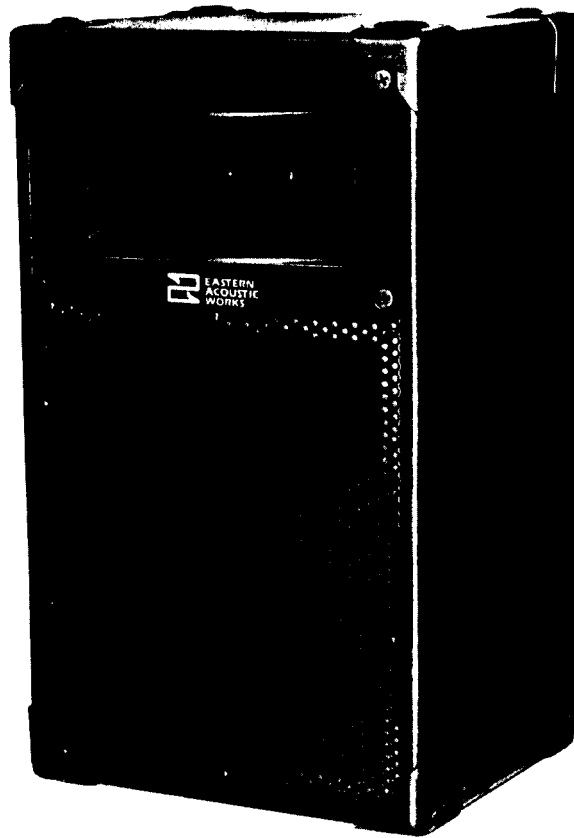


Forsythe Series FR102

**Ultra Compact
Nearfield Full
Range System**



Ultra Compact Size

Occupying less than one cubic foot of volume, the FR102 is the ideal problem solver for tight fitting applications such as under balcony fill, foreground music, satellite MF/HF and highly portable AV presentations.

Exceptionally Wide Horizontal Coverage

The FR102 maintains a horizontal coverage of 110 degrees above 16,000 Hz so even the highest musical overtones can be heard by every listener. This wide open sound contributes to the FR102's natural "hi-fi" sound character.

High Output Capabilities

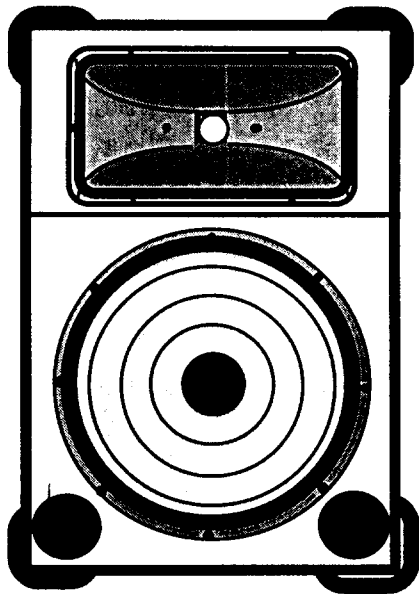
The combination of the FR102's 98 dB SPL sensitivity and 250 watts of AES standard power handling results in 121 dB SPL maximum output at one meter. This enables the FR102 to offer the equivalent output of 4 to 8 typical hi-fi or compact studio monitor loudspeaker systems.

Ultra Durability

The FR102, despite its size, is built to the same standards of construction as EAW's concert sound reproducers and, as such, provides a level of durability and reliability virtually unmatched in the pro sound industry. All exterior surfaces are constructed of imported multi-ply cross-grain-laminated birch hardwood. Standard features include perforated steel grills, recessed hand holds and catalyzed polyurethane coating finish.

Eastern Acoustic Works

Forsythe Series FR102



18
Inches

12 Inches

Architect's and Engineer's Specifications

Model FR102

The loudspeaker system shall be of the two-way type, incorporating one 10-inch low frequency loudspeaker in a vented direct radiator enclosure and a combination compression driver horn high frequency tweeter. The system shall meet the following performance criteria: Frequency range: 55 to 19k Hz; Pressure sensitivity: 98 dB SPL; Power handling 250 watts in accordance with AES standard specification; Horizontal coverage: 130 degrees between -6 dB points. The high frequency driver shall have ferro-fluid in the voice coil gap. The crossover shall be a third order design incorporating asymmetrical slopes providing driver equalization.

The cabinet shall be constructed of void-free cross-grain-laminated birch plywood and coated with catalyzed polyurethane finish. The low frequency driver shall be protected with a perforated steel grill coated in vinyl.

The loudspeaker system shall be the Eastern Acoustic Works Forsythe Series model FR102.

Specifications

MODEL:	FR102
Frequency Response	
+ 3 dB:	80 to 16,000 Hz
- 10 dB:	55 to 19,000 Hz
Axial Sensitivity:	98 dB SPL
Half Space Efficiency:	2.3 %
Power Handling	
Sine Wave:	100 watts
AES Standard:	250 watts
Nominal Impedance:	8 ohms
Coverage Angles	
Horizontal:	130 degrees
Vertical:	50 degrees
Maximum SPL:	121 dB SPL
Maximum Acoustic Output:	5.75 acoustic watts
Transducer Complement	
Low Frequency:	RCF PRO L10/560 250mm
High Frequency:	RCF N252F Horn/Driver
Crossover Data:	
Type:	Third Order Equalized
Slope:	18 dB per octave
Frequency:	3,500 Hz
Enclosure Type:	Vented
Enclosure Volume:	29 liters (1.0 ft ³)
Construction:	Cross-Grain- Laminated Birch
Finish:	Catalyzed Polyurethane
Dimensions:	18" H x 12"W x 8" D
Weight:	17.3 Kg (38 lbs)

Eastern Acoustic Works