



TECHNICAL SPECIFICATIONS FR153e

DESCRIPTION

A 3-way full range system (passive LF/MF/HF crossover) in a vented rectangular enclosure. Includes a 15-in woofer, a 7-in midrange cone and a 1-in exit compression driver on a Wave Guide Plate™.

APPLICATIONS

The FR153e provides high output full range response in a versatile, compact system. True 3-way design dramatically improves the quality of vocal reproduction. Effective for both permanent and portable applications, it comes with handles, a pole mount cup and 3/8"-16 threaded mounting/suspension points. Six Year Warranty.

Application include:

- Band PA
- Ballroom Events
- Corporate Events
- Small HOW's
- Dance Clubs
- Live Music Clubs

DESCRIPTIVE DATA

Part Number	999008
Product Group	I
LF Subsystem & Loading	1x 15-in, Vented
MF Subsystem & Loading	1x 7-in Cone in Sealed Subenclosure
HF Subsystem & Loading	1x 1-in Exit Compression Driver on Wave Guide Plate™
System Configuration	3-way, Full Range
Powering Configuration(s)	Passive LF/MF/HF Crossover
Controls (switches, knobs)	Midrange Presence Control
Recommended High-Pass Frequency (24 dB/Octave)	30Hz
Cabinet Type (shape)	Rectangular
Enclosure Materials	Baltic Birch Plywood
Finish	Black catalyzed polyurethane
Connectors	2x Neutrik NL4 Speakon
Suspension Hardware	(3) 3/8"-16 threaded mounting/suspension points (2 top, 1 back) plus stand mount cup
Grill	Vinyl coated perforated steel



NOMINAL DATA

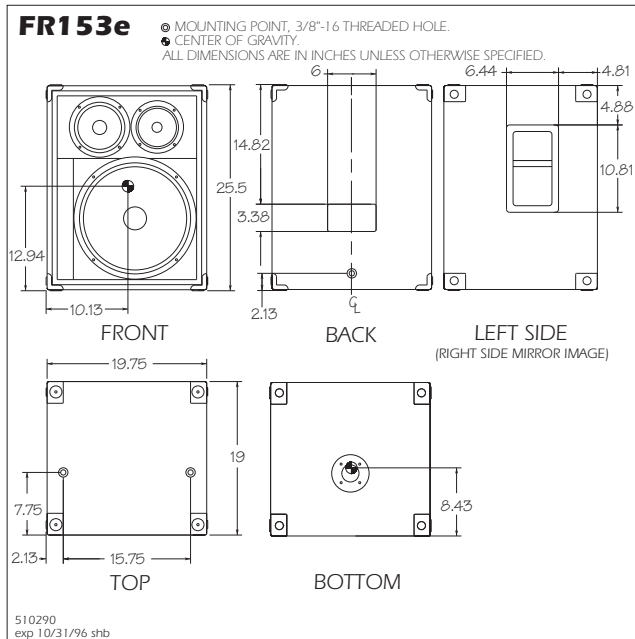
Frequency Response (Hz)	±3 db	48Hz to 18kHz	
	-10 db	35Hz	
Axial Sensitivity (dB SPL/1 Watt/1m)	98		
	Impedance (Ohms)		
8			
Power Handling (Watts)	Power Handling (Watts)		
	AES Standard	375	
Calculated Maximum Output (dB SPL, @ 1m)	Calculated Maximum Output (dB SPL, @ 1m)		
	Peak	129.7	
	Long Term	123.7	
Nominal Coverage Angle / -6 dB points (degrees)	Nominal Coverage Angle / -6 dB points (degrees)		
	Conical	100	
Dimensions	Dimensions		
		inches	millimeters
	Height	25.50	648
	Width	19.75	502
Depth	19.00	483	
Weights	Weights		
		pounds	kilograms
	Net Weight	88	40.0
Shipping Weight	101	46.0	





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DIMENSIONAL DRAWING



SERVICE ITEMS

LF: Complete Cone Driver	EAW Part No. 804071
MF: Complete Cone Driver	EAW Part No. 804004
HF: Complete Compression Driver/Tweeter	EAW Part No. 803002
Filter/Crossover Network: Complete Assembly	EAW Part No. 225135

ARCHITECTURAL SPECIFICATIONS

The three-way full range loudspeaker systems shall incorporate a 15-in LF transducer, a 7-in cone MF transducer and 1-in exit compression driver HF transducer.

The LF driver shall be mounted in a vented enclosure tuned for optimum low frequency response. The MF driver shall be mounted in a sealed subenclosure. The HF driver shall be loaded on an axis-symmetrical wave guide plate with a nominal coverage pattern of 100° (conical). An internal passive filter network shall provide fourth order acoustical crossover and system equalization.

System frequency response shall vary no more than ± 3 dB from 48 Hz to 18 kHz measured on axis. The loudspeaker shall produce a Sound Pressure Level (SPL) of 98 dB SPL on axis at 1 meter with a power input of 1 Watt, and shall be capable of producing a peak output of 129.7 SPL on axis at 1 meter. The loudspeaker shall handle 375 Watts of amplifier power (AES Standard) and shall have a nominal impedance of 8 Ohms.

The loudspeaker enclosure shall be rectangular in shape. It shall be constructed of 15mm thickness void-free cross-grain-laminated Baltic birch plywood and shall employ extensive internal bracing. It shall be finished in black catalyzed polyurethane. Input connectors shall be dual Neutrik NL4 Speakon. Three 3/8"-16 threaded mounting/suspension points (2 top, 1 back) shall be provided as well as a recessed cup to accept a standmount pole. The front of the loudspeaker shall be covered with a vinyl coated perforated steel grill.

The three-way full range loudspeaker shall be the EAW model FR153e.