Specification Sheet FRi-152/64

F R i

SPEAKER

SYSTEMS

General Product Description

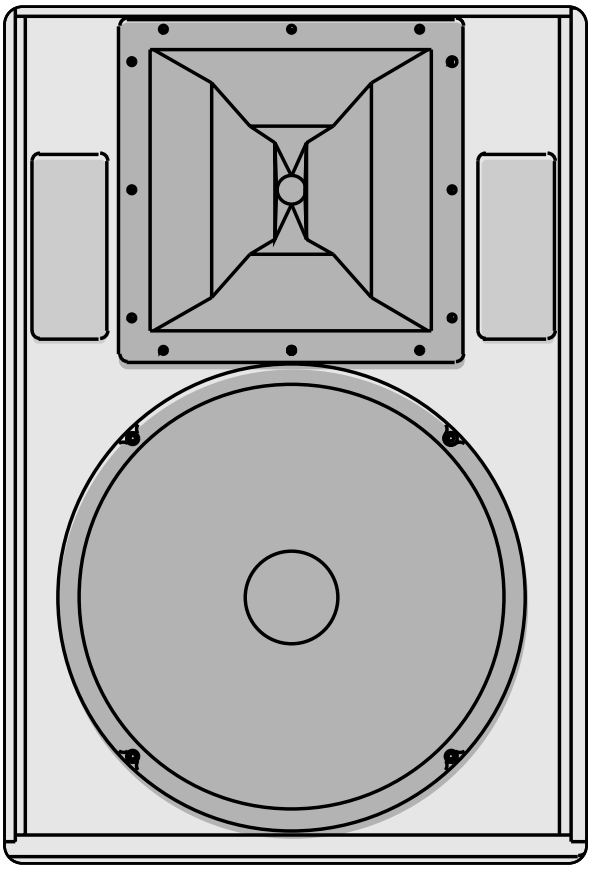
Two-way full-range passive system, with biamp option, in a vented trapezoidal enclosure. Includes a 15-inch woofer and a 2″/50mm voice coil compression driver on a user-rotatable 60° × 40° constant-directivity horn. Cloth coverable steel grille.

Applications

The FRi-152/64 uses EV's exclusive RMD™ (Ring-Mode Decoupling) to provide outstanding vocal clarity and intelligibility in a cost-effective two-way system. The versatile, compact enclosure features a comprehensive system of 3/8-16 threaded mounting/suspension points, to allow horizontal or vertical mounting. Simply rotate the horn to select the desired coverage pattern. The FRi series is 28-inches high, creating a uniform look in arrays. Five year warranty.

Applications include:

Stadiums	Arenas
Houses of Worship	Discos
Live music clubs	Gymnasiums



Speaker Description

Part Number	FRi-152/64-BLK
LF Section & Components	DL15BFH 15-inch woofer in vented enclosure
HF Section & Components	DH2t compression driver with 2-inch titanium diaphragm on a constant-directivity horn
System Configuration	Two-way, Full range
Powering Configuration	Passive or Biamp
Recommended High-Pass Frequency (12 dB/octave min.)	40 Hz
Cabinet Type (shape)	Trapezoidal
Enclosure Materials	13-ply Birch plywood
Finish	Black Acrylic
Connectors	Two barrier strips
Suspension Hardware	(12) 3/8-16 threaded mounting/suspension points (3 each on top and bottom, 2 per side, 2 on rear)
Grille	Powder-coated perforated 16GA steel
Options	WH - white acrylic finish UN - unfinished

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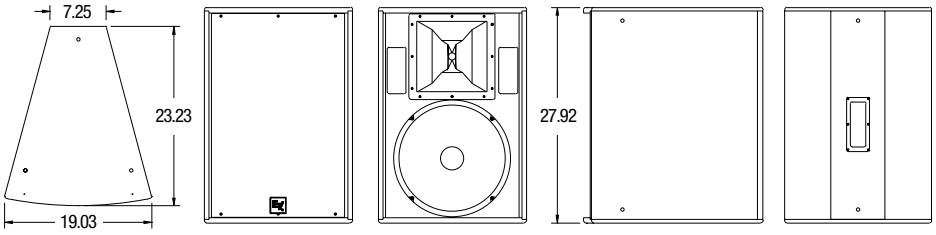
Speaker Characteristics

Frequency Response (passive)			
±3 dB		70 Hz-15 kHz	
-10 dB		42 Hz-16 kHz	
Axial Sensitivity			
(SPL/1 Watt/1m) Passive		98 dB	
(SPL/1 Watt/1m) Biamp (LF/HF)		98/112 dB	
Impedance			
Passive		8 ohms	
Biamp (LH/HF)		8/8 ohms	
Power Handling			
Passive	Long-term (EIA)	350 watts	
	Short-term peak	1,400 watts	
Biamp-LF	Long-term (EIA)	350 watts	
	Short-term peak	1,400 watts	
Biamp-HF	Long-term (AES)	60 watts	
	Short-term peak	240 watts	
Calculated Maximum Output SPL			
Peak		129 dB	
Long Term		123 dB	
Nominal Coverage Angle			
Horizontal	(-6 dB)	60°	
Vertical	(-6 dB)	40°	
Dimensions			
Height		27.92 in.	(711 mm)
Width at front		19.03 in.	(483 mm)
Width at back		7.25 in.	(185 mm)
Depth		23.23 in.	(589 mm)
Trapezoid Angle		15° per side	
Weights			
Net Weight		70 lb.	(31.8 kg)
Shipping Weight		82 lb.	(37.3 kg)



Top View | Front View *(with grille)* | Front View *(with grille removed)* | Side View *(with grille removed)* | Back View

Architectural Specifications

The two-way full range loudspeaker system shall incorporate a 15″ LF transducer and a 2″/50mm voice coil HF compression driver.

The LF driver shall be mounted in a vented enclosure tuned for optimum low-frequency response. The HF driver shall be loaded on constant-directivity horn with a nominal coverage pattern of 60° (h) × 40° (v). An internal passive filter network shall provide acoustical crossover and system equalization. Input panel shall be easily changeable from passive to biamp operation via internal connector.

System frequency response shall vary no more than ±3 dB from 70 Hz to 15 kHz measured on axis. The loudspeaker shall produce a sound pressure level (SPL) of 98 dB on axis at 1 meter with a power input of 1 watt, and shall be capable of producing a full-power peak output of 129 dB on axis at 1 meter. It shall handle 350 watts of amplifier power long-term (EIA Standard), and shall have a nominal impedance of 8 ohms.

The loudspeaker enclosure shall be trapezoidal in shape. It shall be constructed of 13 ply void-free cross-grain-laminated Birch plywood and shall employ extensive internal bracing. It shall be finished in black acrylic. Input connectors shall be two at 2 terminal barrier strips. A total of twelve 3/8-16 threaded mounting/suspension points shall be provided, (three each on top and bottom, two per side, two on rear). The front of the loudspeaker shall be cloth coverable with a powder-coated perforated 16 GA steel grille.

The two-way full range loudspeaker shall be the Electro-Voice model FRi-152/64.

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Please refer to User Guide Sheet for warranty information.
Specifications subject to change without notice.