Specification Sheet FRi-122/64

F R i

SPEAKER

SYSTEMS

General Product Description

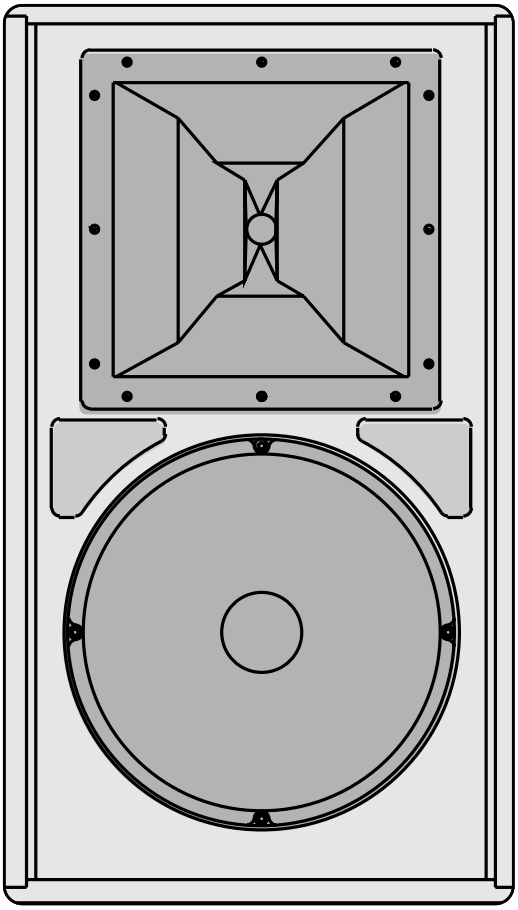
Two-way full-range passive system, with biamp option in a vented trapezoidal enclosure. Includes a 12-inch woofer and a 2″/50mm voice coil compression driver on a user-rotatable 60° × 40° constant-directivity horn. Cloth coverable steel grille.

Applications

The FRi-122/64 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



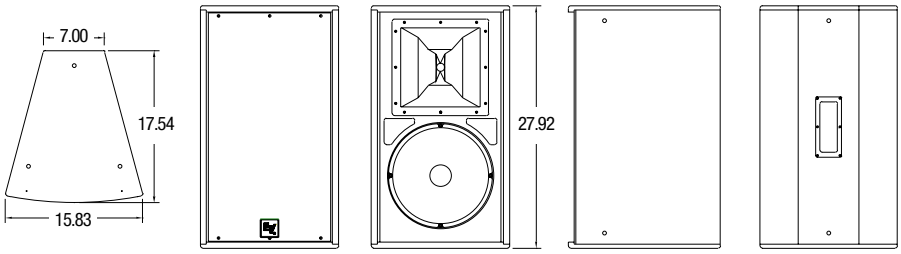
Speaker Description

Part Number	FRi-122/64-BLK
LF Section & Components	DL12BFH 12-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.)	50 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

Specification Sheet FRi-122/64

Speaker Characteristics

Frequency Response (passive)			
±3 dB		62 Hz-15 kHz	
-10 dB		50 Hz-16 kHz	
Axial Sensitivity			
(SPL/1 watt/1m) Passive		97 dB	
(SPL/1 watt/1m) Biamp (LF/HF)		97/112 dB	
Impedance			
Passive		8 ohms	
Biamp (LH/HF)		8/8 ohms	
Power Handling			
Passive	Long-term (EIA)	300 watts	
	Short-term peak	1,200 watts	
Biamp-LF	Long-term (EIA)	300 watts	
	Short-term peak	1,200 watts	
Biamp-HF	Long-term (AES)	60 watts	
	Short-term peak	240 watts	
Calculated Maximum Output SPL			
Peak		128 dB	
Long Term		122 dB	
Nominal Coverage Angle			
Horizontal	(-6 dB)	60°	
Vertical	(-6 dB)	40°	
Dimensions			
Height		27.92 in.	(711 mm)
Width at front		15.83 in.	(401 mm)
Width at back		7.00 in.	(178 mm)
Depth		17.54 in.	(445 mm)
Trapezoid Angle		15° per side	
Weights			
Net Weight		60 lb.	(27.3 kg)
Shipping Weight		72 lb.	(32.7 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 12″ 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 easily change from passive to biamp operation via internal connector.

System frequency response shall vary no more than ±3 dB from 62 Hz to 15 kHz measured on axis. The loudspeaker shall produce a sound pressure level (SPL) of 97 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 128 dB on axis at 1 meter. It shall handle 300 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-122/64.

EV EVERYWHERE℠

USA 12000 Portland Ave South, Burnsville, MN 55337, Phone: 952-884-4051, FAX: 952-884-0043
Canada 705 Progress Avenue, Unit 46, Scarborough, Ontario, Canada, M1H2X1, Phone: 416-431-4975, 800-881-1685, FAX: 416-431-4588
Switzerland Keltenstrasse 11, CH-2563 IPSACH, Switzerland, Phone: 41/32-331-6833, FAX: 41/32-331-1221
Germany Hirschberger Ring 45, D94315, Straubing, Germany, Phone: 49 9421-706 392, Fax: 49 9421-706 287
France Parc de Courcerin, Allee Lech Walesa, Lognes, 77185 Marne La Vallee, France, Phone: 33/1-6480-0090, FAX: 33/1-6480-4538
Australia Unit 23, Block C, Slough Business Park, Slough Avenue, Silverwater, N.S.W. 2128, Australia, Phone: 61/2-9648-3455, FAX: 61/2-9648-5585
Hong Kong Unit E & F, 21/F, Luk Hop Industrial Bldg., 8 Luk Hop St., San PO Kong, Kowloon, Hong Kong, Phone: 852-2351-3628, FAX: 852-2351-3329
Japan 2-5-60 Izumi, Suginami-ku, Tokyo, Japan 168, Phone: 81-3-3325-7900, FAX: 81-3-3325-7789
Singapore 3015A Ubi Rd 1, 05-10, Kampong Ubi Industrial Estate, Singapore 408705, Phone: 65-746-8760, FAX: 65-746-1206
Mexico Av. Parque Chapultepec #66-201, Col. El. Parque Edo. Mex. 53390, Phone: (52) 5358-5434, FAX: (52) 5358-5588
UK 4, The Willows Centre, Willow Lane, Mitcham, Surrey CR4 4NX, UK, Phone: 44 181 640 9600, FAX: 44 181 646 7084
Africa, Mid-East 12000 Portland Ave South, Burnsville, MN 55337, Phone: 952-887-7424, FAX: 952-887-9212
Latin America 12000 Portland Ave South, Burnsville, MN 55337, Phone: 952-887-7491, FAX: 952-887-9212

www.electrovoice.com • Telex Communications, Inc. • www.telex.com

©Telex Communications, Inc. 6/2000 Part Number 535883-4.00

U.S.A. and Canada only.
For customer orders, contact the Customer Service department at 800/392-3497 Fax: 800/955-6831
For warranty repair or service information, contact the Service Repair department at 800/685-2606
For technical assistance, contact Technical Support at 800/392-3497
Please refer to User Guide Sheet for warranty information.
Specifications subject to change without notice.