

## FRI-2082/FRI-28LPM

Dual 8" Two-Way  
Full-Range Speaker  
System



### Key Features:

- 200W Continuous Power
- Dual 8-inch LF Transducers
- Outstanding Vocal Clarity and Intelligibility
- Low-Profile Design Allows for Flexible Placement
- Secure Reinforced Cabinet Construction with Mounting Hardware included
- Paintable Enclosure available in Black or White EVCoat™ Finish
- Low Profile Monitor version available (FRI-28LPM)



### General Description:

The Electro-Voice® FRI-2082 is a two-way full-range passive system in a unique slant-sided enclosure, designed to complement the FRI line of loudspeakers. It is particularly useful in stadiums, arenas, houses of worship, dance clubs, live music venues, gymnasiums, etc. The FRI-2082 includes dual 8-inch woofers, a 1" (25 mm) voice coil compression driver on a 100° x 100° constant-directivity horn, and a cloth coverable steel grille.

The FRI-2082 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 low profile cabinet design with integral suspension points and a U-bracket (included with FRI-2082) to allow horizontal or vertical mounting. The 100° x 100° horn pattern allows broad coverage for near field applications.

The FRI-2082 is available in black or white, and can easily be painted to match the decor. All mounting hardware is included for the FRI-2082.

### Technical Specifications:

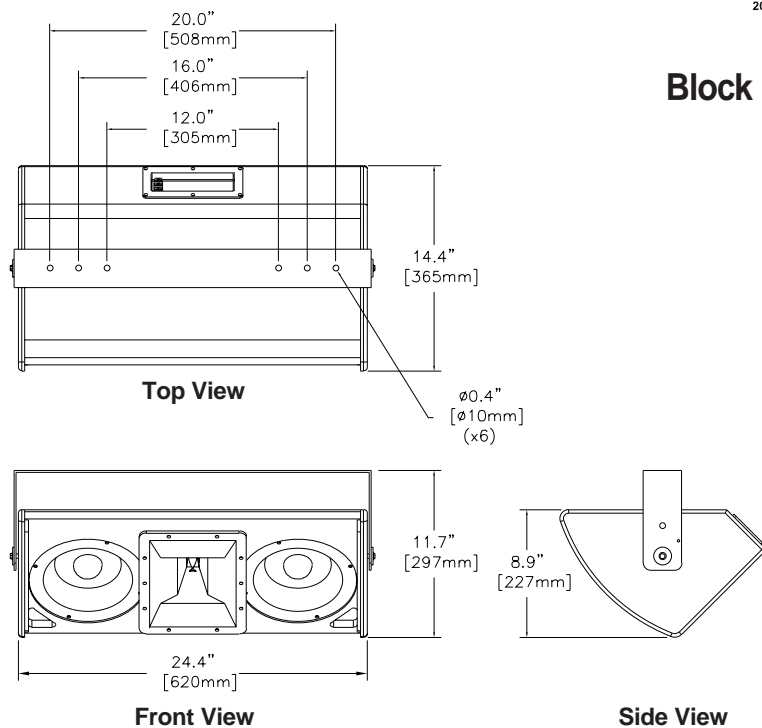
|                                 |                          |
|---------------------------------|--------------------------|
| Freq. Response (-3 dB):         | 70 Hz - 20 kHz           |
| Freq. Response (-10 dB):        | 45 Hz - 20 kHz           |
| Max Calculated SPL:             | 116 dB Cont./122 dB Peak |
| Axial Sensitivity (SPL, 1W/1m): | 93 dB                    |
| Power Handling:                 | 200W Cont./800W Peak     |

|  |  |
|--|--|
| Impedance:   | 8 ohms   |
| Nominal Coverage Angle:                              | 100° x 100° (-6 dB)  |
| LF Transducers:                                      | Dual 8-inch Woofers in Vented Enclosure  |
| HF Transducer:                                       | Compression Driver with 1-inch Titanium Diaphragm on a Constant-Directivity Horn |
| Recommended High-Pass Frequency (12 dB/octave min.): | 50 Hz  |
| Cabinet Type:  | Low Profile Slant Design   |
| Enclosure Material:                                  | 13-ply Plywood   |
| Finish:  | Black or White EVCoat™   |
| Connectors:  | (1) Barrier Strip  |
| Suspension Hardware:                                 | (2) 3/8-16 threaded mounting/suspension points, 1 per side (FRI-2082)            |
| Grille:  | Powder-Coated Perforated 18GA Steel  |
| Included Accessories:                                | Mounting Bracket and Hardware (FRI-2082)<br>Rubber Feet (FRI-28LPM)              |
| Dimensions (H x W x D):                              | 8.9" x 24.4" x 14.4"<br>(227mm x 620mm x 365mm)                                  |
| Net Weight:  | 40.0 lbs (18.2 kg)   |
| Shipping Weight:                                     | 52.0 lbs (23.6 kg)   |

## Architects' & Engineers' Specifications:

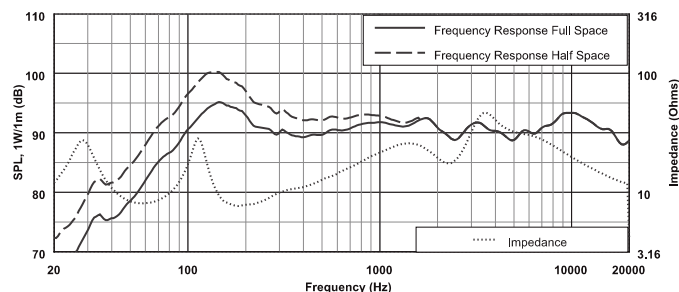
The two-way full range loudspeaker system shall incorporate dual 8-inch LF transducers and a 1"/25 mm voice coil HF compression driver. The LF driver shall be mounted in a vented enclosure tuned for optimum low-frequency response. The HF driver shall be loaded on constant-directivity horn with a nominal coverage pattern of 100° (h) x 100° (v). An internal passive filter network shall provide acoustical crossover and system equalization. System frequency response shall be 45 Hz to 20 kHz measured on axis. The loudspeaker shall produce a sound pressure level (SPL) of 93 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 122 dB on axis at 1 meter. It shall handle 200 watts of amplifier power long-term (EIA Standard), and shall have a nominal impedance of 8 ohms. The loudspeaker enclosure shall be constructed of 13 ply void-free cross-grain-laminated plywood and shall employ extensive internal bracing. Standard finish shall be Black or White EVCoat™. Input connection shall be a barrier strip. A total of two 3/8-16 threaded mounting/suspension points shall be provided, (with a U-bracket, one per side). The front of the loudspeaker shall be cloth coverable with a powder-coated perforated 18 GA steel grille. The two-way full range loudspeaker shall be the Electro-Voice® model FRi-2082.

## Dimension Drawings:

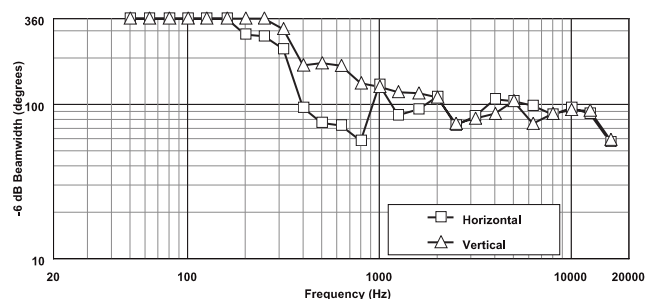


**Note:** FRi-2082 Loudspeaker shown. All dimensions for FRi-28LPM equal except where U-bracket is used. FRi-28LPM excludes U-bracket and mounting hardware.

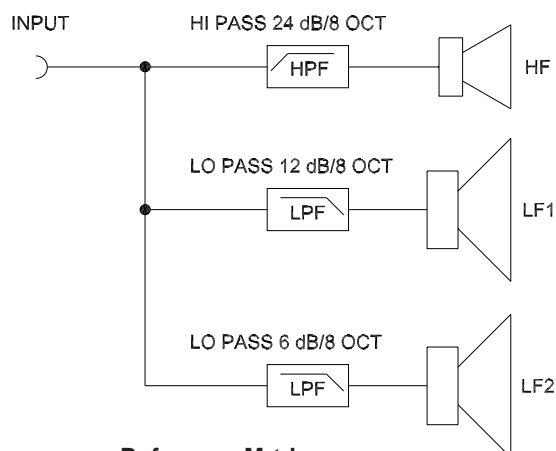
## Frequency Response:



## Beamwidth:



## Block Diagram:



### Performance Match:

- CPS-1 - Power Amplifier
- Q66 - Power Amplifier
- P1202 - Power Amplifier
- M-LMH - Control Module

### FRi-2082 Part Numbers

- 300970 - FRi-2082 (White)
- 300971 - FRi-2082 (Unfinished)
- 300972 - FRi-2082 (Black)

### FRi-28LPM Part Numbers

- 301038-001 - FRi-28LPM (Black)
- 301038-002 - FRi-28LPM (White)



12000 Portland Avenue South, Burnsville, MN 55337  
 Phone: 952/884-4051, Fax: 952/884-0043

[www.electrovoice.com](http://www.electrovoice.com)

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Part Number 38109-978 Rev C

U.S.A. and Canada only. For customer orders, contact Customer Service at:

800/392-3497 Fax: 800/955-6831

Europe, Africa, and Middle East only. For customer orders, contact Customer Service at:

+ 49 9421-706 0 Fax: + 49 9421-706 265

Other International locations. For customer orders, contact Customer Service at:

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For warranty repair or service information, contact the Service Repair department at:

800/685-2606

For technical assistance, contact Technical Support at: 866/78AUDIO

Specifications subject to change without notice.