

**FRI+181S**  
**Vented 18-inch**  
**Subwoofer**  
**Speaker System**



### Key Features:

- Unequalized flat response to 42 Hz
- Usable bass output to 32 Hz
- 16 threaded suspension points
- Available in black, white and unfinished
- Arrays with FRI/FRI+ full-range systems
- High sensitivity, 100 dB below 100 Hz
- Paintable Enclosure



### General Description:

The FRI+181 is designed for applications where extended low frequency response is desired in an FRI/FRI+ installation. It is a trapezoidal enclosure identical in height, appearance and suspension to the FRI/FRI+ full-range systems. An 18" LF transducer is centrally mounted in a large optimally-vented enclosure for efficient deep-bass response that requires only minimal equalization. These professional fixed install speakers deliver a broad range of performance options including multiple rotatable horn patterns, matching sub-woofer, full-range systems with easily switchable passive or bi-amp operation, and EV's world renowned transducer technology for response that is smooth and linear. The FRI/FRI+ Series is an economical and flexible solution for the most demanding installations.

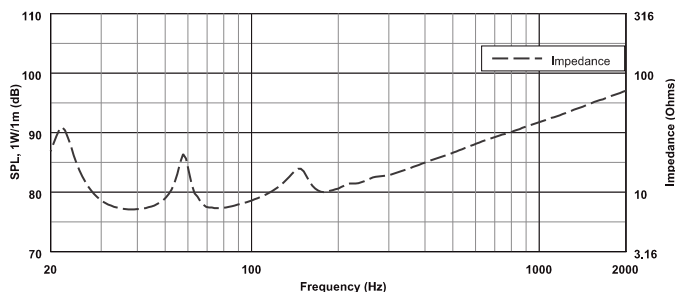
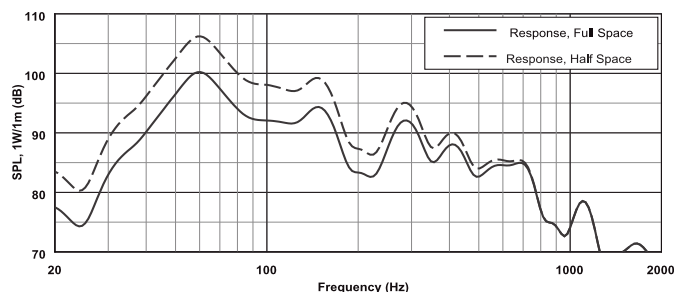
Same height full-range and sub-woofer systems allow the installer to construct arrays covering the most demanding acoustical environments while maintaining an aesthetic and uniform installation. The structural integrity of the FRI/FRI+ cabinets allows for vertical arrays up to 2 boxes in height. All FRI/FRI+ systems are available in weather resistant black Futura, white, and unfinished. Performance may be further enhanced by bi-amping or tri-amping with the Electro-Voice Dx-38 Digital Sound System Processor.

### Technical Specifications:

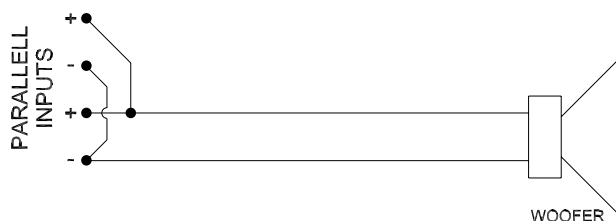
Freq. Response <sup>1</sup> (-3 dB):	37 Hz - 170 Hz
Freq. Range <sup>1</sup> (-10 dB):	28 Hz - 170 Hz
Max Calculated SPL <sup>1</sup> :	132 dB (Peak)
Horizontal Coverage:	Omnidirectional
Vertical Coverage:	Omnidirectional
Power Handling:	400W Continuous, 1600W Peak
LF Sensitivity <sup>1</sup> :	100 dB, 1W/1m
LF Transducer:	DL18mt 18" (457mm) Driver, 8 ohms
Enclosure Tuning Freq:	36Hz
Recommended Hi-Pass Frequency:	32 Hz, 12dB/oct min.
Recommended Crossover Frequency:	80 Hz
Connectors:	Barrier Strips
Enclosure Material:	13-ply Birch Plywood
Suspension:	16 x 3/8" Threaded Points
Grille:	16 GA Steel
Environmental Spec:	IEC 529 IP24
Dim (H x W x D):	31.0" x 28.3" x 26.0" (787 x 719 x 660 mm)
Net Weight (each):	100 lbs (45.5 kg)
Shipping Weight:	105 lbs (47.7 kg)

<sup>1</sup> Half Space measurement.

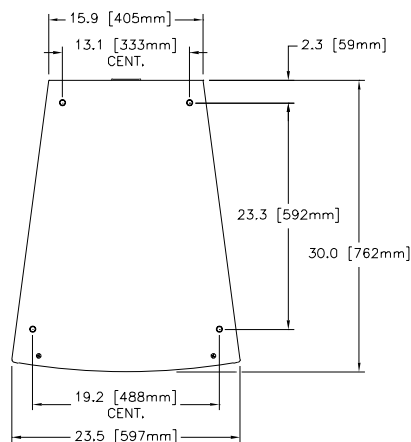
## Frequency Response (Full/Half Space) : Impedance:



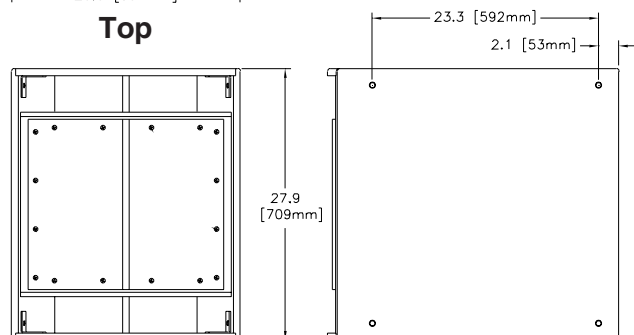
## Block Diagram:



## Dimension Drawings:



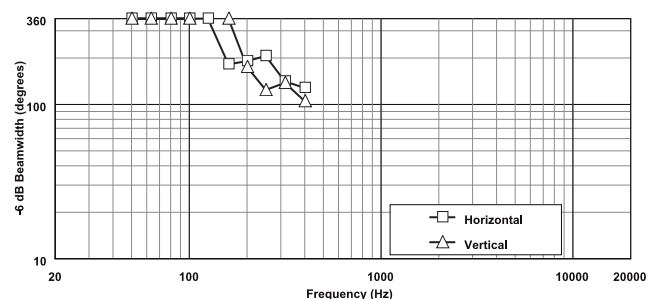
Top



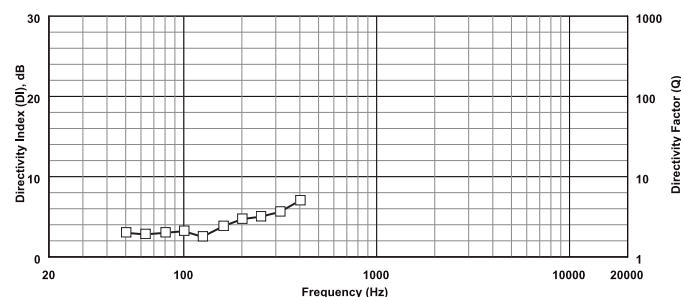
Front

Side

## Beamwidth:



## Directivity:



## Performance Match:

- |              | Unfinished                           | Black | White |
|--------------|--------------------------------------|-------|-------|
| • FRI+122/64 | - 301217-000, 301217-001, 301217-002 |       |       |
| • FRI+122/66 | - 301219-000, 301219-001, 301219-002 |       |       |
| • FRI+122/94 | - 301218-000, 301218-001, 301218-002 |       |       |
| • FRI+152/64 | - 301210-000, 301210-001, 301210-002 |       |       |
| • FRI+152/66 | - 301212-000, 301212-001, 301212-002 |       |       |
| • FRI+152/94 | - 301216-000, 301216-001, 301216-002 |       |       |
| • FRI-122/64 | - 1152-3362, 1152-3337, 1152-3359    |       |       |
| • FRI-122/85 | - 1152-3392, 1152-3384, 1152-3385    |       |       |
| • FRI-152/64 | - 1152-3363, 1152-3336, 1152-3360    |       |       |
| • FRI-152/85 | - 1152-3393, 1152-3386, 1152-3387    |       |       |

## FRI+181S Part Numbers:

- FRI+181S (Unfinished) - 1152-3364
- FRI+181S (Black) - 1152-3340
- FRI+181S (White) - 1152-3361



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 38110-164 Rev A

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:

+ 1 952 884-4051 Fax: + 1 952 736-4212

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.