

**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.

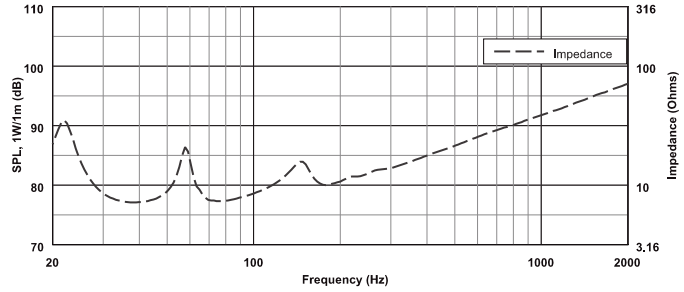
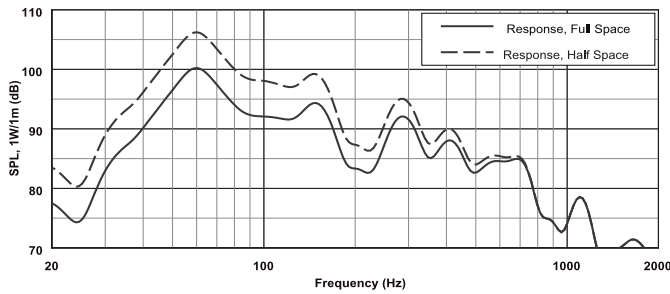
**Technical Specifications:**

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)

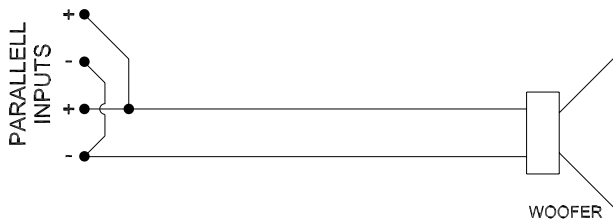
<sup>1</sup> Half Space measurement.

## Frequency Response (Full/Half Space) :

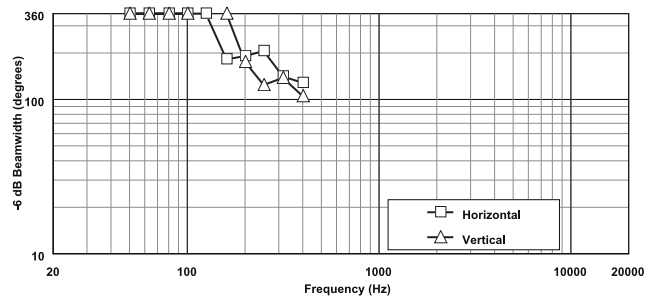
## Impedance:



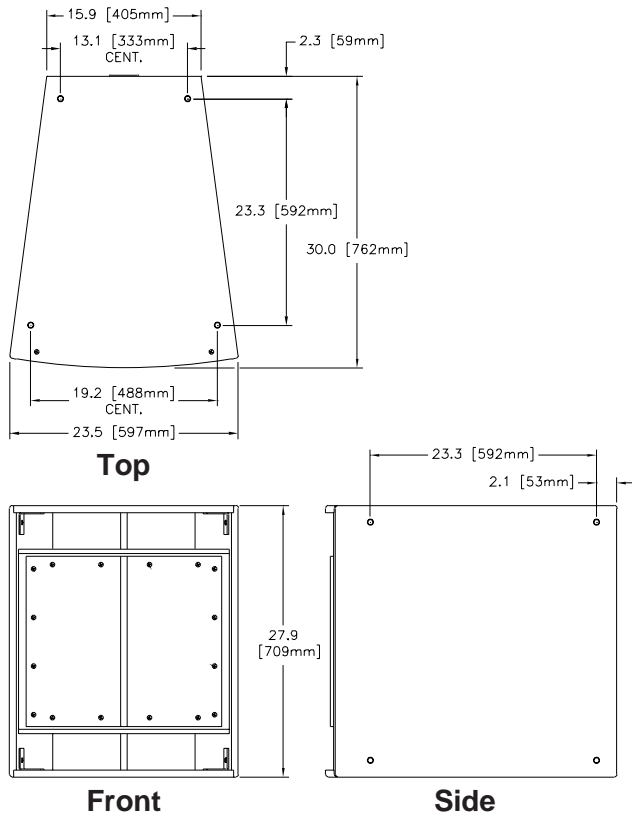
## Block Diagram:



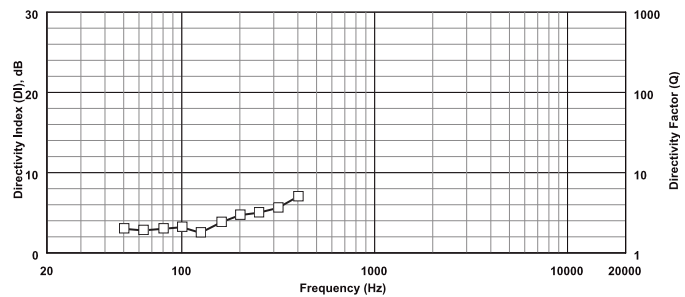
## Beamwidth:



## Dimension Drawings:



## 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



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www.electrovoice.com

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Specifications subject to change without notice.