

F1 Model 812 Passive

Flexible Array Loudspeaker



Key Features

- **FLEX array** – Bose®-exclusive flexible baffle can be configured into four unique shapes, allowing the best possible coverage pattern for the application to be selected
- **8-driver mid/high line array** – Eight vertically-mounted drivers, each mounted on a custom waveguide, help deliver wide consistent coverage
- **12-inch LF driver** – High-performance woofer provides strong low-frequency output
- **125 dB peak SPL** – For sound-reinforcement and foreground music
- **47 Hz - 20 kHz frequency range** – Reduces need for subwoofers for moderate full-range music levels
- **Rugged enclosure** – With six M8 threaded insert points that can be combined with a full suite of optional mounting accessories
- **Integrated pole mount** – For use with standard tripod speaker stands



Product Overview

The Bose® F1 Model 812 Passive Flexible Array Loudspeaker is a small-format full range sound reinforcement loudspeaker with a flexible array that lets you control its vertical coverage pattern. Simply push or pull the flexible array into position to create “Straight,” “C,” “J,” or “Reverse-J” coverage patterns, letting you tailor the loudspeaker’s vertical coverage to a variety of environments and mounting locations.

Engineered with a flexible array of eight high-output mid/high drivers, a high-powered 12-inch woofer, 47 Hz low frequency range and a lower crossover point, the loudspeaker delivers high SPL performance while maintaining vocal and midrange clarity. The F1 Model 812 Passive is intended for use in small to medium sized indoor installations and can also be used in portable applications.

Technical Specifications

System Performance		
System Type	Passive, two-way, requires Bose EQ	
Frequency Response (+/-3 dB) ¹	56 Hz - 16 kHz	
Frequency Range (-10 dB) ¹	47 Hz - 20 kHz	
Nominal Coverage Pattern (H x V)	100° H x 40° V (C-position)	
Crossover Type	700 Hz, passive crossover network	
	Bose extended-lifecycle test ³	AES transducer test ⁴
Power Handling, long-term continuous	300 W	600 W
Power Handling, peak	1200 W	2400 W
Sensitivity (SPL / 1 W @ 1 m)	95 dB SPL	95 dB SPL
Calculated Maximum SPL @ 1 m ²	119 dB SPL	122 dB SPL
Calculated Maximum SPL @ 1 m, peak ²	125 dB SPL	128 dB SPL
Transducers		
Driver Compliment	8 x 2.25" mid-high drivers; 1 x 12" LF driver	
Nominal Impedance	8 Ω	
Physical		
Grille	Powder-coated perforated steel grille	
Environmental	Indoor use only	
Connectors	2 x parallel-wired Neutrik® NL4 connectors, four-terminal barrier strip up to 12 gauge speaker wire	
Suspension/Mounting	6 x M8 threaded inserts, 1 x 1-3/8" (35 mm) pole mount	
Enclosure	High impact composite materials	
Dimensions (H x W x D)	665 mm x 334 mm x 375 mm (26.2" x 13.2" x 14.8")	
Net Weight	21.31 kg (47 lbs)	
Shipping Weight	24.18 kg (53 lbs)	
Product Code		
Black	374847-0110	

Footnotes:

- ¹ Frequency response and range measured on-axis with recommended EQ in an anechoic environment.
- ² Maximum SPL using recommended EQ, calculated from sensitivity and power handling specifications, exclusive of power compression
- ³ Bose extended-lifecycle test using pink noise filtered to meet IEC268-5, 6-dB crest factor, 500-hour duration.
- ⁴ AES standard 2-hour duration with IEC system noise.

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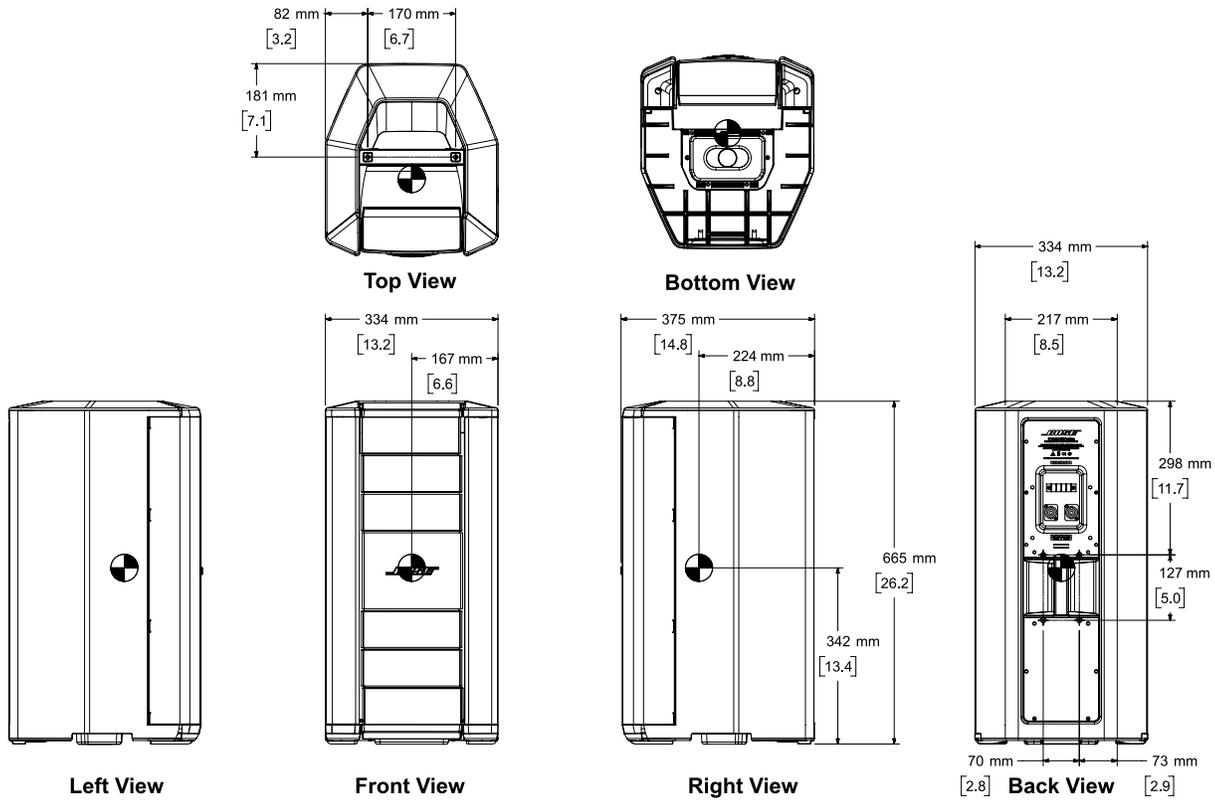


Panel Diagram

- Barrier strip** – Two parallel terminal strip pairs, for use with speaker wire up to 12 gauge
- Connectors** – 2 parallel-wired Neutrik® NL4



Mechanical Drawings



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