

Key Features:

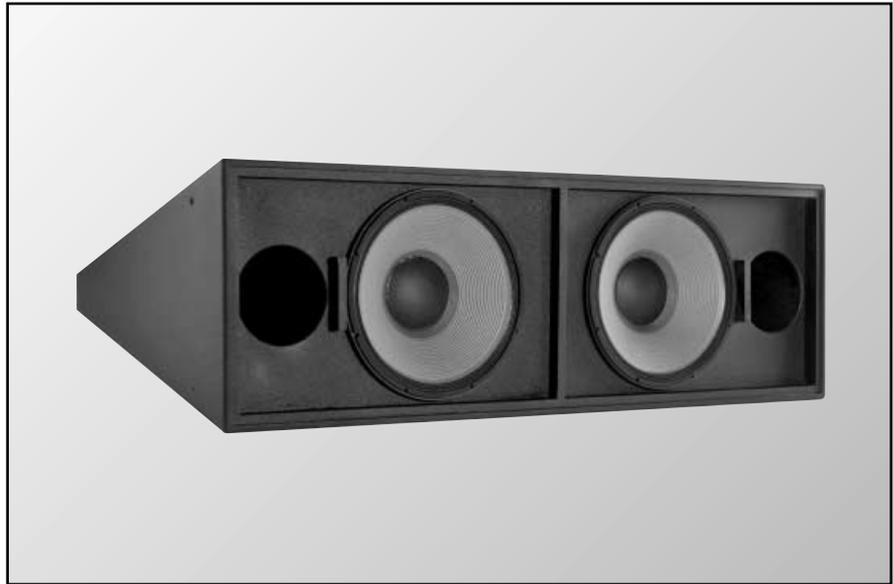
- ▶ FSA™ Forward Steered Array enclosure configuration for optimum acoustic performance in arrays of three or more modules
- ▶ Up to 12 dB of rear rejection at 60 Hz and 90° of beam steering capability in typical six module array
- ▶ Usable LF reinforcement to 26 Hz
- ▶ 2242H 18" SVG (Super Vented Gap™) Transducers
- ▶ Available suspension truss components make array building simple and cost effective

The PD128 Precision Directivity™ loudspeaker is a high power subwoofer module designed for use in arrays and in conjunction with other PD series systems to construct full-range systems.

A key advantage of FSA systems is the ability to project a single well-defined energy “lobe” into the audience area. The combination of even response in the seating area and high off-axis attenuation substantially increases the quality of low-frequency reproduction by maximizing the ratio of direct-to-reverberant sound.

FSA arrays are based on end-fired array principles. In an end-fired configuration, the length of the array determines its useful low-frequency directivity and the spacing of the elements determines the frequency at which beaming occurs. FSA technology improves upon the useful characteristics of the traditional end-fired system through a combination of physically expanding the line array into a three-dimensional array and controlling directivity via the use of digital signal processing. Multi-channel signal processing with amplitude and delay capability and multi-channel amplification is required for implementing FSA array steering. Contact JBL Professional for application details.

The PD128 employs the 2242H 18" transducer, one of JBL's family of Super Vented Gap woofers, to deliver excellent low frequency extension with minimal power compression and low distortion. Large vent area assures minimal port compression and low distortion at high levels.



Each transducer is mounted in a separate vented subchamber.

For outdoor applications, several levels of weather resistance are available. Please contact your sales representative or JBL for further information.

Preliminary Specifications:

System:

Frequency Range (-10 dB):	26 Hz - 2.3 kHz
Frequency Response (±3 dB):	34 Hz - 1.4 kHz
Recommended High Pass:	25 Hz, 12 dB/Octave
Recommended Low Pass:	100 Hz, 48 dB/Octave
Input Power Rating: (100 hour test duration)	1600 W AES; 6400 W Peak; parallel wiring (2 x 800 W AES; 3200 W Peak; independent wiring)
Sensitivity ¹ (30 Hz - 100 Hz):	99 dB SPL, 1W @ 1m (3.3 ft)
Calculated Max. SPL (30 Hz - 100 Hz):	131 dB Continuous, 137 dB Peak SPL @ 1m (3.3 ft)
Nominal Impedance:	4 Ohms (2 x 8 Ohms)
Signal Processing:	DSP with amplitude and delay capability required. Contact JBL for application details.

Transducers:

Low Frequency:	2 x 2242H, 460 mm (18 in) dia., 100 mm (4 in) edgewound ribbon voice coil
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Physical:

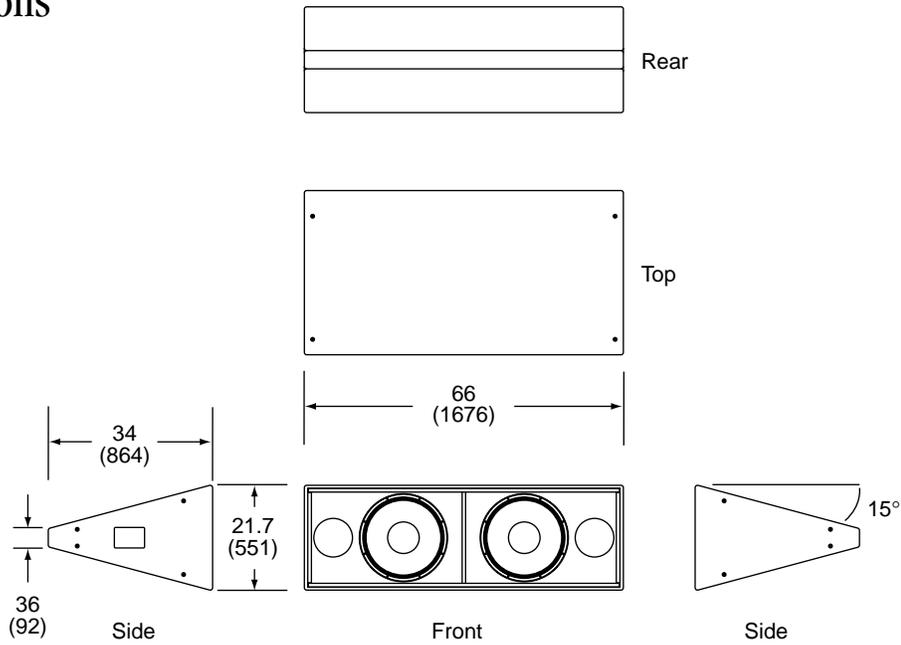
Enclosure:	Vertically trapezoidal, 30° included angle; 18 mm birch plywood, extensively braced
Suspension Attachment:	16 points; 4 each top, bottom & sides; accept M10 threaded hardware
Finish:	Black DuraFlex™ coating (white or custom color optional)
Grille:	Black powder coated zinc treated 16 gauge perforated steel grille with foam backing (white or custom color optional)
Input Connector:	2 x NL4 Neutrik Speakon connector; each driver wired independently; parallel or separate wiring user selectable via internal jumper, input located on side of enclosure
Dimensions (H x W x D):	21.7 in x 66 in x 34 in 551 mm x 1676 mm x 864 mm
Net Weight:	229 lb, 104.2 kg

¹ Sensitivity is based on a swept test signal with an input of 1 Watt at rated impedance, measured in half-space.

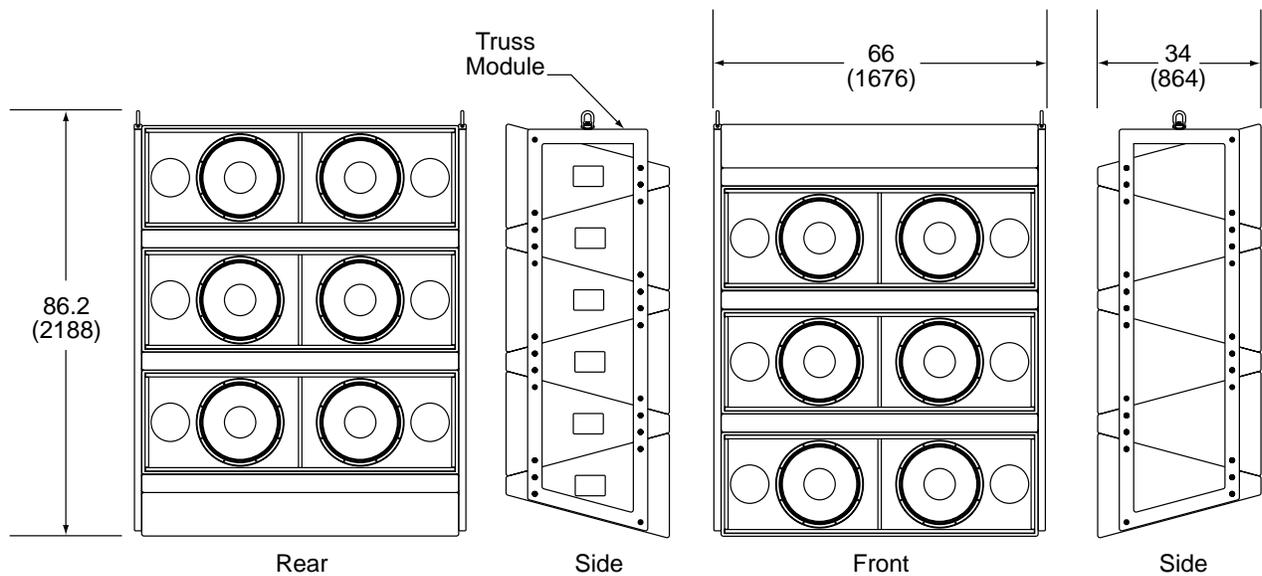
JBL continually engages in research related to product improvement. Some materials, production methods and design refinements are introduced into existing products without notice as a routine expression of that philosophy. For this reason, any current JBL product may differ in some respect from its published description, but will always equal or exceed the original design specifications unless otherwise stated.

▶ PD128 High Output Dual 18" Subwoofer Array Module

Dimensions



Typical Six-Box Array



Dimensions in inches (mm)



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