



Decibel readings at different distances

10' in front of cannons	100 decibels
10' behind the cannons	100 decibels
500' in front of cannons	65 decibels
500' to the side of cannons	70 decibels
500' behind cannons	60 decibels

Decibel reading prior to shot 500' in front of cannons	60 decibels
Decibel reading prior to shot 500' to the side of cannons	62 decibels
Decibel reading prior to shot 500' behind cannons	60 decibels

Any additional questions please call.

Scott Lewis

Lewis Agritainment

231-923-6480

Panaray® 802® Series IV

Installed Sound-Reinforcement Loudspeaker



Key Features

- Full-Range-Driver Array eliminates tweeters and crossovers for unsurpassed reliability in harsh environments and vocal clarity
- 8 x Bose 4.5" full-range drivers for legendary reliability
- 120° x 100° Articulated Array® design covers a very wide area, which can reduce the number of loudspeakers required
- 52 Hz - 15 kHz frequency range eliminates need for subwoofers for moderate full-range music levels
- 123 dB peak SPL for sound-reinforcement and foreground music
- Rugged, lightweight enclosure with threaded inserts for easy installations
- Weather-Rated design for indoor or outdoor installations
- Requires active equalization



TECHNICAL DATA SHEET

Product Overview

The Panaray® 802® Series IV installed sound-reinforcement loudspeaker features a full-range-driver array, eliminating the need for tweeters and crossovers, to provide unsurpassed reliability and vocal clarity. The Articulated Array® design, with wide 120° x 100° coverage, can reduce the number of required loudspeakers, while the 52 Hz low-frequency range can eliminate the need for subwoofers, providing a cost-effective solution for many indoor or outdoor installed sound-reinforcement applications.

Technical Specifications

System Performance		
Frequency Range (-10 dB) ¹	52 Hz - 15 kHz	
Recommended High-Pass Protection Filter	55 Hz with minimum 12 dB / octave filter	
Nominal Coverage Pattern	120° H x 100° V	
Loudspeaker EQ	Active EQ required for optimal performance	
Overload Protection	Power limiting circuit (non-fused; automatic reset)	
	Bose extended-lifecycle test ²	AES component test ³
Power Handling, long-term continuous	240 W	300 W
Power Handling, peak	960 W	1200 W
	Free field	Free field
Sensitivity (SPL / 1 W @ 1 m) ⁴	92 dB	92 dB
Calculated Maximum SPL @ 1 m ²	116 dB	117 dB
Calculated Maximum SPL @ 1 m, peak	122 dB	123 dB
Transducers		
Full-range drivers	8 x Bose 4.5" (114 mm) full-range cone transducers	
Nominal Impedance	8 ohms	
Physical		
Enclosure Material	Mineral-reinforced HDPE	
Grille	Powder-coated steel grille	
Environmental	Outdoor per IEC 529 IP55	
Connectors	2 x Neutrik® NL4 wired parallel	
Suspension / Mounting	8 x M8 threaded inserts (2 back, 2 bottom, 4 sides)	
Dimensions (H x W x D)	336 mm x 523 mm x 335 mm (13.3" x 20.5" x 13.2")	
Net Weight	13.6 kg (30 lbs)	
Shipping Weight	17.2 kg (38 lbs)	
Product Code		
Black	739058-0110	

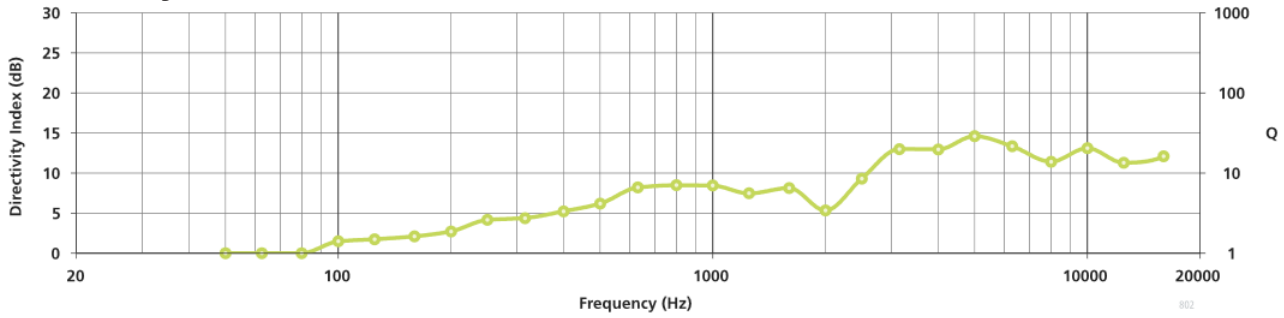
Panaray® 802® Series IV

Installed Sound-Reinforcement Loudspeaker

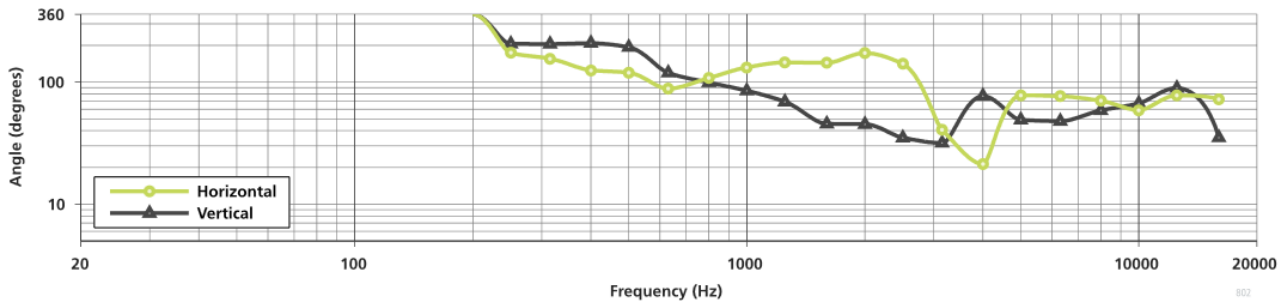


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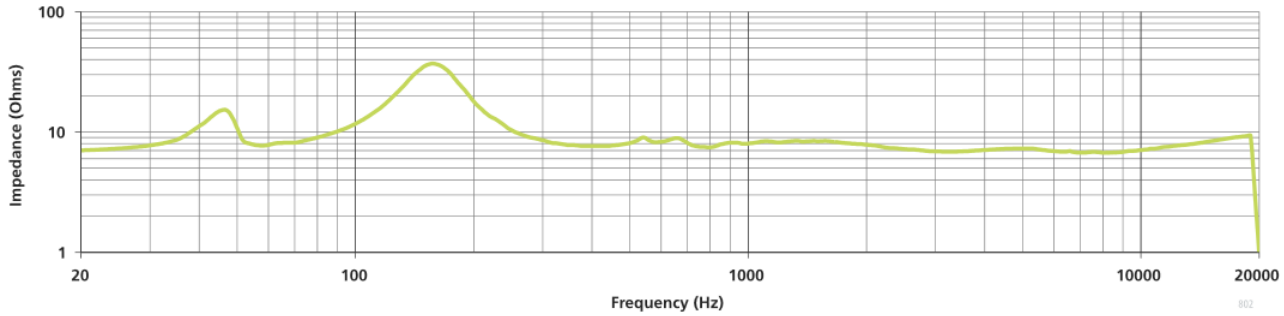
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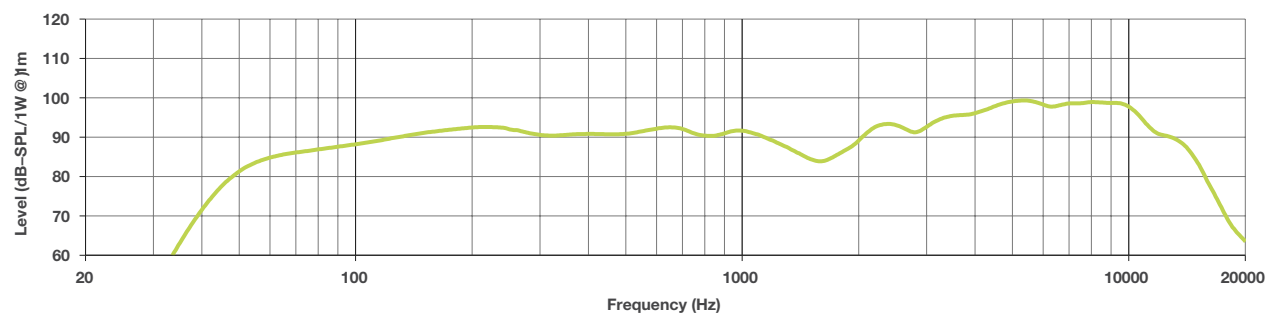
Beamwidth



Impedance



On-Axis Response



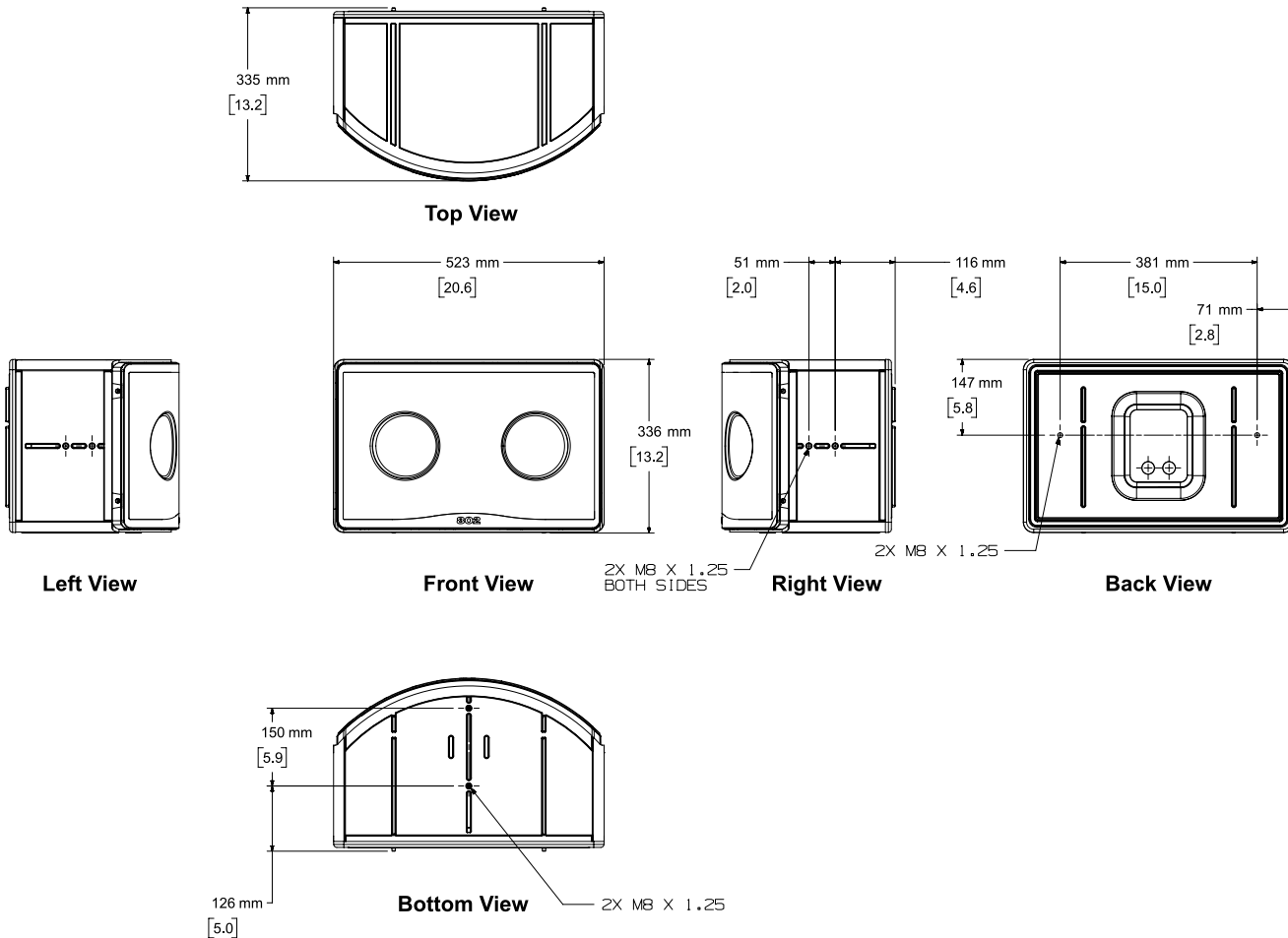
Panaray® 802® Series IV

Installed Sound-Reinforcement Loudspeaker



Mechanical Drawings

TECHNICAL DATA SHEET



Footnotes

1. Frequency range measured on-axis with recommended EQ in an anechoic environment.
2. Bose extended-lifecycle test: pink noise, IEC268-5 filtered, 6-dB crest factor, 100-hour duration, with recommended EQ.
3. AES component test: pink noise, IEC268-5 filtered, 6-dB crest factor, 2-hour duration, with recommended EQ.
4. Sensitivity measured in anechoic acoustic boundary conditions with recommended EQ, referenced to 1W/m.
5. Maximum SPL calculated from sensitivity and power handling specifications, exclusive of power compression.

For additional specifications and application information, please visit pro.bose.com. Specifications subject to change without notice.