AM7215/64 High Power 2-Way Loudspeaker with 1 x 15” LF & Rotatable Horn

Professional Series

Key Features:
- 60° x 40° Coverage
- 2265H Differential Drive® Low-Frequency Driver
- 2432H High-Frequency Compression Driver
- Large PT™ Progressive Transition waveguide for excellent pattern control and low distortion
- Rotatable waveguide for vertical or horizontal orientation
- Bi-Amp/Passive Switchable
- Available in Black, White and WRC/WRX finishes

Applications:
- Performing Arts Facilities
- Theatrical Sound Design
- Auditoriums
- Worship Facilities
- Live Clubs
- Dance Clubs
- Sports Facilities
- Themed Entertainment Venues

The AM7215/64 is a high power, lightweight, 2-way, full-range loudspeaker system comprised of the JBL Differential Drive dual voice coil and dual magnetic gap 2265H 380 mm (15 in) low-frequency driver and 2432H high-frequency 38 mm (1.5 in) exit, 75 mm (3 in) voice-coil compression driver. The large format Progressive Transition waveguide provides excellent 60° x 40° coverage. The waveguide is rotatable so the loudspeaker system can be used in either the vertical or horizontal orientation. High-slope passive networks minimize band overlap. Well-controlled off-axis response enhances arrayability.

The enclosure is constructed of multi-ply birch coated in JBL's rugged Duraflex™ finish and is heavily braced to maximize low-frequency performance. The trapezoid enclosure is fitted with fifteen M10 threaded attachment points and utilizes a 14-gauge steel grille internally lined with acoustically transparent foam to provide additional driver protection and give a very professional appearance.

The AM7215/64 is part of JBL's AE Series, a versatile family of loudspeakers intended for a wide variety of applications.

Specifications:

System:
- Frequency Range (±10 dB): 34 Hz – 20 kHz
- Frequency Response (±3 dB): 40 Hz – 18 kHz
- Coverage Pattern: 60° x 40°, rotatable waveguide
- Directivity Factor (Q): 18.1
- Directivity Index (DI): 12.6 dB
- Crossover Modes: Bi-amp/Passive switchable
- Passive Crossover Frequency: 1.8 kHz
- Transducer Power Rating (AES): LF: 1000 W (4000 W peak), 2 hrs
- Maximum SPL: LF: 128 dB-SPL cont avg (134 dB peak)
- Passive mode: 600 W (2400 W peak), 100 hrs
- High Frequency Driver: JBL 2432H, 38 mm (1.5 in) exit compression driver, 75 mm (3 in) voice coil
- Sensitivity (1W @ 1m): 115 dB SPL
- Waveguide: PT-H64HF-1

Physical:
- Enclosure: Trapezoidal with 15 degree side angles, 16 mm (5/8 in) exterior grade 11-ply Finnish birch plywood
- Grille: Powder coated 14 gauge perforated steel, with acoustically transparent black foam backing
- Input Connector: NL4 Neutrik Speakon® and CE-compliant covered barrier strip terminals. Barrier terminals accept up to 5.2 sq mm (10 AWG) wire or max width 9 mm (375 m) spade lugs. Speakon in parallel with barrier strip for loop-through
- Environmental Specifications: Mil-Std 810; IP-x3 per IEC529
- Dimensions (H x W x D in): 781 x 420 x 503 mm (30.8 x 16.5 x 19.8 in)
- Net Weight: 27.2 kg (60 lb)

Bi-amp mode, with recommended active tuning
*Resultant engineered acoustical response of crossover network and components
AES standard, one decade pink noise with 6 dB crest factor within device's operational band, free air. Standard AES 2 hr rating plus long-term 100 hr rating are specified for low-frequency transducers
IEC standard, full bandwidth pink noise with 6 dB crest factor, 100 hours
*Calculated based on power rating and sensitivity, exclusive of power compression
Anechoic sensitivity in free field, no additional sensitivity gain from boundary loading
JBL continually engages in research related to product improvement. Changes introduced into existing products without notice are an expression of that philosophy.
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**Beamwidth**

- [Graph showing beamwidth](image)

**Directivity Index, Q**

- [Graph showing directivity index](image)

**Frequency Response and Impedance**

- [Graph showing frequency response and impedance](image)

**Horizontal Off-Axis Frequency Response**

- [Graph showing horizontal off-axis frequency response](image)

**Vertical Up Off-Axis Frequency Response**

- [Graph showing vertical up off-axis frequency response](image)

**Vertical Down Off-Axis Frequency Response**

- [Graph showing vertical down off-axis frequency response](image)

**Dimensions**

Dimensions in mm (in)

- For more detailed dimensional information, refer to Application Data Sheet

- Measurements obtained in full passive crossover mode with no signal processing. Graphs are from unaltered measured data.
Horizontal 1/3 Octave Polars

![Graphs showing horizontal 1/3 octave polars for different frequencies ranging from 200 Hz to 16 kHz. Each graph represents a specific frequency with corresponding polar plots at various angles.](image-url)
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Vertical 1/3 Octave Polars

200 Hz
250 Hz
315 Hz
400 Hz
500 Hz
630 Hz
800 Hz
1 kHz
2 kHz
2.5 kHz
3.15 kHz
4 kHz
5 kHz
6.3 kHz
8 kHz
10 kHz
12.5 kHz
16 kHz

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