



AM7215/95

High Power 2-Way Loudspeaker
with 1 x 15" LF & Rotatable Horn

Professional Series

Key Features:

- ▶ 90° x 50° 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 AM7215/95 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 90° x 50° 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 AM7215/95 is part of JBL's AE Series, a versatile family of loudspeakers intended for a wide variety of applications.



Specifications:

System:

Frequency Range¹ (-10 dB): 34 Hz – 20 kHz

Frequency Response² (±3 dB): 40 Hz – 20 kHz

Coverage Pattern: 90° x 50°, rotatable waveguide

Directivity Factor (Q): 11.0

Directivity Index (DD): 10.4 dB

Crossover Modes: Bi-amp/Passive switchable

Passive Crossover Frequency³: 1.2 kHz

Transducer Power Rating (AES)⁴: LF: 1000 W (4000 W peak), 2 hrs
750 W (3000 W peak), 100 hrs
HF: 100 W (400 W peak), 2 hrs

Long-Term System Power Rating (IEC)⁵: Passive mode: 600 W (2400 W peak), 100 hrs

Maximum SPL⁶:

Bi-amp mode:
LF: 128 dB-SPL cont avg (134 dB peak)

HF: 133 dB-SPL cont avg (139 dB peak)

Passive mode:

124 dB-SPL cont avg (130 dB peak)

System Sensitivity⁷ (1W @ 1m): Passive mode: 96 dB SPL

Transducers:

Low Frequency Driver: 1 x JBL 2265H 380 mm (15 in.) Differential Drive® driver with 75 mm (3 in) dual voice coil

Nominal Impedance: 8 ohms

Sensitivity⁸ (1W @ 1m, within operational band): 98 dB SPL

High Frequency Driver: JBL 2432H, 38 mm (1.5 in) exit compression driver, 75 mm (3 in) voice coil

Nominal Impedance: 8 ohms

Sensitivity⁸ (1W @ 1m): 113 dB SPL

Waveguide: PT-H95HF-1

Physical:

Enclosure: Trapezoidal with 15 degree side angles, 16 mm (5/8 in) exterior grade 11-ply Finnish birch plywood

Suspension Attachment: 15 points (4 top, 4 bottom, 2 each side, 3 rear), M10 threaded hardware

Finish: Black DuraFlex™ finish. White available upon request.

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 in) 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 vertical cabinet orientation): 781 x 420 x 503 mm (30.8 x 16.5 x 19.8 in)

Net Weight: 27.2 kg (60 lb)

Optional Accessories: M10 x 35 mm forged shoulder eyebolts with washers

U-Bracket MTU-1

¹Bi-amp mode, with recommended active tuning.

²Resultant engineered acoustical response of crossover network and components.

³AES 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.

⁴IEC standard, full bandwidth pink noise with 6 dB crest factor, 100 hours.

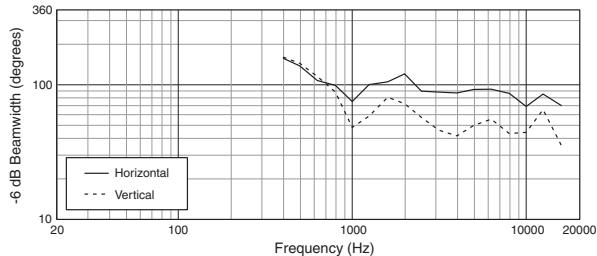
⁵Calculated based on power rating and sensitivity, exclusive of power compression.

⁶Anechoic sensitivity in free field, no additional sensitivity gain from boundary loading.

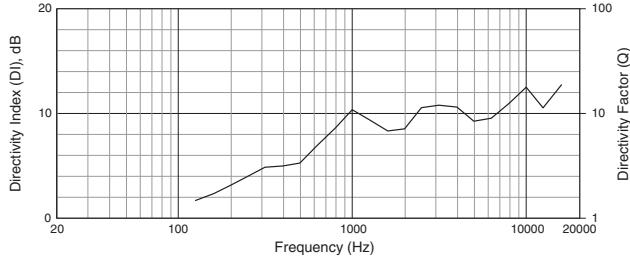
⁷JBL continually engages in research related to product improvement. Changes introduced into existing products without notice are an expression of that philosophy.

► AM7215/95 High Power 2-Way Loudspeaker with 1 x 15" LF and Rotatable Horn

Beamwidth



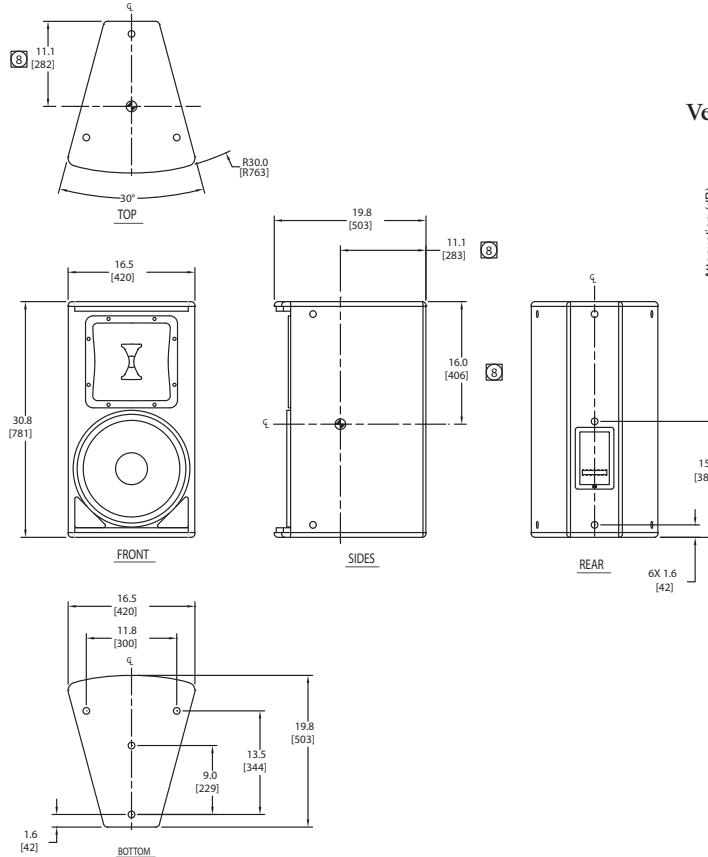
Directivity Index, Q



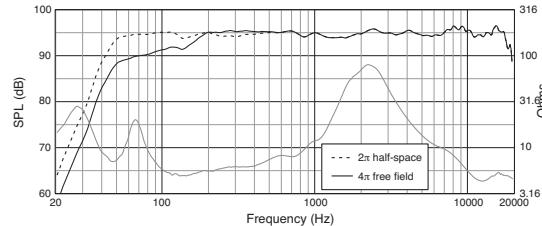
Dimensions

Dimensions in mm (in)

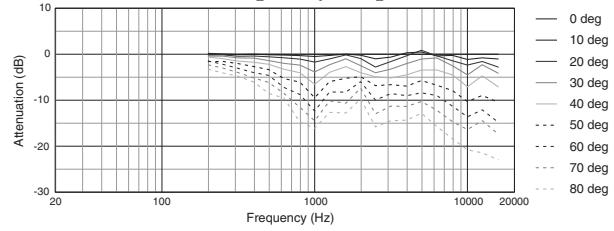
For more detailed dimensional information, refer to Application Data Sheet



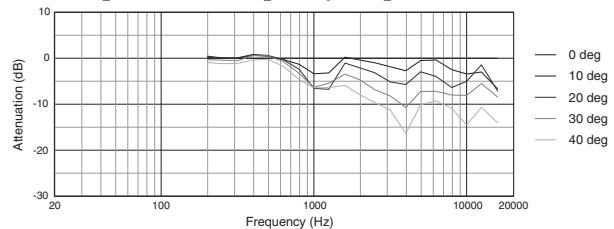
Frequency Response and Impedance



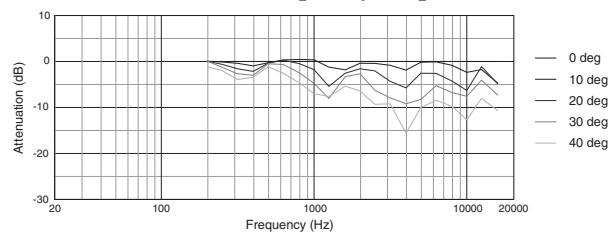
Horizontal Off-Axis Frequency Response



Vertical Up Off-Axis Frequency Response

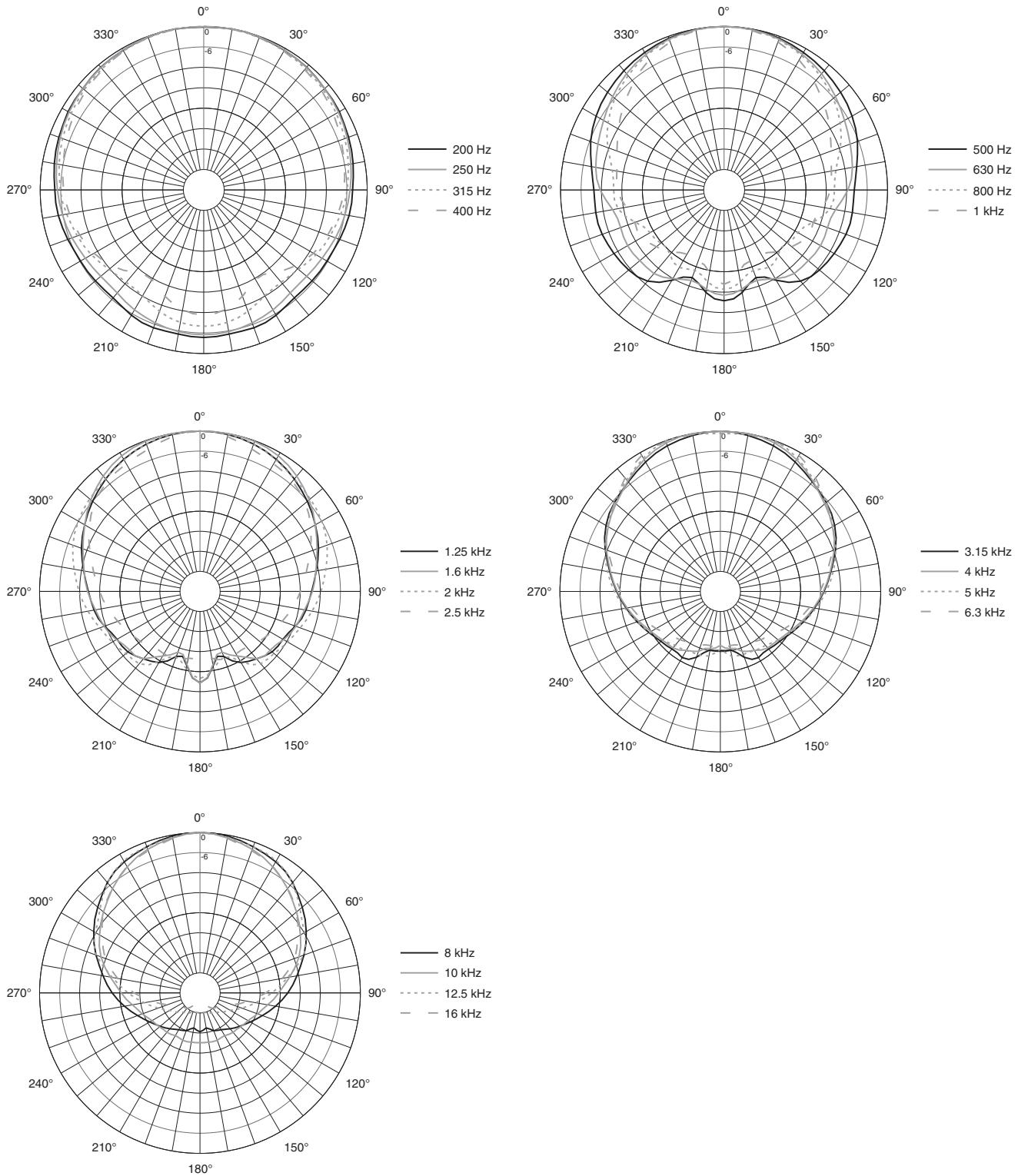


Vertical Down Off-Axis Frequency Response



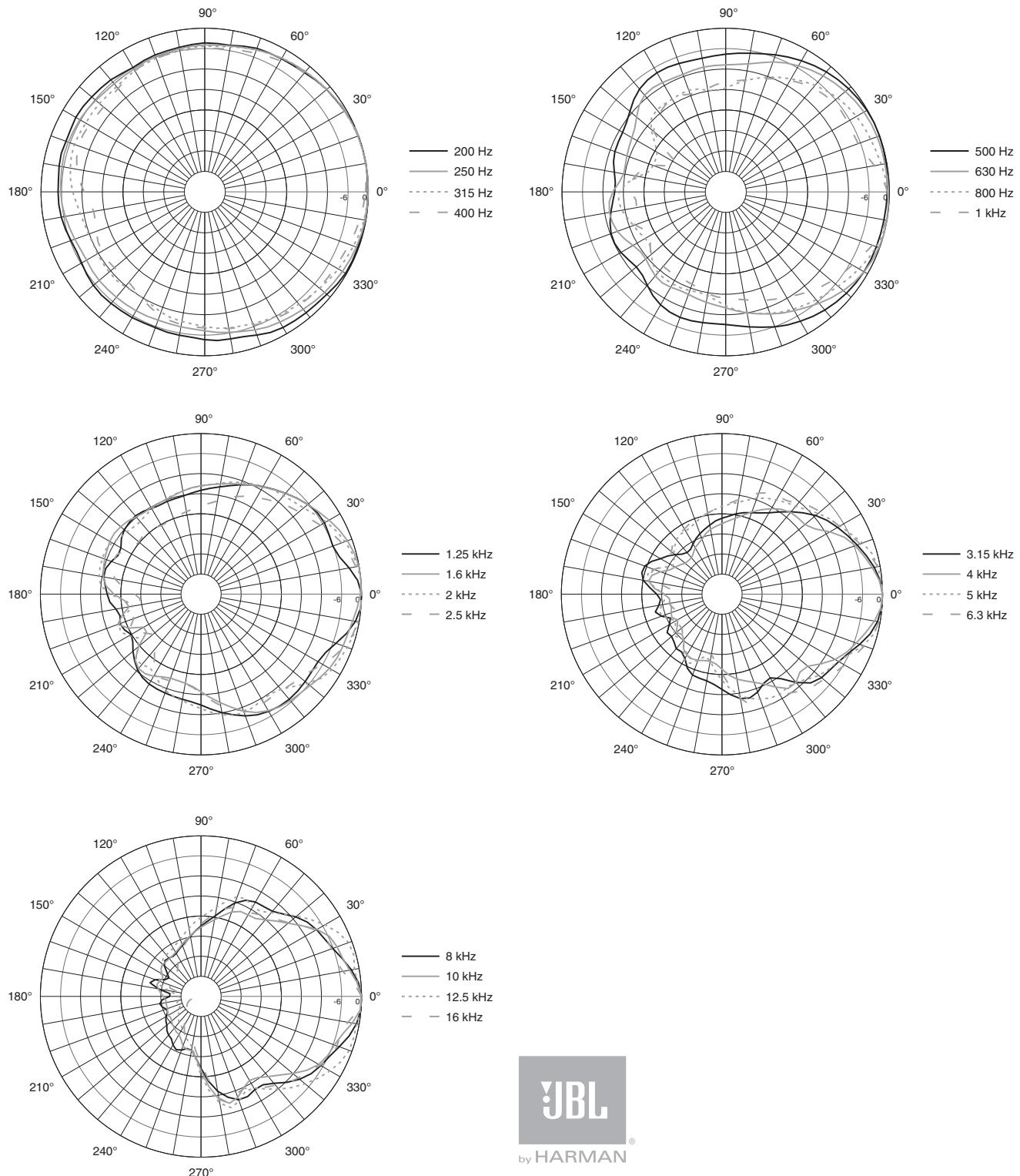
Measurements obtained in full passive crossover mode with no signal processing. Graphs are from unaltered measured data.

Horizontal 1/3 Octave Polars



► AM7215/95 High Power 2-Way Loudspeaker with 1 x 15" LF and Rotatable Horn

Vertical 1/3 Octave Polars



JBL Professional
8500 Balboa Boulevard, P.O. Box 2200
Northridge, California 91329 U.S.A.

© Copyright 2010 JBL Professional
www.jblpro.com

SS AM7215/95
CRP
08/10