

DESCRIPTION

• Permanent installation system, selectable single-amp or bi-amp

• Rotatable HF horn provides mounting options

The MK2300 Series of 2-way, high output, trapezoidal loudspeakers are designed as main PA for smaller venues, including houses of worship, auditoriums/theaters, A/V systems, hotel ballrooms, and meeting rooms. The Series is also ideal for distributed or fill purposes in larger venues, including houses of worship, auditorium/theaters, arenas, stadiums, nightclubs, and themed-entertainment complexes.

To meet the design goals for the intended applications, EAW engineers developed a new, high performance, 3-inch voice coil, compression driver mating it to a selection of six different HF horns with patterns from 60° x 45° to 120° x 60°. The horns are as large as the enclosure size allows to maintain consistent directivity throughout the HF passband. A3-inch voice coil, 12 inch LF driver, was designed to complement the sonic character and output of the HF driver. All MK2300 models are carefully voiced to sound similar, permitting diverse horn patterns to be mixed throughout an installation while maintaining the same sonic quality. The results are cleaner, usable, high-fidelity output to significantly higher levels than is normally expected from loudspeakers of this size and price.

Single-amp and bi-amp operating modes are user-selectable. In singleamp mode, the beamwidth-matching passive crossover is designed for even power response through crossover, low power losses, and high power handling. In bi-amp mode a digital signal processor (DSP) is required, providing sophisticated processing to maximize performance.

Foam-backed grilles hide the drivers from view for pleasing aesthetics. Thirteen mounting points allow enclosures to be mounted in virtually any configuration. Additional mounting points mate with OmniMount® 120.0 Series or similar brackets. Standard colors are black and white. Other colors can be specified as a special order items.

The MK2300 are the smaller companions to the MK5300 Series loudspeakers. Enclosures for both series are the same height facilitating installation where more than one horn pattern and/or type of loudspeaker capability is needed. Six Year Warranty.

2-WAY FULL-RANGE 90° x 60°

prer <u>Loading</u> Dne Vented
one Vented
one Vented
exit, 3 in voice Horn-loaded
ession driver
Channels External Signal Processing
High pass filter
DSP w/2-way filters
0 kHz
PL)
70 Hz to 20 kHz
70 Hz to 1820 Hz
1290 Hz to 17 kHz
Minimum
7.2 @ 178 Hz
7.1 @ 290 Hz
8.5 @ 6050 Hz
12 dB/octave Butterworth
600 W @ 8 ohm
600 W @ 8 ohm
150 W @ 8 ohm
vhole space SPL)
Peak
131 dB
131 dB
136 dB
Part Number
speaker Black 0013326
speaker White 0013757
speaker Black-WP 0013786
ix 1.25 in) 104001
3 x 1.25 in) 104001 0007869

1 To achieve specified performance, the listed external signal processing with EAW-provided settings is required.

2 For recommendations to select power amplifier size refer to : "HOW MUCH AMPLIFIER POWER DO I NEED?" on the EAW web site.



 EAW products are continually improved. All specifications are therefore subject to change without notice.
 Part Number: RD0243 (1) MK2396 June 2005



Material Baltic birch plywood

Finish Wear resistant textured black paint

Grille Powder-coated perforated steel



NOTES: This drawing has been reduced. Do not scale.

For WP version, add 0.25 in / 6.4 mm to the outside dimensions = 0.125 in / 3.2 mm all around.

REAW

 Image: System specification standard
 Eastern Acoustic Works
 One Main Street
 Whitinsville, MA 01588
 tel 800 992 5013 / 508 234 6158
 fax 508 234 8251
 www.eaw.com

 EAW products are continually improved. All specifications are therefore subject to change without notice.
 Part Number: RD0243 (1) MK2396
 June 2005