

BH-212



Modular High Definition Bass Reproduction System for large reinforcement applications. The unique design provides high output, excellent transient response and wide bandwidth, combined with the most economical packaging for systems using many bass horns to achieve the sound pressure levels required for the most demanding reinforcement applications. The horn design represents the "state of the art" in bass enclosures by incorporating a novel means of efficiently coupling the drivers to the throat of the device. This makes the BH-212 the only commercially available product to achieve a true exponential expansion from driver to the mouth. This smooth exponential transition minimizes discontinuity in the air loaded impedance characteristic. The end result is smoother response and higher conversion efficiency than any other bass horn available.

The use of dual 12 inch drivers provides excellent transient response which cannot be matched by any systems using 15 inch or 18 inch drivers. The dual 12 inch configuration provides more radiating area than a single 15 inch driver, and has much greater control over cone movement. This translates into less cone and suspension breakup, resulting in smoother response and much lower distortion.

The BH-212 is also designed to provide a very low flare rate in a small enclosure, making the mouth area very small in relation to the flare rate. To achieve proper results you must stack up a minimum of two units (preferably four units) per array. This makes the BH-212 unsuited for small applications but can be of great benefit in larger systems. When requirements call for a large array to achieve high output in large reinforcement applications, the small overall size can be a significant advantage in trucking and hanging requirements.

Performance Data

Operating Range: 62Hz to 450 Hz +- 3 dB Single Unit
45Hz to 350 Hz +- 3 dB Quad Array
Horn Mean Path: 42 in.
Mouth Area / Cutoff: 950 sq. in. / 125 Hz Single unit
3,800 sq. in. / 60 Hz Quad Array
Sensitivity: 106 dB SPL 1w @ 1m Single unit
112 dB SPL 1w @ 1m Quad Array
Power Handling: 400 w RMS / 600 w Program
Maximum Output At 1 Meter: 132 dB SPL @400w Single Unit
138 dB SPL @1600w Quad Array
Dimensions: 29"H x 36"W x 48"D

Configurations

BH-212-LR Loaded system with two (2) LF-303R drivers
BH-212-RF As above with flight hardware