



SPECIFICATIONS BH760

FEATURES

- Horn-loaded for efficiency and high output
- Companion to KF760 Series Line Array
- Sized for efficient truck packing
- Response to 29 Hz to capture lowest musical notes
- Enclosure pads nest together for stacking ability

DESCRIPTION

The BH760 bent horn subwoofer is engineered as both a complement to the KF760 Series Line Array loudspeaker systems and as a bass supplement to any audio system. BH760s provide extremely high levels of tight, punchy bass response to the lowest octave. Its balanced horn design allows it to be used singly or in multiples. The horns of multiple enclosures couple acoustically to create a single, larger horn that increases output and provides directivity to very low frequencies. Optimum performance is achieved when used in arrays of four or more enclosures.

The enclosure features a system of interlocking pads and grooves to facilitate stable ground stacks. Compact dimensions, well-placed handles and an optional caster pallet enhance portability. At 45-in deep, the enclosures pack uniformly with the KF760 Series loudspeakers as well as standard width road cases. Six year warranty.

APPLICATIONS

Applications include:

- Concert Touring
- Club Systems
- Large Nightclubs
- Arenas

PERFORMANCE

Frequency Response

±3 dB	29 Hz to 100 Hz
-10 dB	25 Hz

Axial Sensitivity (dB SPL, 1 watt @ 1m)

107

Nominal Impedance (ohms)

4 (2x 8)

Power Handling (watts, continuous)

With 25 Hz, 12 dB/octave, Butterworth high pass filter	1600
Without high pass filter	1000



Recommended High-Pass Frequency

12 dB/octave Butterworth	25 Hz
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Calculated Maximum Output (dB SPL)

Peak	145
Long Term	139

PHYSICAL

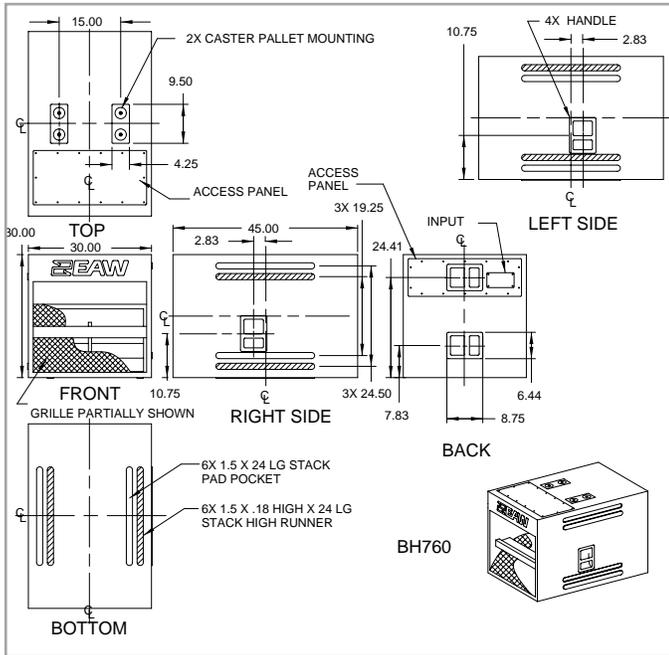
Subsystem	2x 12-in woofers, bent horn	
System Configuration	Sub bass	
Finish	Wear resistant textured black paint	
Connectors	2x Neutrik NL4 Speakon	
Grille	Powder coated perforated steel	
Dimensions	inches	millimeters
	Height	30 / 762
	Width	30 / 762
	Depth	45 / 1143
Weights	pounds	kilograms
	Net Weight	253 / 115
	Shipping Weight	273 / 125





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DIMENSIONAL DRAWING



Manufacturing tolerances are +/- 0.13 and +/- 1°

A & E SPECIFICATIONS

The horn-loaded subwoofer shall utilize bent horn technology to provide a bass horn length of over 10 feet in a 30-in wide, 40-in deep, 30-in high enclosure. The system shall incorporate two 12-in cone transducers.

System frequency response shall vary no more than ± 3 dB from 29 Hz to 100 Hz. The subwoofer shall produce a sound pressure level (SPL) of 107 dB on axis at 1 meter with a power input of 1 watt, and shall be capable of producing a peak output of 145 dB SPL on axis at 1 meter. The subwoofer shall handle 1600 watts of amplifier power (continuous) when used with a 24dB/octave Butterworth high pass filter, and 1000 watts of amplifier power (continuous) without a high pass filter. It shall have a nominal impedance of 4 ohms.

The subwoofer enclosure shall be constructed of exterior grade Baltic birch plywood and shall employ extensive internal bracing. It shall be finished in a wear resistant textured black paint. The enclosure shall have heavy-duty handles and integral skids with companion recesses so that enclosures interlock for stability when stacked. A caster pallet shall be available as an optional accessory. Input connectors shall be two Neutrik NL4 Speakon. The front of the subwoofer shall be covered with a powder coated perforated steel grille.

The horn-loaded subwoofer shall be the EAW model BH760.

