



TECHNICAL SPECIFICATIONS BH822e

DESCRIPTION

The BH822e bent bass horn subwoofer represents the next step forward in large format subbass reproduction. Widely known as the SuperSub™, the system is designed for use in arrays of four or more which produce extremely high output sub bass response to the very bottom of the audible spectrum.

The 13-ft bent horn loads 2x 12-in woofers specially designed to endure the extreme conditions the SuperSub imposes. An array of four BH822e's will produce a maximum output of 146.0 dB at 28 Hz and features -3 dB and -10 dB points of 24 Hz and 21 Hz, respectively.

APPLICATIONS

The BH822e subwoofer system is engineered for use in arrays of four or more modules and are appropriate in any application requiring extremely high output levels of sub bass information.

Relatively small SuperSub arrays will fill the largest domed stadiums, arenas, houses of worship, theaters and performing arts centers with high impact sub bass information.

The BH822e is optimized for permanent installation only. Six year warranty.

Applications include:

- Stadiums
- Large Nightclubs
- Large Houses of Worship
- Performing Arts Center
- Large Theater



Portable version shown

DESCRIPTIVE DATA

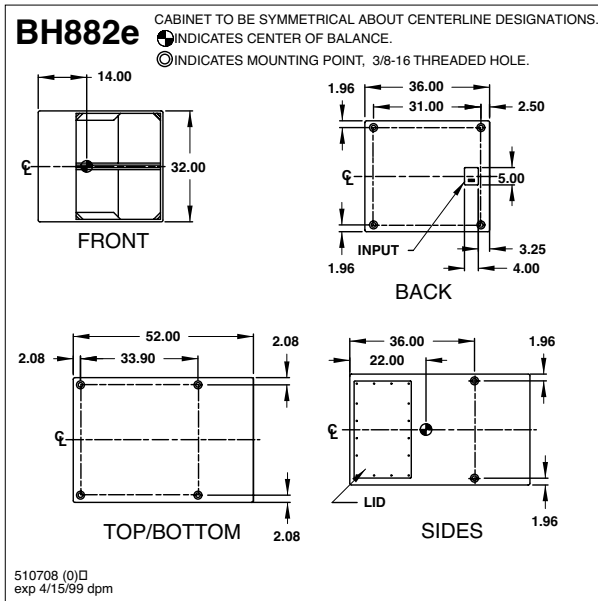
Configuration	Sub Bass	
Sub Bass Subsystem	2x 12-in Woofer, Bent Horn	
Cabinet Type (shape)	Rectangular	
Enclosure Materials	Baltic Birch Plywood	
Finish	Black Polyurethane	
Connectors	4-Terminal Barrier Strip	
Dimensions	inches	millimeters
Height	32	813
Width	36	914
Depth	51	1295
Weights	pounds	kilograms
Net Weight	360	163.8
Shipping Weight	400	182.0
Companion Systems		
LF	MQ1312, MQ2412, KF930	
MF	KF920	
HF	KF910, KF911, KF913	
Mid/High	MQ1364, MQ1366, MQ1394, MQ2364, MQ2394, KF853D	
Full Range	KF750, KF850, KF860, KF861	
Downfill	KF755, KF855	





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DIMENSIONAL DRAWING



ARCHITECTURAL SPECIFICATIONS

The sub bass system shall incorporate 2x 12-in woofers. The drivers shall be mounted on a bent bass horn with a pathlength of at least 13 feet constructed of hardwood plywood veneer and structural foam.

System frequency response shall vary no more than ± 3 dB from 24 to 300 Hz. The system shall produce a Sound Pressure Level (SPL) of 109 dB SPL on axis 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 system shall handle 1000 Watts of amplifier power (AES Standard) and shall have a nominal impedance of 2x 8 ohms.

The loudspeaker enclosure shall be rectangular in shape. It shall be constructed of 15mm thickness void-free cross-grain-laminated Baltic Birch plywood and shall employ extensive internal bracing. It shall be finished in black polyurethane. Input connectors shall be a 4-terminal barrier strip.

- The sub bass system shall be the EAW model BH822e.

NOMINAL DATA

Frequency Response (1 W @ 1m)	
± 3 dB	24 Hz - 300 Hz
-10 dB	21 Hz
Axial Sensitivity (dB SPL, 1 Watt @ 1m)	
Sub Bass	109
Impedance (Ohms)	
Sub Bass	2x 8
Power Handling, AES Standard (Watts)	
Sub Bass	1000
Calculated Maximum Output (dB SPL)	
Sub Bass Peak	145.0
Sub Bass Long Term	139.0
Recommended High-Pass Frequency	
24 dB/Octave	22 Hz

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