



TECHNICAL SPECIFICATIONS BH800R/P

DESCRIPTION

A dedicated bent bass horn with an 18-in woofer in a rectangular enclosure. Available in "R" (portable) or "P" (permanent installation) versions.

APPLICATIONS

The BH800 employs maximum efficiency horn loading for powerful LF response. The P version an effective tool in large format installations while the R version's built in wheels and handles optimize it for portable use. Six year warranty.

Applications include:

- Stadiums
- Arenas
- Dance Clubs

DESCRIPTIVE DATA

Part Number	999170 (BH800R) 999227 (BH800P)
Product Group	L
Components & Loading	1x 18-in Horn-Loaded Cone
System Configuration	Dedicated LF Horn
Recommended High-Pass Frequency (24 dB/Octave)	35Hz
Cabinet Type (shape)	Rectangular (R: built-in wheels and handles)
Enclosure Materials	Baltic Birch Plywood
Finish	Black Catalyzed Polyurethane
Connectors	R: 2x Neutrik NL4 Speakon P: 2-Terminal Barrier Strip
Grill	none

NOMINAL DATA

Frequency Response (Hz)		
±3 db	60Hz (47Hz quad array) to 300Hz	
-10 dB	45Hz (36Hz quad array)	
Axial Sensitivity (dB SPL/1 Watt/1m)		
	102	
Impedance (Ohms)		
	4	
Power Handling (Watts)		
AES Standard	800	
Calculated Maximum Output (dB SPL, @1m)		
Peak	137.0	
Long Term	131.0	
Dimensions		
	inches	millimeters
Height	60	1524
Width	29.75	775
Depth	29.56	751
Weights		
	pounds	kilograms
Net Weight	238	108.3
Shipping Weight	246	111.9



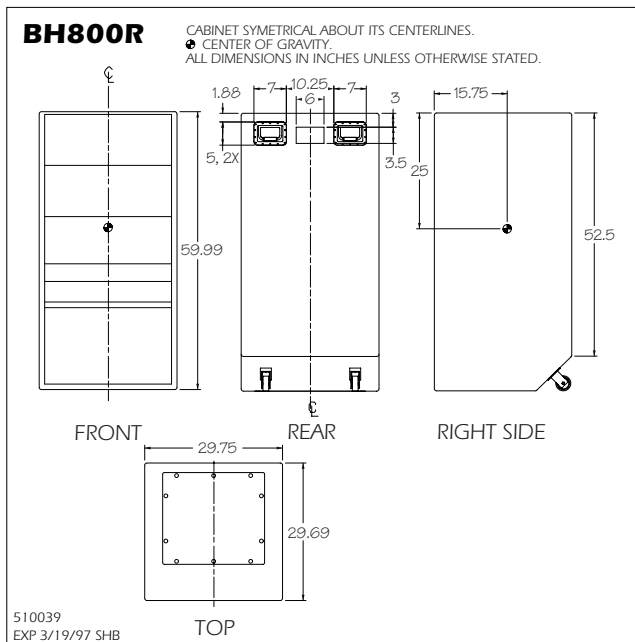
P version shown





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DIMENSIONAL DRAWING



SERVICE ITEMS

Sub: Complete Cone Driver

EAW Part No. 804042

Filter/Crossover Network: Complete Assembly

EAW Part No. 201040

ARCHITECTURAL SPECIFICATIONS

The low frequency loudspeaker systems shall incorporate an 18-in LF transducer mounted in a folded bass horn constructed of 3mm birch plywood reinforced with high density polyurethane foam.

System frequency response shall vary no more than ± 3 dB from 60 Hz to 300 Hz measured on axis. The loudspeaker shall produce a Sound Pressure Level (SPL) of 102 dB SPL on axis at 1 meter with a power input of 1 Watt, and shall be capable of producing a peak output of 137 SPL on axis at 1 meter. The loudspeaker shall handle 800 Watts of amplifier power (AES Standard) and shall have a nominal impedance of 4 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 catalyzed polyurethane. Input connectors shall be 2-terminal barrier strip.

The low frequency loudspeaker shall be the EAW model BH800P.