



TECHNICAL SPECIFICATIONS UB22

DESCRIPTION

A 2-way full range system (passive LF/HF crossover) in an ultracompact dual baffle enclosure. Includes 2x 5.25-in woofers and a 1-in exit compression driver on a 120 x 50 constant directivity horn.

APPLICATIONS

The UB22 is engineered to provide extra-wide-angled coverage (horizontal) from a wall mounted position. Surprisingly high output with high definition. Effective as a delay loudspeaker in a larger system or in a distributed background/foreground music system. Comprehensive mounting/suspension points. Six year warranty.

Applications include:

- Large Theaters (fill/delay)
- Small Theaters (fill/delay)
- Boardrooms
- Small HOW's (fill/delay)
- Restaurants
- Retail Spaces (distributed)

DESCRIPTIVE DATA

Part Number	999041
Product Group	I
LF Subsystem & Loading	2x 5.25-in Cone
HF Subsystem & Loading	1x 1-in Exit Compression Driver on Constant Directivity Horn
System Configuration	2-way, Full Range, Wallmount
Powering Configuration(s)	Passive LF/HF Crossover
Recommended High-Pass Frequency (24 dB/Octave)	50Hz
Cabinet Type (shape)	Square with Curved Face, Dual Angled Baffles
Enclosure Materials	Baltic Birch Plywood & MDF
Finish	Black Catalyzed Polyurethane
Connectors	2-Terminal Barrier Strip
Suspension Hardware	(4) 1/4"-20 Threaded Mounting/Suspension Points (1 each top, bottom and sides)
Grill	Vinyl Coated Perforated Steel
Mounting Bracket	980006



NOMINAL DATA

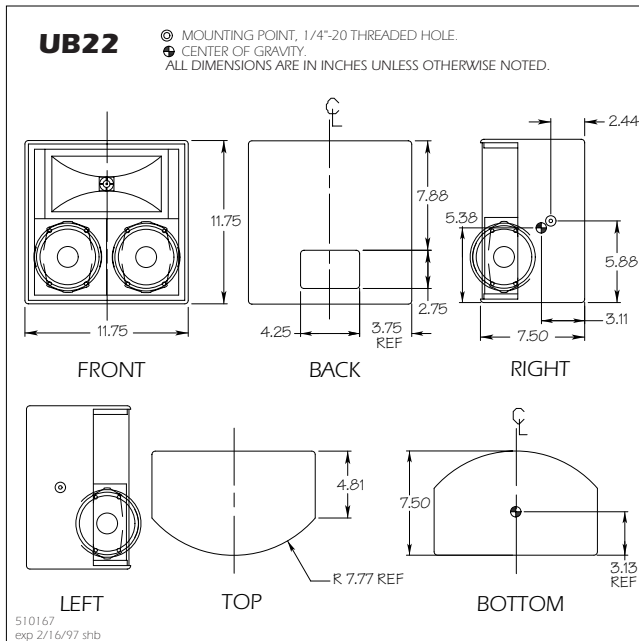
Frequency Response (Hz)		
±3 db	100Hz to 19kHz	
-10 db	60Hz	
Axial Sensitivity (dB SPL/1 Watt/1m)		
93		
Impedance (Ohms)		
4		
Power Handling (Watts)		
AES Standard	200	
Calculated Maximum Output (dB SPL, @ 1m)		
Peak	122.0	
Long Term	116.0	
Nominal Coverage Angle / -6 dB points (degrees)		
Horizontal	120	
Vertical	50	
Dimensions		
	inches	millimeters
Height	11.75	298
Width	11.75	298
Depth	7.50	191
Weights		
	pounds	kilograms
Net Weight	16.5	7.5
Shipping Weight	19	8.6





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DIMENSIONAL DRAWING



SERVICE ITEMS

LF: Complete Cone Driver	EAW Part No. 803016
HF: Complete Compression Driver/Tweeter	EAW Part No. 804001
Filter/Crossover Network: Complete Assembly	EAW Part No. 201233

ARCHITECTURAL SPECIFICATIONS

The two-way full range loudspeaker systems shall incorporate 2x 5.25-in LF transducers and a 1-in exit compression driver HF transducer.

The HF driver shall be loaded on a constant directivity horn with a nominal coverage pattern of 120° (h) x 50° (v). The LF drivers shall be mounted on separate angled baffles to match the HF horn's coverage angle. An internal passive filter network shall provide fourth order acoustical crossover and system equalization.

System frequency response shall vary no more than ± 3 dB from 100 Hz to 19 kHz measured on axis. The loudspeaker shall produce a Sound Pressure Level (SPL) of 93 dB SPL on axis at 1 meter with a power input of 1 Watt, and shall be capable of producing a peak output of 122 SPL on axis at 1 meter. The loudspeaker shall handle 200 Watts of amplifier power (AES Standard) and shall have a nominal impedance of 4 Ohms.

The loudspeaker enclosure shall be rectangular in shape with the exception of the rounded front baffle. It shall be constructed of 3/4-in medium density fiberboard (MDF) with the exception of the baffle which shall be 15mm thickness void-free cross-grain-laminated Baltic birch plywood. The enclosure shall employ extensive internal bracing. It shall be finished in black catalyzed polyurethane. Input connectors shall be 2-terminal barrier strip. A total of four 1/4"-20 threaded mounting/suspension points (1 each top, bottom and sides) shall be provided. The front of the loudspeaker shall be covered with a vinyl coated perforated steel grill.

The two-way full range loudspeaker shall be the EAW model UB82.