



TECHNICAL SPECIFICATIONS AS422

DESCRIPTION

A dedicated low frequency system in a trapezoidal enclosure. Includes 2x 12-in woofers mounted on slanted baffles and separated vertically to create a dipolar array.

APPLICATION

The AS422 is engineered to complement the AS460 or AS490 mid/high modules to provide full range performance in a flexible, modular, multi-enclosure format. Its trapezoid angles create the ideal splay for arrays of 2x AS460's. Excellent for use in applications where off-axis rejection of low frequency information is required. Includes comprehensive 3/8"-16 mounting/suspension points. Six year warranty.

Applications include:

- Stadiums
- Arenas
- Dance Clubs
- Theaters
- Performing Arts Centers
- Houses of Worship

DESCRIPTIVE DATA

Part Number	999678
Product Group	I, L
System Configuration	Dedicated Low Frequency System
LF Subsystem & Loading	2x 12-in, Vented, Dipolar Array
Recommended High-Pass Frequency (24 dB/Octave)	50 Hz
Cabinet Type (shape)	Trapezoidal
Enclosure Materials	Baltic Birch Plywood
Finish	Black Polyurethane
Connectors	2-Terminal Barrier Strip
Suspension Hardware	(10) 3/8"-16 Threaded Mounting/Suspension Points (2 each Top, Bottom, Back and Sides)
Grill	Powder Coated Perforated Steel
Options	104001 3/8"-16 Eyebolt (FC300B)



NOMINAL DATA

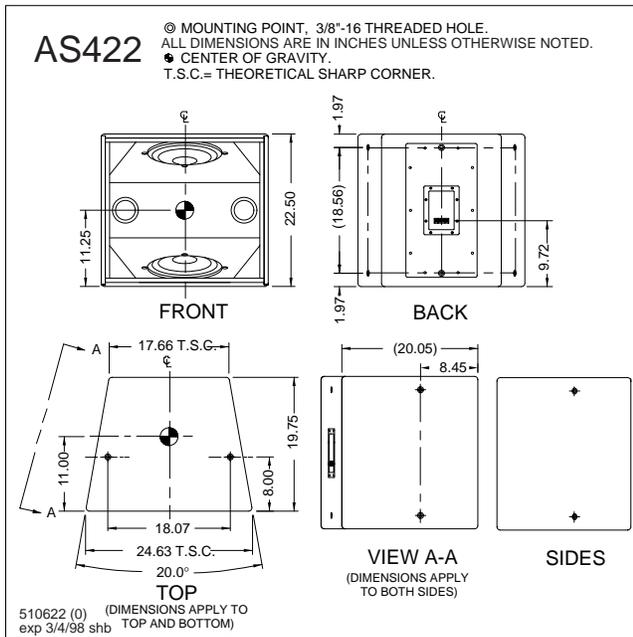
Frequency Response (1 Watt @ 1m)		
±3 dB	70 Hz to 500 Hz	
-10 dB	50 Hz	
Axial Sensitivity (dB SPL, 1 Watt @ 1m)		
LF	102	
Impedance (Ohms)		
LF	4	
Power Handling, AES Standard (Watts)		
LF	800	
Calculated Maximum Output (dB SPL @ 1m)		
LF Peak	135.0	
LF Long Term	129.0	
Dimensions	inches	millimeters
Height	22.50	572
Width (Front)	24.63	626
Width (Rear)	17.66	449
Depth	19.75	502
Trapezoid Angle	10 degrees per side	
Weights	pounds	kilograms
Net Weight	78	35.5
Shipping Weight	93	42.3





TECHNICAL SPECIFICATIONS AS422

DIMENSIONAL DRAWING



ARCHITECTURAL SPECIFICATIONS

The low frequency loudspeaker systems shall incorporate 2x 12-in LF transducers that shall be mounted in slanted baffles and separated vertically to create a dipolar array.

System frequency response shall vary no more than ± 3 dB from 70 to 500 Hz measured on axis. The system shall produce a Sound Pressure Level (SPL) of 100 dB SPL on axis at 1 meter with a power input of 1 Watt, and shall be capable of producing a peak output of 135.0 dB SPL on axis at 1 meter. The system shall handle 800 Watts of amplifier power (AES Standard) and shall have a nominal impedance of 4 Ohms.

The loudspeaker enclosure shall be trapezoidal 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 2-terminal barrier strip. Ten (10) 3/8"-16 threaded mounting/suspension points (2 each top, bottom, back and sides) shall be provided. The front of the loudspeaker shall be covered with a powder coated perforated steel grill.

The low frequency loudspeaker shall be the EAW model AS422.

SERVICE ITEMS

LF: Complete Cone Driver	
EAW Part No.	804051
LF: Recone Assembly	
EAW Part No.	460048