



## TECHNICAL SPECIFICATIONS AS415

### DESCRIPTION

A dedicated low frequency system in a trapezoidal enclosure. Includes a 15-in woofer (vented).

### APPLICATION

The AS415 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. 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	999677
Product Group	I
System Configuration	Dedicated Low Frequency System
LF Subsystem & Loading	1x 15-in, Vented
Recommended High-Pass Frequency (24 dB/Octave)	39 Hz
Cabinet Type (shape)	Trapezoidal
Enclosure Materials	Baltic Birch Plywood
Finish	Black Polyurethane
Connectors	2-Terminal Barrier Strip
Suspension Hardware	(12) 3/8"-16 Threaded Mounting/Suspension Points (3 each Top and Bottom, 2 on Sides and Back)
Grill	Powder Coated Perforated Steel
Options	104001 3/8"-16 Eyebolt (FC300B)



### NOMINAL DATA

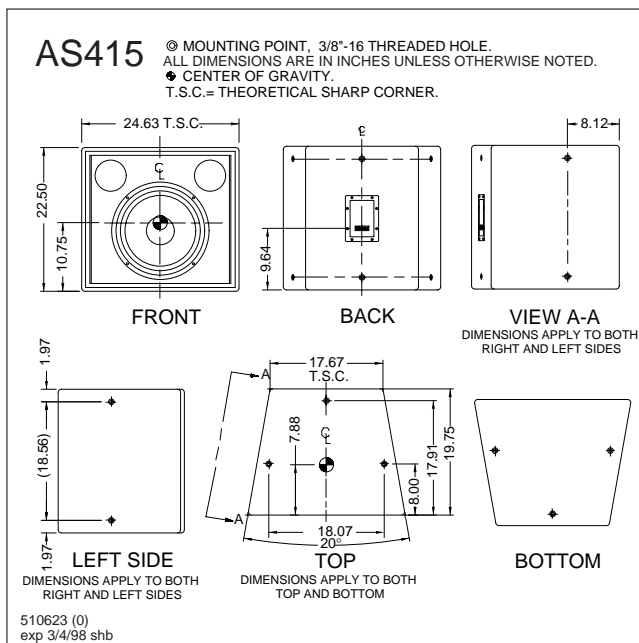
<b>Frequency Response (1 Watt @ 1m)</b>		
±3 dB	47 Hz to 500 Hz	
-10 dB	39 Hz	
<b>Axial Sensitivity (dB SPL, 1 Watt @ 1m)</b>		
LF	97	
<b>Impedance (Ohms)</b>		
LF	8	
<b>Power Handling, AES Standard (Watts)</b>		
LF	600	
<b>Calculated Maximum Output (dB SPL @ 1m)</b>		
LF Peak	130.8	
LF Long Term	124.8	
<b>Dimensions</b>	<b>inches</b>	<b>millimeters</b>
Height	22.50	572
Width (Front)	24.63	626
Width (Rear)	17.66	449
Depth	19.75	502
Trapezoid Angle	10 degrees per side	
<b>Weights</b>	<b>pounds</b>	<b>kilograms</b>
Net Weight	76	34.6
Shipping Weight	91	41.4





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## DIMENSIONAL DRAWING



## ARCHITECTURAL SPECIFICATIONS

The low frequency loudspeaker systems shall incorporate a 15-in LF transducer that shall be mounted in a vented enclosure tuned for optimum LF response.

System frequency response shall vary no more than  $\pm 3$  dB from 47 to 500 Hz measured on axis. The system shall produce a Sound Pressure Level (SPL) of 97 dB SPL on axis at 1 meter with a power input of 1 Watt, and shall be capable of producing a peak output of 130.8 dB SPL on axis at 1 meter. The system shall handle 600 Watts of amplifier power (AES Standard) and shall have a nominal impedance of 8 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. Twelve (12) 3/8"-16 threaded mounting/suspension points (3 each top and bottom, 2 each on sides and back) 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 AS415.

## SERVICE ITEMS

### LF: Complete Cone Driver

EAW Part No. 804081

### LF: Recone Assembly

EAW Part No. 460050