SPECIFICATIONS ASR660e

DESCRIPTION

A bi-amplified (passive mid/high crossover) or tri-amplified 3-way full range system in a rectangular enclosure. Includes 2x 12-in woofers (separated vertically), a horn-loaded 10-in MF cone with Radial Phase Plug™ and a 1.4-in exit/2.5-in voice coil HF neodymium compression driver on a 60° x 45° constant directivity horn.

APPLICATION

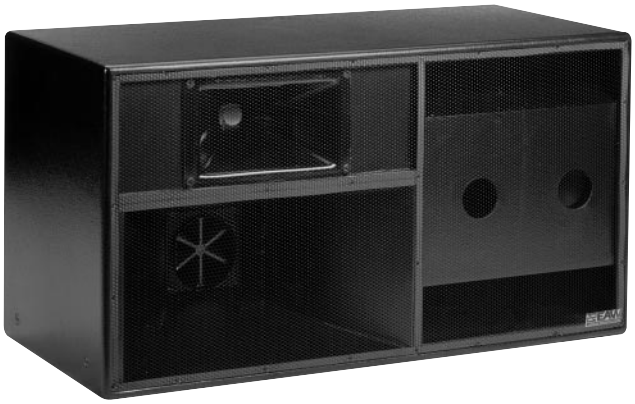
The ASR660e is engineered for use in permanent installations. Optimized subsections provide excellent full range frequency response in a medium format enclosure. The low profile 22.5-in enclosure height is optimized for use in applications where mounting space is limited. Includes comprehensive 3/8"-16 threaded mounting/suspension points. Six year warranty.

Applications include:

Stadiums	Arenas
Performing Arts Centers	Houses of Worship

PERFORMANCE

Frequency Response (Hz)	
±3 dB	67 Hz to 15 kHz
-10 dB	50 Hz
Axial Sensitivity (dB SPL, 1 Watt @ 1m)	
Passive MF/HF	107
LF	102
MF	109
HF	109
Impedance (Ohms)	
Passive MF/HF	8
LF	4
MF	8
HF	8
Power Handling (Watts, Continuous)	
Passive MF/HF	450
LF	800
MF	400
HF	125
Recommended High-Pass Frequency	
24 dB/Octave	40 Hz
Calculated Maximum Output (dB SPL @ 1m)	
Passive MF/HF Peak	135
LF Peak	137
MF Peak	141
HF Peak	136
Passive MF/HF Long Term	133
LF Long Term	131
MF Long Term	135
HF Long Term	130
Nominal Coverage Angle, -6 dB Points (degrees)	
Horizontal	60
Vertical	45



PHYSICAL

Product Group	I
System Configuration	3-way, full range
Powering	Bi-amplified(passive MF/HF crossover) or tri-amplified
LF Subsystem & loading	2x 12-in, vented
MF Subsystem & Loading	1x 10-in cone, Radial Phase Plug™ horn-loaded
HF Subsystem & Loading	1x 1.4-in exit/2.5-in voice coil neodymium compression driver on constant directivity horn
Cabinet Type (shape)	Rectangular
Enclosure Materials	Exterior grade Baltic birch plywood
Finish	Wear-resistant textured black paint
Connectors	2x 6-Contact terminal barrier strip, jumpers used for powering configuration
Suspension Hardware	(18) 3/8"-16 threaded mounting points (4 each top, bottom and sides, 2 on back)
Grille	Powder coated perforated steel

Dimensions	**inches**	**millimeters**
Height	22.5	572
Width	41.5	1054
Depth	22.5	572

Weights	**pounds**	**kilograms**
Net Weight	175	79.6
Shipping Weight	190	86.5

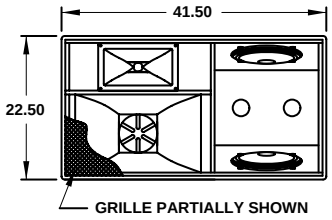
One Main Street, Whitinsville, MA 01588 508 234 6158 Toll Free 800 992 5013 FAX 508 234 8251 info@eaw.com www.eaw.com

ASR660e/2 pp October 2001 Printed in USA

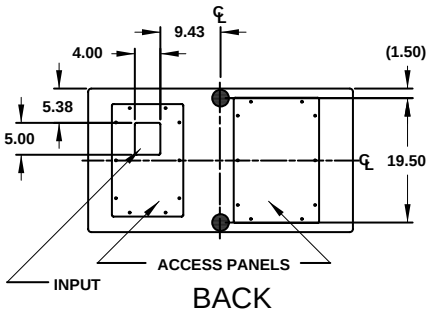
SPECIFICATIONS ASR660e

DIMENSIONAL DRAWING

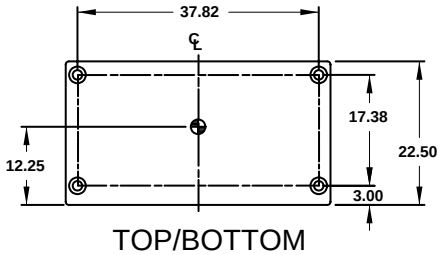
- ◎ INDICATES MOUNTING POINT, 3/8-16 THREADED HOLE (PI ANGLE).
- ● INDICATES MOUNTING POINT, 3/8-16 THREADED HOLE (NUT PLATE).
- ⊕ SYMBOL INDICATES CENTER OF BALANCE



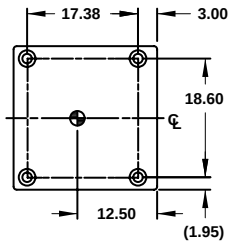
FRONT



BACK



TOP/BOTTOM



LEFT SIDE

DIMENSIONS APPLY TO BOTH SIDES

509136 (0)
5/11/01

Manufacturing tolerances are +/- 0.13 and +/- 1°

A & E SPECIFICATIONS

The bi-amplified or tri-amplified 3-way full range loudspeaker system shall incorporate 2x 12-in LF transducers, a horn-loaded 10-in MF cone with Radial Phase Plug™ and a 1.4-in exit/2.5-in voice coil HF neodymium compression driver.

The LF drivers shall be mounted in slanted baffles and separated vertically. The MF driver shall be loaded into a midrange horn constructed of 1/8-in birch plywood backed with high density polyurethane foam. The HF driver shall be loaded on a constant directivity horn with a nominal coverage pattern of 60° (h) x 45° (v). An internal passive filter network shall provide fourth order acoustical crossover and system equalization between the MF and HF subsystems.

System frequency response shall vary no more than ±3 dB from 67 Hz to 15 kHz measured on axis. The mid/high section shall produce a Sound Pressure Level (SPL) of 107 dB SPL on axis at 1 meter with a power input of 1 Watt, and shall be capable of producing a peak output of 139 dB SPL on axis at 1 meter. The low frequency section 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 dB SPL on axis at 1 meter. The mid frequency section shall produce a Sound Pressure Level (SPL) of 109 dB SPL on axis at 1 meter with a power input of 1 Watt, and shall be capable of producing a peak output of 141 dB SPL on axis at 1 meter. The high frequency section shall produce a Sound Pressure Level (SPL) of 109 dB SPL on axis at 1 meter with a power input of 1 Watt, and shall be capable of producing a peak output of 136 dB SPL on axis at 1 meter. The mid/high section shall handle 450 Watts of amplifier power (continuous) and shall have a nominal impedance of 8 Ohms. The low frequency section shall handle 800 Watts of amplifier power (continuous) and shall have a nominal impedance of 4 Ohms. The mid frequency section shall handle 400 Watts of amplifier power (continuous) and shall have a nominal impedance of 8 Ohms. The high frequency section shall handle 125 Watts of amplifier power (continuous) and shall have a nominal impedance of 8 Ohms.

The loudspeaker enclosure shall be rectangular in shape. It shall be constructed of multi-ply, void-free, cross-grain-laminated, exterior grade, Baltic birch plywood and shall employ extensive internal bracing. It shall be finished in wear-resistant, textured black paint. Input connectors shall be 2x 6-contact terminal barrier strips. Eighteen (18) 3/8"-16 threaded mounting/suspension points (4 each top, bottom and sides, 2 on back) shall be provided. The front of the loudspeaker shall be covered with a powder coated perforated steel grille.

The bi-amplified or tri-amplified 3-way full range loudspeaker shall be the EAW model ASR660e.

One Main Street, Whitinsville, MA 01588 508 234 6158 Toll Free 800 992 5013 FAX 508 234 8251 info@eaw.com www.eaw.com