



SPECIFICATIONS ASR665e

DESCRIPTION

A bi-amplified (passive mid/high crossover) or tri-amplified 3-way full range system in a rectangular enclosure. Includes a 15-in woofer (vented), 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 ASR665e 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 mounting/suspension points. Six year warranty.

Applications include:

Stadiums	Arenas
Performing Arts Centers	Houses of Worship

PERFORMANCE

Frequency Response (Hz)	
±3 dB	60 Hz to 15 kHz
-10 dB	47 Hz
Axial Sensitivity (dB SPL, 1 Watt @ 1m)	
Passive MF/HF	107
LF	97
MF	109
HF	109
Impedance (Ohms)	
Passive MF/HF	8
LF	8
MF	8
HF	8
Power Handling (Watts, Continuous)	
Passive MF/HF	450
LF	600
MF	400
HF	125
Recommended High-Pass Frequency	
24 dB/Octave	40 Hz
Calculated Maximum Output (dB SPL @ 1m)	
Passive MF/HF Peak	139
LF Peak	130
MF Peak	141
HF Peak	136
Passive MF/HF Long term	133
LF Long Term	124
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 Configuration(s)	Bi-amplified (passive MF/HF crossover) or tri-amplified	
LF Subsystem & Loading	1x 15-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	2 x 6-Contact terminal barrier strip, jumpers used for power configuring	
Suspension Hardware	(18) 3/8"-16 threaded mounting/suspension 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	167 76
	Shipping Weight	182 82.8

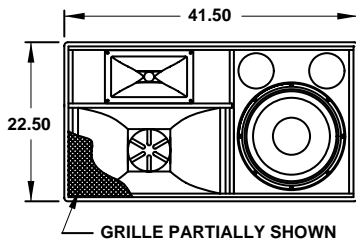




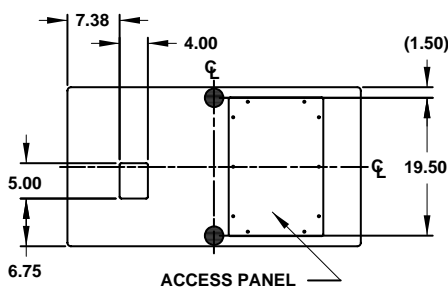
SPECIFICATIONS ASR665e

DIMENSIONAL DRAWING

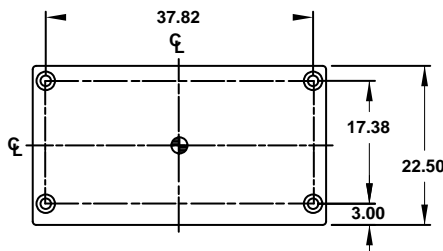
- ⊙ INDICATES MOUNTING POINT, 3/8-16 THREADED HOLE (PI ANGLE).
- INDICATES MOUNTING POINT, 3/8-16 THREADED HOLE (NUT PLATE).
- ⊕ SYMBOL INDICATES CENTER OF BALANCE



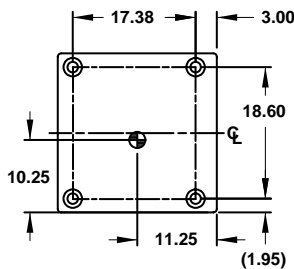
FRONT



BACK



TOP/BOTTOM



LEFT SIDE

DIMENSIONS APPLY TO BOTH SIDES

509135 (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 a vented 15-in LF transducer, 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 driver shall be mounted in a vented enclosure tuned for optimum low frequency response. 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 60 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 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 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 600 Watts of amplifier power (continuous) and shall have a nominal impedance of 8 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 ASR665e.

