



TECHNICAL SPECIFICATIONS MH660E

DESCRIPTION

A 2-way biamp mid/high system in a trapezoidal enclosure. Includes a horn-loaded 10-in midrange cone and a 2-in exit compression driver on a 65 x 45 constant directivity horn.

APPLICATIONS

The MH660E Virtual Array mid/high loudspeaker is engineered to combine with BH, BV or TD Series LF modules to create true 3-way large format arrays. 3-way design dramatically improves the quality of vocal reproduction while the cone-driven large format midbass horn extends pattern control into the lower octaves. An effective tool in large scale permanent installations. Comprehensive mounting/suspension points. Six year warranty.

Applications include:

- Large Theaters
- Concert Halls
- Stadiums
- Cathedrals
- Large HOW's
- Dance Clubs



DESCRIPTIVE DATA

Part Number	999087
Product Group	M
MF Subsystem & Loading	1x 10-in Horn Loaded Cone
HF Subsystem & Loading	1x 2-in Exit Compression Driver on Constant Directivity Horn
System Configuration	2-way, Mid/High
Powering Configuration(s)	Biamplified (MX Series Processor)
Recommended High-Pass Frequency (24 dB/Octave)	200Hz
Cabinet Type (shape)	Modified Trapezoid
Enclosure Materials	Baltic Birch Plywood
Finish	Black Catalyzed Polyurethane
Connectors	4-Terminal Barrier Strip 2X Neutrik NL4 Speakon
Suspension Hardware	(16) 3/8"-16 Threaded Mounting/ Suspension Points (4 each top, bottom and sides)
Grill	Vinyl Coated Perforated Steel

NOMINAL DATA

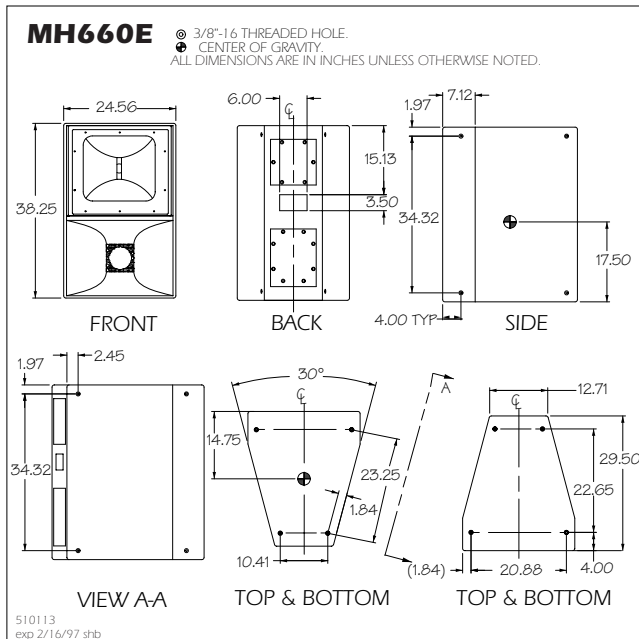
Frequency Response (Hz)	± 3 dB	200Hz to 19kHz
	-10 dB	140Hz
Axial Sensitivity (dB SPL/1 Watt/1m)	MF	109
	HF	112
Impedance (Ohm)	MF	8
	HF	10
Power Handling (Watts)	MF AES Standard	400
	HF AES Standard	200
Calculated Maximum Output (dB SPL, @ 1m)	MF Peak	141.0
	HF Peak	141.0
	MF Long Term	135.0
	HF Long Term	135.0
Nominal Coverage Angle / -6 dB points (degrees)	Horizontal	60
	Vertical	45
Dimensions & Weights	inches	millimeters
	Height	38.25 972
	Width	24.56 624
	Width (Front)	24.56 624
	Width (Rear)	12.71 323
	Depth	29.5 749
Trapezoid Angle	15 degrees per side	
Weights	pounds	kilograms
	Net Weight	150 68.3
	Shipping Weight	162 73.7





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DIMENSIONAL DRAWING



SERVICE ITEMS

MF: Complete Cone Driver

EAW Part No. 804022

HF: Complete Compression Driver/Tweeter

EAW Part No. 803010

Filter/Crossover Network: Complete Assembly

EAW Part No. 225055

ARCHITECTURAL SPECIFICATIONS

The two-way mid/high loudspeaker system shall incorporate a 10-in cone MF transducer and a 2-in exit compression driver HF transducer.

The MF driver shall be loaded into a midrange horn constructed of 3mm birch plywood reinforced with high density polyurethane foam. The MF horn shall incorporate a phase/displacement plug. The HF driver shall be loaded on constant directivity horn with a nominal coverage pattern of 60° (h) x 45° (v). An internal passive filter network shall provide system equalization.

System frequency response shall vary no more than ± 3 dB from 200 Hz to 19 kHz measured on axis. The midrange 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 SPL on axis at 1 meter. The high frequency section shall produce a Sound Pressure Level (SPL) of 112 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 SPL on axis at 1 meter. The midrange frequency section shall handle 400 Watts of amplifier power (AES Standard) and shall have a nominal impedance of 8 Ohms. The high frequency section shall handle 200 Watts of amplifier power (AES Standard) and shall have a nominal impedance of 10 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 catalyzed polyurethane. Input connectors shall be 4-terminal barrier strip and dual Neutrik NL4 Speakon. A total of sixteen 3/8"-16 threaded mounting/suspension points (4 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 mid/high loudspeaker shall be the EAW model MH660E.