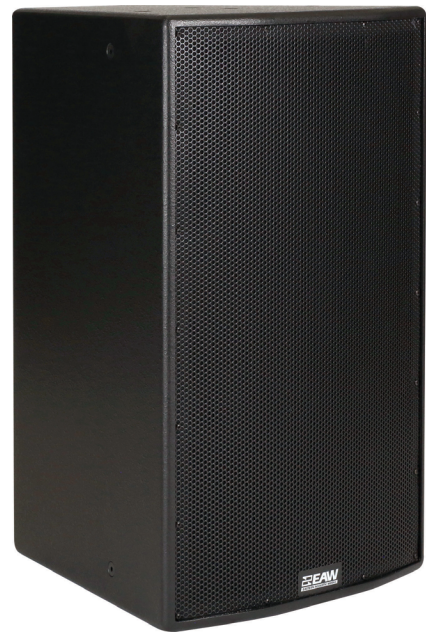


# MK5300i Series

## 2-Way Full-Range Loudspeakers

- MK5326i ▶ 120° x 60°
- MK5394i ▶ 90° x 45°
- MK5364i ▶ 60° x 45°
- MK5396i ▶ 90° x 60°
- MK5366i ▶ 60° x 60°
- MK5399i ▶ 90° x 90°

- ▶ Optimized for installation
- ▶ Application flexibility with 3/8in mounting points
- ▶ Arrayable two-way
- ▶ User rotatable horns



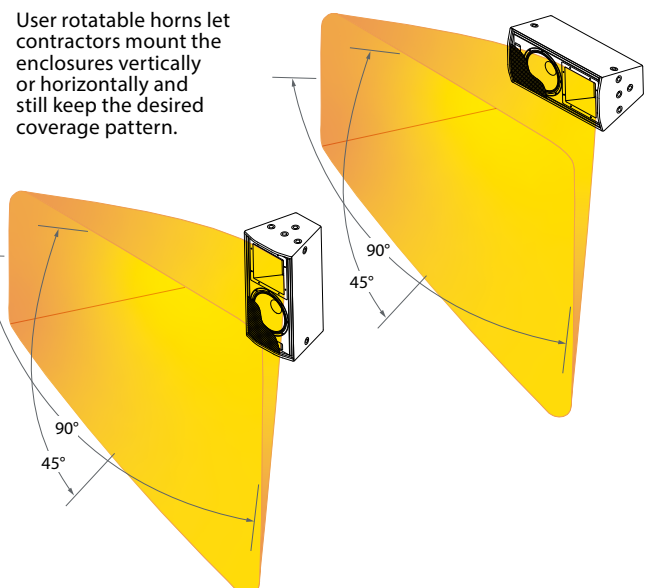
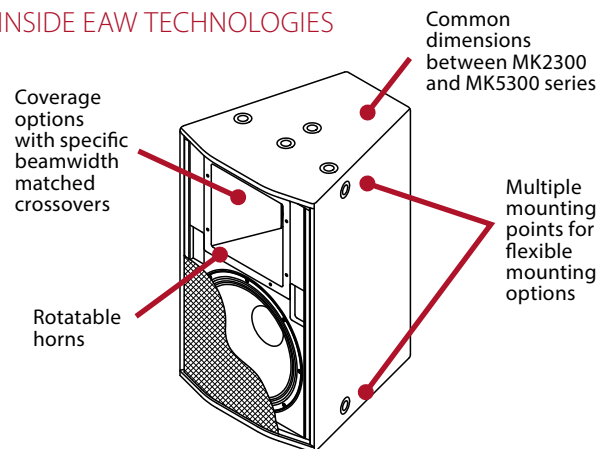
### OVERVIEW

The MK5300i Series of 2-way, high output, trapezoidal loudspeaker systems are designed as main PA elements for smaller venues, including small houses of worship and auditoriums/theaters, corporate A/V systems, hotel ballrooms and meeting rooms. The Series is also excellent for distributed or fill purposes in larger venues, including large houses of worship and auditoriums/theaters, arenas, stadiums, nightclubs, and themed-entertainment complexes.

To meet the design goals for the intended applications, EAW engineers developed a new, high performance, 3in voice coil, 1.4in exit compression driver loading it with a selection of six different HF horns with coverage patterns ranging from 60° x 45° to 120° x 60°. The horns are as large as the enclosure size allows to maintain consistent directivity throughout the HF passband. A 3in voice coil, 15in LF driver was used to complement the sonic character and output of the HF driver. All MK5300i models are carefully voiced to sound similar, permitting diverse horn patterns to be mixed throughout an installation while maintaining the same sonic quality. The result is clean, high-fidelity output at significantly higher levels than would be expected from loudspeakers of this size and price.

Users can select between single-amp and bi-amp (external processor) operating modes. In either operating mode, EAW's beamwidth-matching crossover/filter design delivers even power response throughout the crossover region, eliminating the discontinuities that plague other two-way loudspeakers. The MK5300i Series systems are the larger companions to the MK2300i Series systems. Enclosures for both series are the same height, facilitating installation where more than one horn pattern and/or type of loudspeaker capability is needed. In addition, SBK Series subwoofers also share this height, creating attractive arrays that use EAW's preconfigured accessory flybar.

### INSIDE EAW TECHNOLOGIES

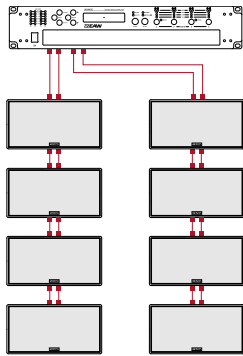


## RECOMMENDED AMPLIFIER CONFIGURATION

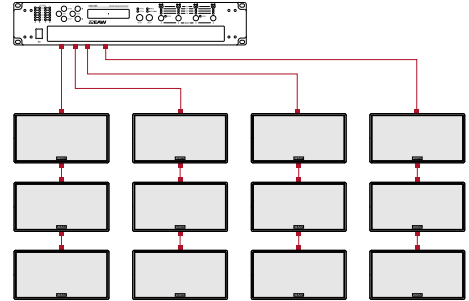
EAW strongly recommends utilizing the processing setting to take full advantage of your speakers. Pair with EAW UXA Amps for the best performance of EAW Technologies.

UXA4410

BI-AMP



PASSIVE



BI-AMP

MODEL	PER CHANNEL	PER AMPLIFIER
UXA4410	3	6

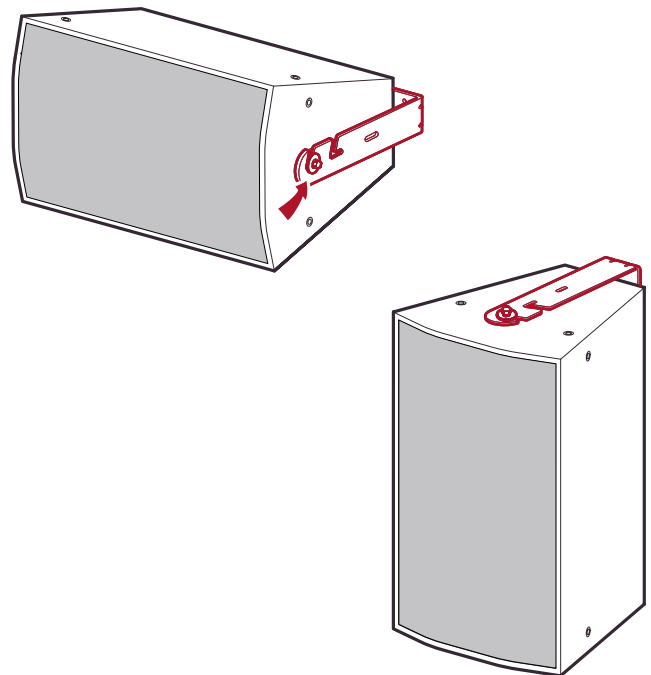
PASSIVE

MODEL	PER CHANNEL	PER AMPLIFIER
UXA4410	3	12

## RIGGING CONFIGURATION

### MOUNTING HARDWARE & ACCESSORIES

DESCRIPTION	PART NUMBER
ACC Eye Bolt 0.375-16 X 1.25 in [ACC-EB3825]	104001
Black U-Bracket MK2(5)000 [UBKT2353]	0007869
White U-Bracket MK2(5)000 [UBKT2353]	0015076



### Third-Party Compatible

BRAND	MODEL
Adaptive Tech	MM-60/MM-120

## TECHNICAL SPECIFICATIONS

## 2-WAY FULL-RANGE LOUDSPEAKERS

PERFORMANCE	MK5326i	MK5364i	MK5366i	MK5394i	MK5396i	MK5399i
<b>Max SPL<sup>1</sup></b>	139dB	140dB	139dB	140dB	139dB	139dB
<b>Operating Range<sup>2</sup></b>	48-17kHz	48-17kHz	48-17kHz	48-16kHz	48-19kHz	48-18kHz
<b>Nominal Beamwidth<sup>3</sup></b> Horizontal x Vertical	120° x 60°	60° x 45°	60° x 60°	90° x 45°	90° x 60°	90° x 90°
<b>Nominal Phase</b>	±15° from ideal high-pass filter					
<b>Input Impedance<sup>4</sup></b>	<b>LF/HF:</b> 8Ω <b>LF:</b> 8Ω <b>HF:</b> 8Ω					
<b>Accelerated Life Test<sup>5</sup></b>						
LF/HF	80V			800W		
LF	80V			800W		
HF	34.6V			150W		
<b>Axial Sensitivity<sup>6</sup></b>						
LF/HF	98dB			48 Hz to 17 kHz		
LF	98dB			65 Hz to 1400 Hz		
HF	105dB			1200 Hz to 17 kHz		
CONFIGURATION	MK5326i	MK5364i	MK5366i	MK5394i	MK5396i	MK5399i
<b>HF Transducer, Loading</b>	1.4in exit, 3in voice coil compression driver, horn-loaded					
<b>LF Transducer, Loading</b>	15in cone, vented					
<b>Operating Modes</b>	<b>Amplifier Channels</b>			<b>External Signal Processing</b>		
Single Amp	LF/HF			High Pass Filter		
Bi-Amp	LF, HF			DSP with EAW Focusing		
PHYSICAL	MK5326i	MK5364i	MK5366i	MK5394i	MK5396i	MK5399i
<b>Material</b>	Exterior grade Baltic birch plywood with wear-resistant textured black paint					
<b>Physical/Rigging</b>	15 x 3/8in-16 Mounting Points and 4 x 5/16in-18 Multimount MM-120 Points					
<b>Dimensions (HxWxD)</b>	30 x 18.71 x 19.73in (762 x 475.2 x 501.1mm)					
<b>Net/Shipping Weight</b>	77 lb (34.9 kg)/ 87 lb (39.5 kg)					
<b>Input Connector</b>	6-Pin Terminal Strip In + Out					
ORDERING	MK5326i	MK5364i	MK5366i	MK5394i	MK5396i	MK5399i
<b>Part Numbers:</b> <i>Black</i>	2040040-90	2040043-90	2040046-90	2040049-90	2040052-90	2040055-90
<i>White</i>	2040041-90	2040044-90	2040047-90	2040050-90	2040053-90	2040056-90
<b>Weather Protected (WP) Black</b>	2040042-90	2040045-90	2040048-90	2040051-90	2040054-90	2040057-90
<b>Weather Protected (WP) White</b>	2070793-90	2070794-90	2042215-90	2070795-90	2049934-90	2042212-90
<b>Custom Colors</b>	Available upon request. Contact your EAW sales representative.					

1 Calculated max SPL at 1m with 4:1 (12dB) crest factor pink noise. Specified as whole space (free field) for full range loudspeakers, half space for subwoofers.

2 Operating Range: Range where the processed Frequency Response stays within -10 dB SPL of the power averaged SPL within this range; measured on the geometric axis. Narrow band dips are excepted.

3 Nominal Beamwidth: Design angle for the -6 dB SPL points, referenced to 0 dB SPL as the highest level.

4 Nominal Impedance: Selected 4, 8, or 16 ohm resistance such that the minimum impedance point is no more than 20% below this resistance over the Operating Range.

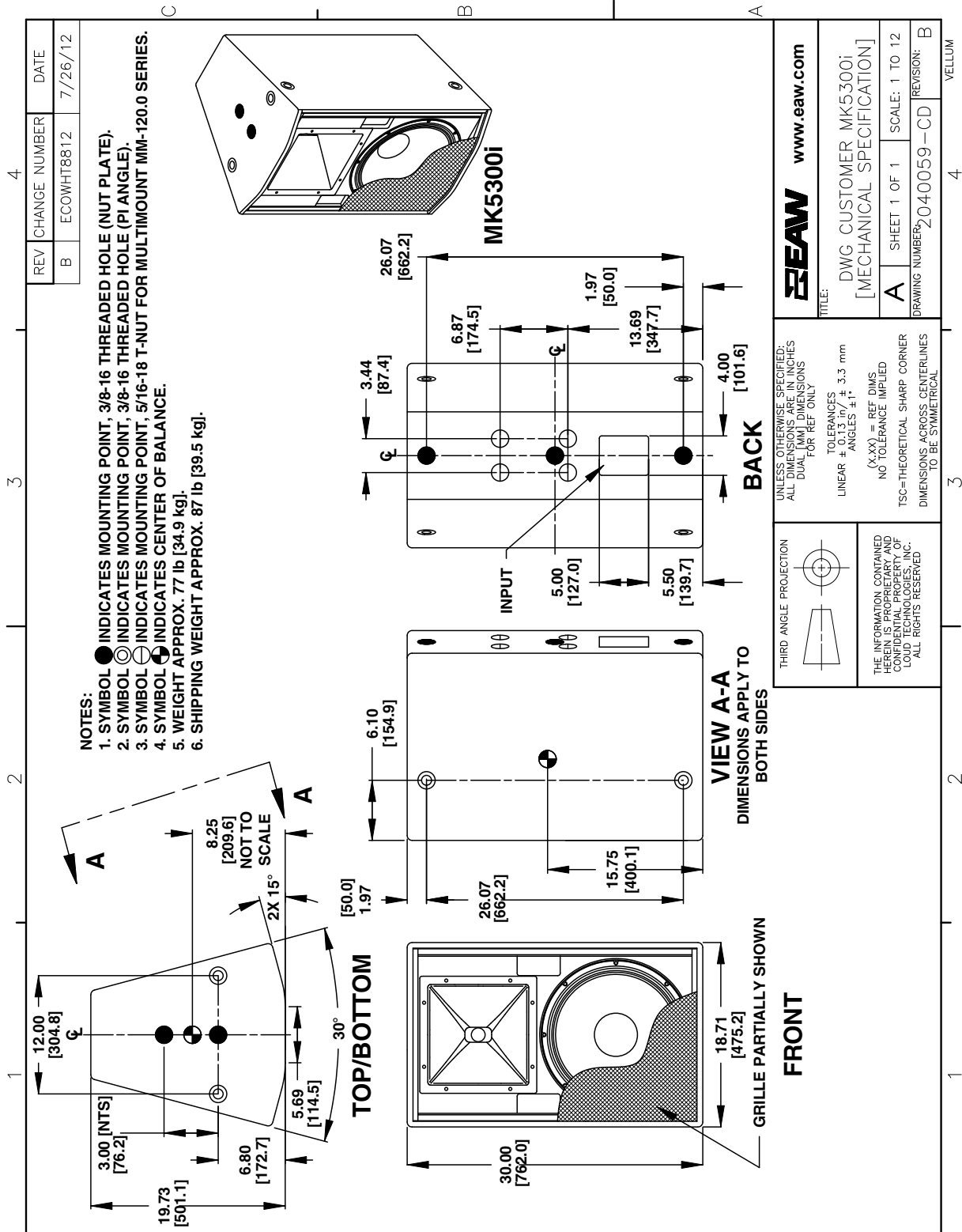
5 Accelerated Life Test: Maximum test input voltage applied with an EIA-426B defined spectrum; measured with recommended signal processing and Recommended Protection Filter.

6 Axial Sensitivity: Power averaged SPL over the Operating Range with an input voltage that would produce 1 W at the nominal impedance; measured with no external processing on the geometric axis, referenced to 1 m.

FOR PERFORMANCE GRAPHS, SEE ACOUSTICAL DATA DOCUMENT

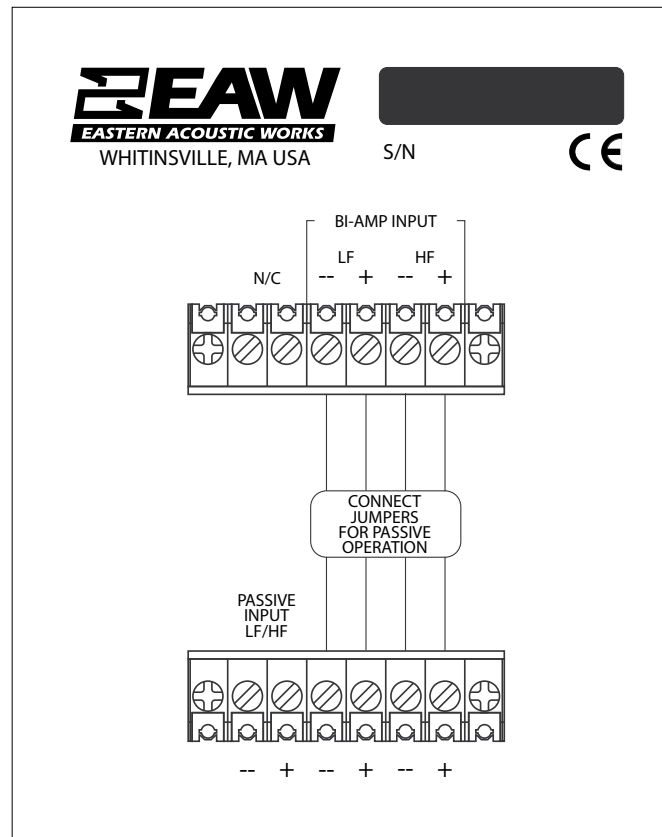
## ENCLOSURE

- Material Exterior-grade Baltic birch plywood
- Finish Wear resistant textured black paint
- Grille Powder-coated perforated steel

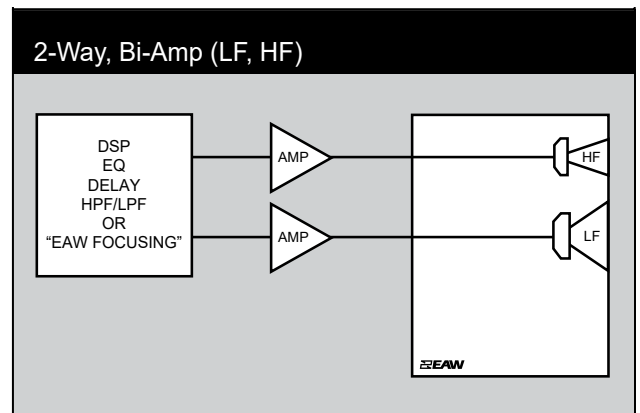
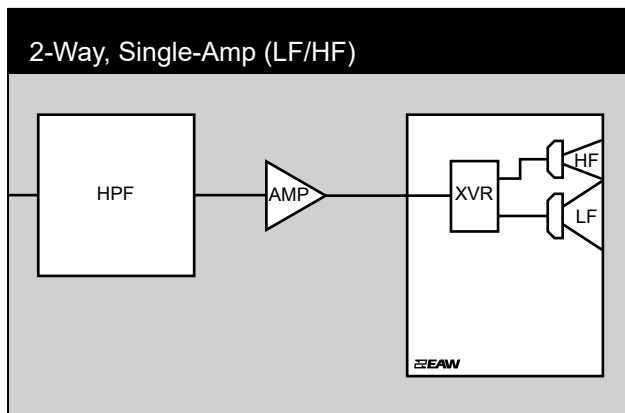


**NOTE:** This drawing has been reduced. Do not scale.

INPUT PANEL



SIGNAL DIAGRAM



Signal Diagram Abbreviations & Definitions

<b>HPF</b>	High Pass Filter for crossover or Recommended High Pass Filter
<b>LPF</b>	Low Pass Filter for crossover
<b>LF/MF/HF</b>	Low Frequency / Mid Frequency / High Frequency
<b>AMP</b>	User Supplied Power Amplifier –or– Integral Amplifier
<b>XVR</b>	Passive LPFs, HPFs, and EQ integral to the loudspeaker
<b>EAW Focusing</b>	Digital Signal Processor capable of implementing EAW Focusing



One Main Street  
Whitinsville, MA 01588  
Tel 800 992 5013 / +1 508 234 6158

[www.eaw.com](http://www.eaw.com)

