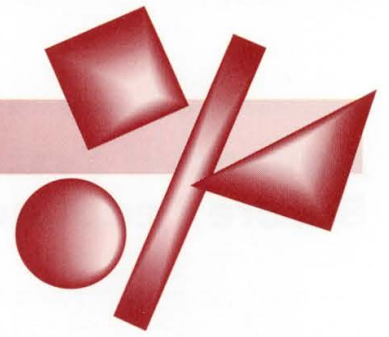
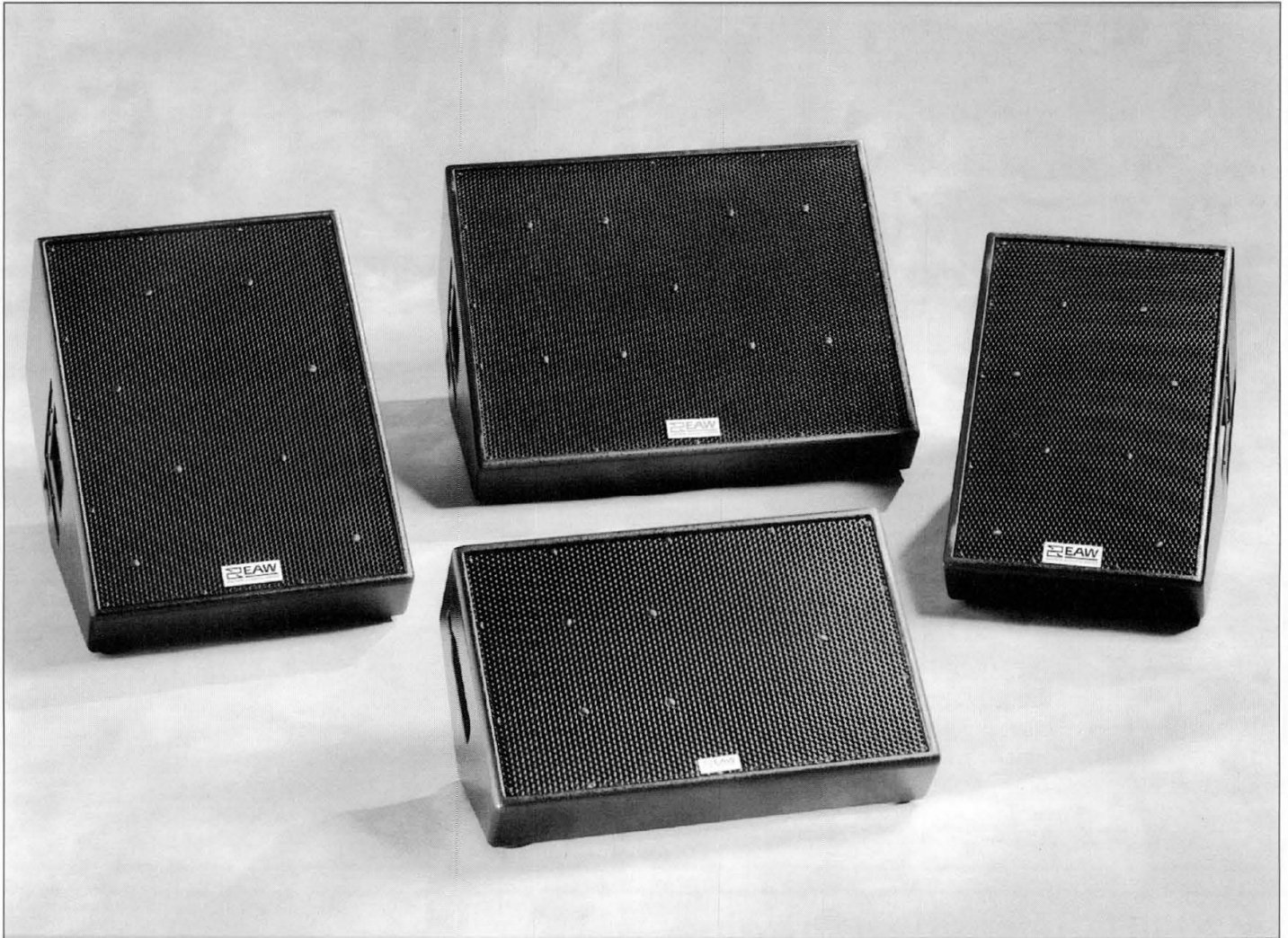


**FORSYTHE SERIES**



# **SM Concert Series**

**High Definition Stage Monitor Systems**



**Ultimate Performance In  
Professional Applications**

**EA****AW**  
**EASTERN ACOUSTIC WORKS**

One Main Street, Whitinsville, MA 01588 ■ 508/234 - 6158 ■ FAX 508/234 - 8251

# Advanced Systems Deliver Exceptionally High Gain Before Feedback, Low Distortion and Defined Coverage

Fifteen years' engineering research into stage monitor design and manufacture went into the design of our new SM Concert Series High Definition Stage Monitors. Drivers and loading techniques, cabinets, hardware and electronics—every aspect of the total system has been optimized to provide the clearest, most dynamic performance reference source available. Each SM Concert Series configuration has been designed for a specific set of applications.

## SM200iH

The 1 x 12" two-way SM200iH has an ultra-low-profile design that is gaining rapid acceptance among video production professionals. Like other High Definition Stage Monitors, the SM200iH employs a newly developed low-distortion titanium diaphragm compression driver. This advanced two-inch compression driver is coupled to the air using EAW's unique WGP™ high-

frequency subsystem. The WGP™ has less throat distortion than conventional horns, producing a more natural sound. Its 90° conical coverage pattern gives the artist greater freedom of movement than allowed by ordinary horn-loaded designs.

Along with an expanded coverage area, the SM200iH exhibits extraordinary resistance to feedback. Thanks to EAW's design philosophy of flat power response across the operating bandwidth, SM200iH's will play loud enough for any concert stage without radical equalization and time-consuming "tweaking" of notch filters.

## SM260V

In certain situations, tight directional control is more important than visually unobtrusive design. For these applications, the SM260V loads the advanced EAW compression driver with a 60°

constant coverage horn. The 12" woofer is designed for high power handling, enabling the SM260V to "cut" through all but the highest stage volumes.

## SM400H & SM500V

For those who need even greater output, EAW's new 2 x 12" SM400 and 1 x 15" SM500 High Definition Stage Monitors offer higher power handling capacity. The specially-designed EAW low-distortion compression driver is loaded with a 60° high frequency horn. These driver combinations extend low frequency response and boost maximum SPL, making the SM400 or SM500 excellent choices for drum and keyboard monitoring, or for vocal monitors where stage volume is extremely high.

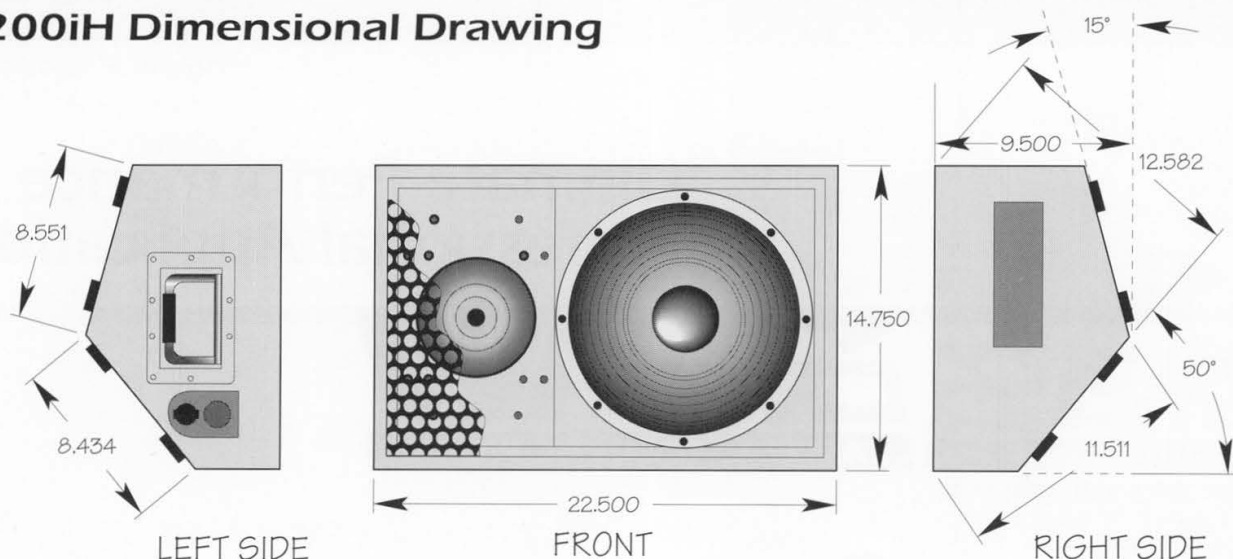
## Integrated Active & Passive Electronics

SM Concert Series monitors are switchable from full range passive to bi-amped operation. Bi-amplified mode provides slightly higher peak output and extended bass response. Specific MX200i Closely Coupled Electronic Processor configurations are available for all SM

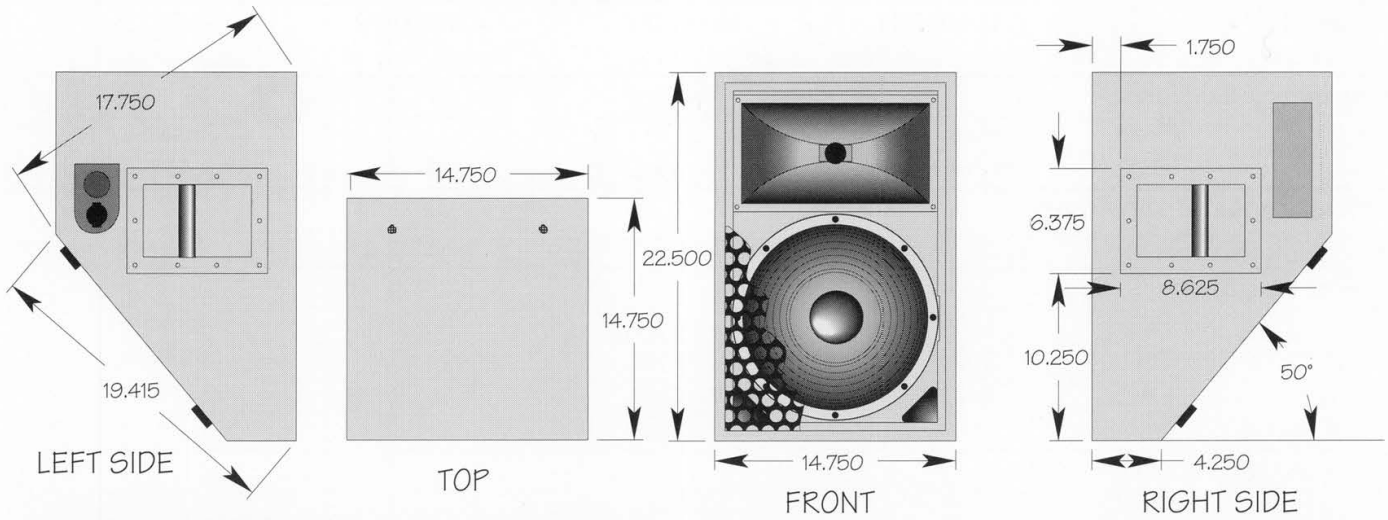
Concert Series systems. Each system's internal passive electronics are designed to function in both modes of operation. Equalization and driver protection are incorporated into the networks to optimize power response and overall reliability.



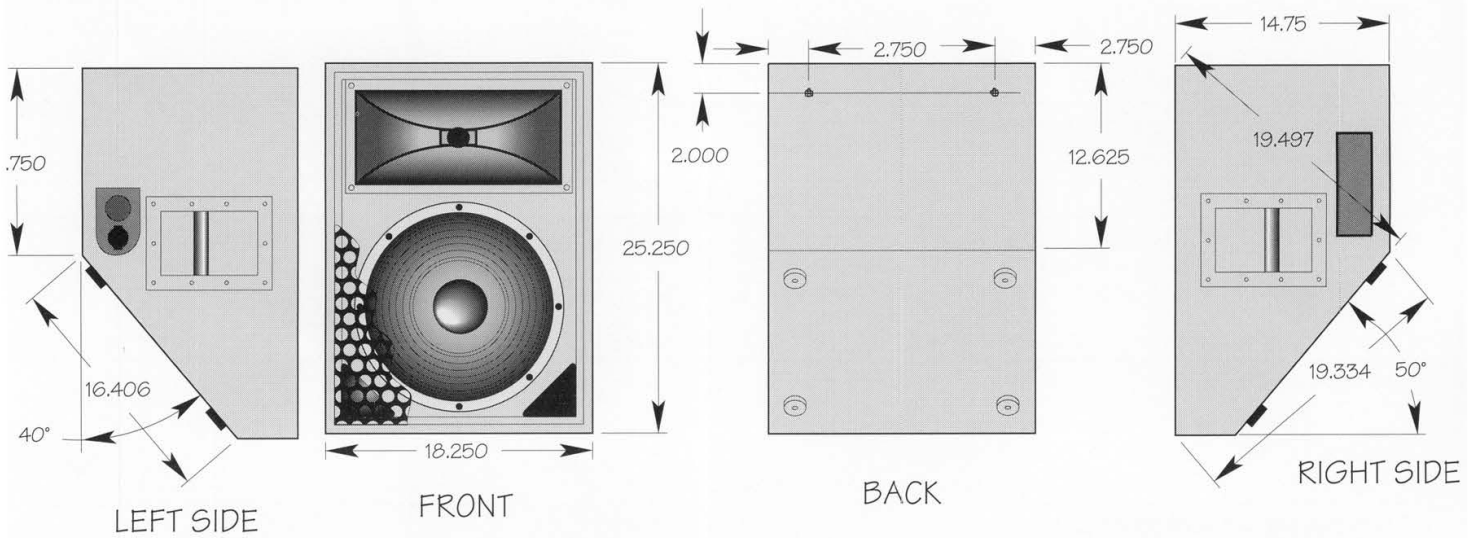
## SM200iH Dimensional Drawing



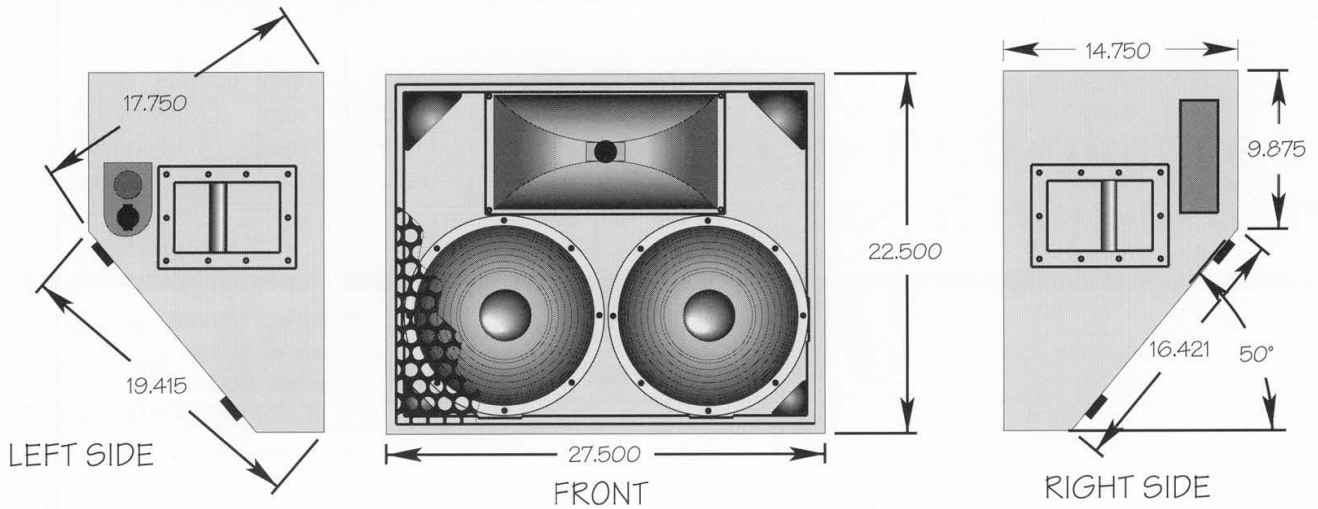
## SM260V Dimensional Drawing



## SM500V Dimensional Drawing



## SM400H Dimensional Drawing



## Specifications

Model	SM200iH	SM260V	SM500V	SM400H
Description	Single 12-in 90°	Single 12-in 60°	Single 15-in 60°	Dual 12-in 60°
<b>Frequency Response</b>				
+3 dB:	70 Hz to 18 k Hz	70 Hz to 18 k Hz	65 Hz to 18 k Hz	60 Hz to 18 k Hz
- 10 dB:	58 Hz	52 Hz	50 Hz	45 Hz
<b>Efficiency/Axial Sensitivity</b>				
SPL 1W @ 1m:	98 db SPL	98 db SPL	98 db SPL	101 db SPL
<b>Power Handling</b>				
LF AES:	500 Watts	500 Watts	750 Watts	1000 Watts
LF 100 Hr Sine Wave:	200 Watts	200 Watts	300 Watts	400 Watts
HF AES:	200 Watts	200 Watts	200 Watts	200 Watts
HF 100 Hr Sine Wave:	80 Watts	80 Watts	80 Watts	80 Watts
<b>Nominal Impedance</b>				
HF:	6	12	12	12
LF:	6	8	8	4
Full Range Passive:	6	8	8	8
<b>Maximum Output</b>				
Peak:	125 dB SPL	125 dB SPL	127 dB SPL	131 dB SPL
Long Term:	121 dB SPL	121 dB SPL	123 dB SPL	127 dB SPL
<b>Nominal Coverage Angles (-6 dB)</b>				
Horizontal:	90°	60°	60°	60°
Vertical:	90°	45°	45°	45°
<b>General Information</b>				
HF Subsystem:	2-in Exit Compression Driver on WGP	2-in Exit Compression Driver on 60° Horn	2-in Exit Compression Driver on 60° Horn	2-in Exit Compression Driver on 60° Horn
LF Subsystem:	1x 12-in Vented	1x 12-in Vented	1x 15-in Vented	2x 12-in Vented
<b>Crossover Data</b>				
Powering Mode:	Switchable Bi-amp or Passive	Switchable Bi-amp or Passive	Switchable Biamp or Passive	Switchable Bi-amp or Passive
MX Crossover Config:	MX200-2	MX200-26M	MX200-5M	MX200-4M
<b>Additional Descriptive Data</b>				
Finish:	Black Catalyzed Polyurethane Chemical Coating			
Connectors:	Dual NL4 (on each side) & AP4 M&F			
Grill:	Vinyl Coated Perforated Steel			
<b>Dimensions &amp; Weights</b>				
Front Height:	14.750 in (375 mm)	22.500 in (572 mm)	22.250 in (565 mm)	22.500 in (572 mm)
Width:	22.500 in (572 mm)	14.750 in (375 mm)	18.250 in (464 mm)	27.500 in (699 mm)
Depth:	9.500 in (214 mm)	14.750 in (375 mm)	14.750 in (375 mm)	14.750 in (375 mm)
Min. Stage Height:	12.582 in (320 mm)	17.750 in (451 mm)	19.500 in (495 mm)	17.750 in (451 mm)
Net Weight:	62 lbs. (28.1 kg)	72 lbs. (32.7 kg)	81 lbs. (36.8 kg)	92 lbs. (41.8 kg)
Shipping Weight:	68 lbs. (30.9 kg)	78 lbs. (35.5 kg)	89 lbs. (40.5 kg)	98 lbs. (44.5 kg)



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