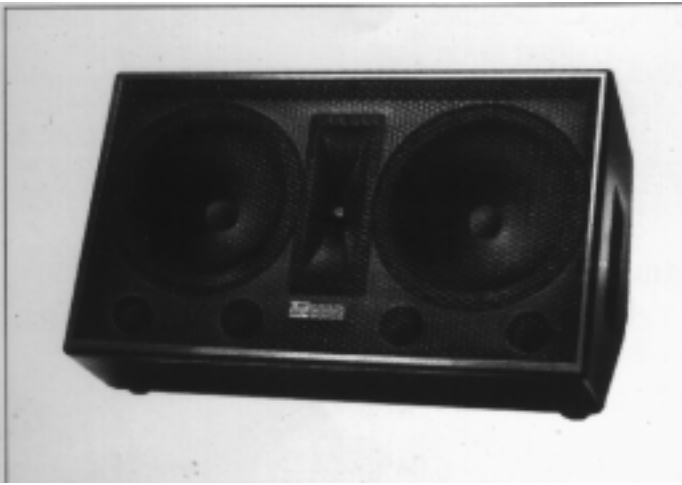


FORSYTHE SERIES

EAW SM202T & SM155T Professional High Output Stage Slant Monitor Systems



SM202T

The SM202T is built around a unique dual 10 inch woofer design that permits exceptionally high output capabilities and very flat response through the vocal region in a compact enclosure with excellent sight lines. It is the result of an effort by EAW engineers to provide performance similar to our world famous SM600/SM222 concert sound stage monitor in a smaller package and at a much lower price. As a result the SM202T offers more vocal band gain before feedback with a minimum of equalization than any other monitor anywhere **near its price** or size.

With 103 dB sensitivity (one watt at one meter) and 450 watts power handling the SM202T can produce 129.5 dB SPL at one meter due to the high efficiency of the dual 10 inch driver design. The small diaphragm woofers combined with a complex Forsythe designed crossover network result in exceptionally flat frequency response (+- 2dB) over the critical vocal band increasing the usable gain before feedback and reducing the need for equalization.

The SM202T also features a multi angle enclosure that has been optimized for use in all popular performer/ microphone /monitor configurations with very low stage height for excellent sight lines. The perforated steel grill



SMI 55T

The SM155T is EAW's iteration of the classic 15 inch two-way stage monitor incorporating advanced technology in the drivers and crossover elements for improved accuracy and output capabilities. This design produces extended low frequency output making it ideal for use in applications where full bandwidth reproduction is required for the stage foldback system. The complex third order Forsythe designed crossover utilizes asymmetrical slopes to equalize response through the crossover region for flatter response and more gain before feedback.

The new RCF PRO L15/864 features one of the highest conversion efficiency specs of any cone driver on the market which translates directly into more output even with smaller amplifiers. This advanced low frequency driver is combined with the new RCF N482 compression driver utilizing a titanium diaphragm for unmatched high frequency output and bandwidth. The constant horizontal coverage high frequency horn maintains 100 degree coverage enabling the performer to hear the full sound spectrum over a very wide working area. As with all EAW professional stage systems, construction quality standards are the best in the industry with birch hardwood cabinetry, catalyzed polyurethane

Forsythe Series SM202T & SM155T High Output Stage Monitor Systems

Specifications	SM202T	SM155T
Frequency Response		
- 10 dB:	55 - 21,000 Hz	40 - 21,000 Hz
+ - 3dB:	70 - 17,000 Hz	50 - 17,000 Hz
Coverage Angle		
Horizontal:	70 degrees	100 degrees
Vertical:	40 degrees	50 degrees
Axial Sensitivity:	103 dB SPL 1w@1m	101 dB SPL 1w@1m
Power Handling		
AES Standard:	450 watts	400 watts
100 H Sine Wave:	200 watts	175 watts
Reference Efficiency		
Half Space:	4.6%	6.06%
Maximum Output		
SPL Peak:	129.5 dB @ 1m	127 dB @ 1m
SPL Long Term:	126 dB @ 1m	123.5 dB @1m
Acoustic Watts LF:	20.7	24.2
Nominal Impedance:	4Ω	8Ω
Low Frequency Section Data		
Driver:	2x RCF PRO L10/561 51 mm Voice Coil	RCF PRO L15/864K 64 mm Voice Coil
Enclosure Type:	Optimally vented	Optimally Vented
High Frequency Section Data		
Driver:	RCF N482 44.5 mm Titanium Diaphragm	RCF N482 44.5 mm Titanium Diaphragm
Horn:	RCF H2006/A1321	RCF H3709
Crossover Data		
Frequency:	1,500 Hz	1,000 Hz
Nominal Slope:	18 dB/octave	18 dB/octave
Type:	Equalized Third Order	Equalized Third Order
Additional Descriptive Data		
Enclosure Volume:	2.8 ft ³ Vented	3.5 ft ³ Vented
Enclosure Material:	Cross-grain-laminated birch hardwood	
Enclosure Finish:	Catalyzed black polyurethane chemical coating	
Standard Connectors:	Dual 1/4 inch phone plugs & banana plugs	
Optional Connectors:	EP-4	