

Forsythe Series Stage Monitors SM122M SM202P SM155P

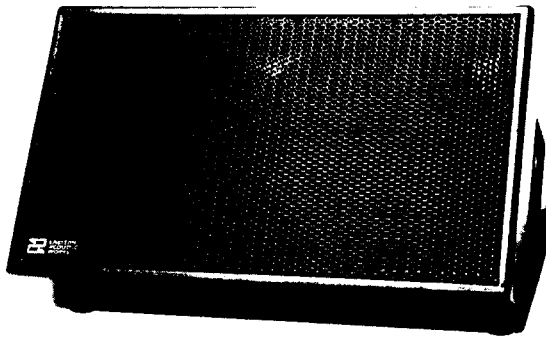
Introduction

Eastern Acoustic Works offers the world's most complete line of slant stage monitor systems on the market today. They bring to market the wealth of application experience EAW acquired as the result of our longstanding relationships with many of the world's leading sound hire companies. The SM122M, SM202P and SM155P are EAW's latest generation of compact professional stage monitor systems. All of these systems include drivers and passive crossovers as standard, making use as easy as connecting it to your amp. For applications that require larger monitors we suggest you examine EAW's Custom/Industrial stage monitor systems.

SM122M Stage Monitor

The SM122M is EAW's lowest cost stage monitor system. It uses an RCF L12/565 300mm (12 in) woofer and an RCF N252F high frequency compression driver and horn. This two way system brings within everyone's budget many of the features that have made EAW the leader in concert stage monitor systems. Standard features of the SM122M include all birch-ply construction, perforated steel grill, complex third order equalized crossover network, exceptionally smooth mid-band response (+- 1.5 dB) and natural voice reproduction.

The SM122M's N252F high frequency horn/driver makes use of space age magnetic fluid to improve voice coil heat transfer for high power handling during high sound pressure sound levels. The complex crossover eliminates output robbing frequency response spikes, greatly simplifying eq requirements during use.

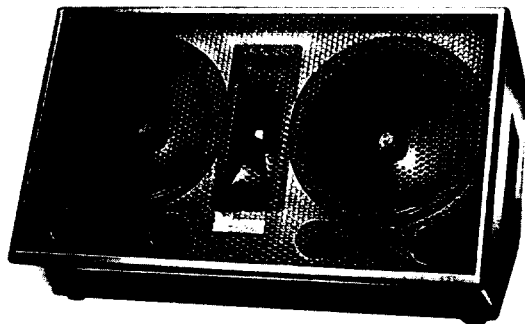


SM122M

SM202P Stage Monitor System

The SM202P offers the highest output capabilities of any monitor system near its size. It is ideal for applications where you need a monitor with tight coverage and very high vocal range output. System sensitivity is 105 dB with 1 watt and it will handle over 400 watts. The SM202P also features a very low profile for excellent sight lines. Like all EAW stage monitors, the SM202P has exceptionally smooth response permitting maximum output before feedback.

The SM202P's high output capabilities are the result of dual RCF L10/560 250 mm (10 in) low frequency drivers which produce 103 dB SPL at 1 meter with 1 watt input. High frequencies are handled by an RCF N481 high technology compression driver mounted on the tight coverage H2006/A2 horn.



SM202P

SM155P Stage Monitor System

The SM155P is a classic 15 inch two way stage monitor offering wide bandwidth for applications where low frequency output in the monitor system is critical. The complex equalized third order crossover network enables the SM155P to provide more output before feedback than conventional stage monitors. The perforated steel grill protects the driver regardless of what happens on stage.

Advanced RCF Professional Series drivers enable the SM155P to provide extremely low distortion at all sound pressure levels. The low frequencies are handled by an RCF PRO L15/542 380 mm (15 in) driver mounted in an optimally vented enclosure. Frequencies above 1,200 Hz are produced by the RCF N481 compression driver mounted on the RCF H3709 horn. The H3709 provides constant 100 degree coverage in the horizontal plane.

Forsythe Series Stage Monitors



SM155P

Model:	SM122M	SM202P	SM155P
Frequency Range (-10 dB):	50 to 20,000 Hz	55 to 18,000 Hz	40 to 18,000 Hz
Frequency Response (+- 3 dB):	65 to 16,000 Hz	70 to 17,000 Hz	48 to 17,000 Hz
Axial Sensitivity (1w @ 1m):	98 dB SPL	103 dB SPL	98 dB SPL
Half Space Efficiency:	2.33%	4.6%	3.7%
Power Handling			
AES Standard:	250 watts	400 watts	375 watts
Sine Wave:	100 watts	200 watts	150 watts
Nominal Impedance:	8Ω	4Ω	8Ω
Horizontal Coverage Angle:	130 degrees	70 degrees	100 degrees
Vertical Coverage Angle:	50 degrees	40 degrees	50 degrees
Maximum SPL:	121 dB SPL	129 dB SPL	123.5 dB SPL
Maximum Acoustic Output:	5.8 acoustic watts	18.4 acoustic watts	13.8 acoustic watts
Transducer Complement			
Low Frequency:	RCF L12/565	2x RCF L10/561	RCF L15/542
High Frequency:	RCF N252F	RCF N481/H2006-1	RCF N481/H3709
Crossover Data			
Type:	Third Order Equalized	Third Order Equalized	Third Order Equalized
Slope:	18 dB / Octave	18 dB / Octave	18 dB / Octave
Frequency:	3,300 Hz	1,5000 Hz	1,000 Hz
Enclosure Type:	Vented	Vented	Vented
Enclosure Volume:	2.5 ft ³	2.8 ft ³	3.5 ft ³

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