

The Forsythe Series: KF-550

"One Box" Horn-Loaded Full Range System



For Applications That Require The Best!

The EAW Forsythe Series KF-550 is a high definition, three-way, sound reinforcement loudspeaker system. It's "One Box" design permits ease of transport and also insures optimum driver alignment and integration for a maximally flat frequency and phase response. Its size and packaging vs. sonic output and fidelity make the KF-550 the most usable, modular building block for large touring sound applications on the market today.

The three horns integral to the KF-550 were developed by Kenton Forsythe and conform precisely to the mathematical models by using a proprietary, polyurethane foam, reinforced hardwood construction technique. This results in exceptionally smooth air loaded impedance characteristics for a smooth frequency response and efficiency unmatched by other. high fidelity systems.

Frequency Response	Single Unit	Quad Array
- 10 dB:	42 to 18k Hz	35 to 18k Hz
+ 3 dB:	55 to 14k Hz	45 to 14k Hz
Sensitivity:	109 dB SPL 1w@ 1m	
Coverage Angle		
Horizontal:	80 degrees - 6 dB	
Vertical:	40 degrees - 6 dB	
Maximum SPL:	131 dB with 6 dB headroom	
Crossover Data		
LF Band Limit:	35 Hz 18dB /octave	
LF/MF:	250 Hz 18dB/ octave	
MF/HF,	1,500 Hz 18dB/ octave	
Low Frequency - Driver:	(2) RCF LAB L15/554 380mm (15 in)	
Power Handling		
100 Hour Sine Wave:	400w	
100 Hour IEC Noise:	800w	
AES Standard:	1000w	
Horn Type:	Forsythe designed dual driver, bent horn	
Nominal Impedance:	4 ohms	
Mid Frequency - Driver:	(1) RCF LAB L12 P11W 300mm (12 in)	
Power Handling		
100 Hour Sine Wave:	150w	
100 Hour IEC Noise:	300w	
AES Standard:	375w	
Horn Type-	Forsythe designed constant hori- zontal coverage, mid bass horn with integral displacement plug	
Nominal Impedance:	8 ohms	

High Frequency - Driver:	(1) Two inch exit Compression Driver JBL 2445 (user supplied) or TAD 4001 (user supplied)
Power Handling:	100w Pink Noise
Horn Type:	Forsythe designed, Constant Horizontal coverage horn
Nominal Impedance:	16 ohms
General - Finish:	Catalyzed Black Polyurethane
Construction:	Cross-Grain Laminated Birch Hardwood with Polyurathane Reinforcing
Connectors:	Cannon EP-8-14 Male and Female plus Banana Plug Test Points
Flying Hardware:	One EAW Flying Strip per Side Enables Eight Different Angles with Two Straps
Hardware:	Six Heavy Duty Recessed Handles Optional Transport Cover Slant Back Provided for Optional Castors
Transport:	Simple Tilt and Roll Transport
Dimensions:	825nun H x 1365mm W x 756mm D
Weight:	32.5" H x 533/4"W x 293/4'D Net: 210 - 325 lbs Shipping: 220 - 340 lbs (depending on configuration)