FORSYTHE SERIES

BH852

Low Frequency Stadium Array System

NEW PRODUCT PRELIMINARY DATA

Frequency Response

System Only:	100 to 550 Hz ± 1.5 dB
-10 dB:	65 Hz

Efficiency / Axial Sensitivity

1 W @ 1m:	109 dB SPL

Impedance

4 (Nominal)

Power Handling

100 hr. Sine Wave:	800 Watts
AES Standard:	2,000 Watts

Maximum Output

Peak SPL:	142 dB SPL
Long Term:	138 dB SPL

Nominal Coverage Angles (-6 dB)

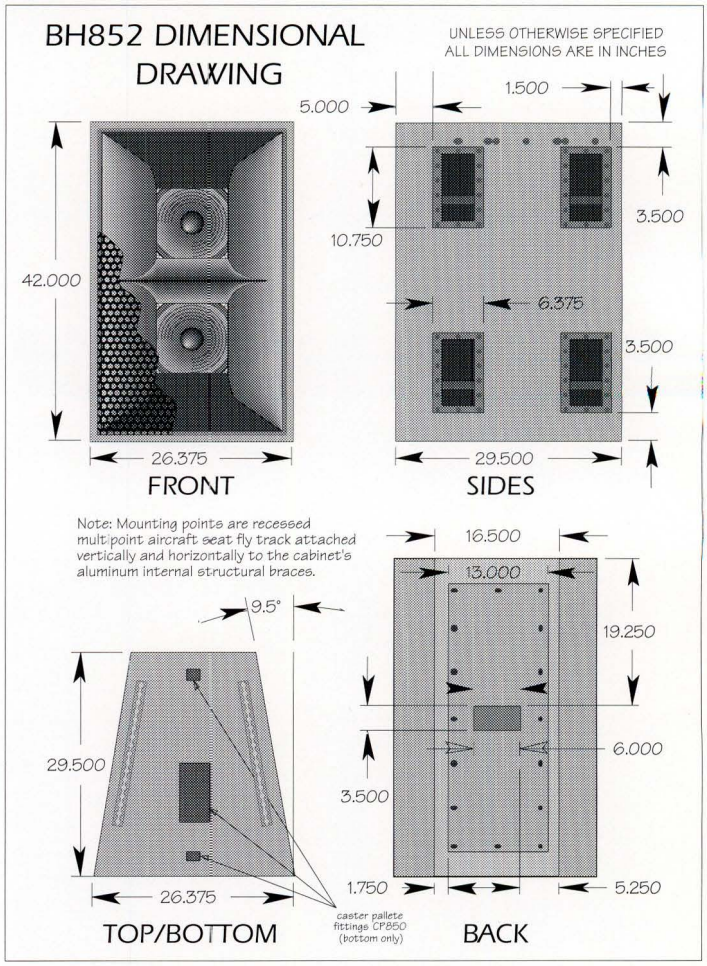
Horizontal:	90 degrees
Vertical:	60 degrees

Additional Descriptive Data

Subsystem:	2x 15-in Horn Loaded
Standard Configuration:	MX800i-852E
Powering Mode:	Tri-Amp with KF852E
Finish:	Black Catalyzed Polyurethane Coating
Connectors:	AP6 M&F, Banana Test Points
Grill:	Vinyl Coated Perforated Steel
Rigging:	AirCargo 20864 Track With Internal Subframe, 2x Track Top & Bottom
System Shape:	Trapezoidal

Preliminary Dimensions & Weights

Height:	42.0 in (1066.8 mm)
Width:	26.38 in (670 mm)
Depth:	29.5 in (749.3 mm)
Back Width:	16.5 in (419.1 mm)
Net Weight:	235 lbs. (105.6 Kg)
Shipping Weight:	250 lbs. (112.5 Kg)



Engineered to complement the KF852E Mid/High Virtual Array® System, the new BH852 Low Frequency VA® System is an essential component of advanced Stadium Array Series systems. The BH852 low frequency system includes two 15" woofers on EAW's unique foam-reinforced wood veneer horns. For increased long term power handling and reliability, these proprietary woofers are designed with air-vented magnet structures. To maintain the world-renowned arrayability of the Stadium Array Series, enclosures and coverage patterns precisely match the industry-standard KF850.

As a fully compatible supplement to KF850 arrays, the KF852E/BH852 combination allows the operator greater flexibility in designing array formats. Arrays and array sections can easily be tailored to the diverse demands of different venues and types of event.

EAW
EASTERN ACOUSTIC WORKS
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Printed In USA

FORSYTHE SERIES

KF852E

Mid/High Stadium Array System

NEW PRODUCT PRELIMINARY DATA

Frequency Response

System Only:	200 to 17 kHz ± 1.5dB
-10 dB:	130 Hz

Efficiency / Axial Sensitivity

MF 1 W @ 1m:	114 dB SPL
HF 1 w @ 1m:	112 dB SPL

Impedance

MF/HF:	8 (Nominal)

Power Handling

MF 100 hr. Sine Wave:	300 Watts
HF 100 hr. Sine Wave:	70 Watts
MF AES Standard:	800 Watts
HF AES Standard:	200 Watts

Maximum Output

MF Peak SPL:	143 dB SPL
HF Peak SPL:	135 dB SPL
MF Long Term:	138 dB SPL
HF Long Term:	130 dB SPL

Nominal Coverage Angles (-6 dB)

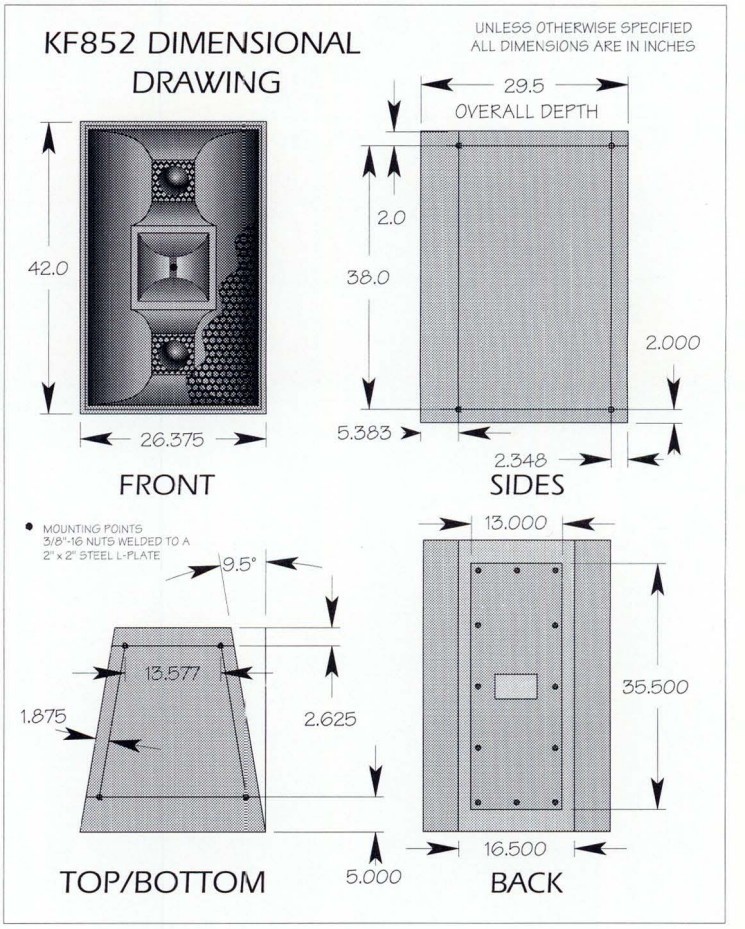
Horizontal:	55 degrees
Vertical:	40 degrees

Additional Descriptive Data

MF Subsystem:	2x 10-in Cone Horn Loaded
HF Subsystem:	CD5002 2-in Exit / Horn
Standard Configuration:	MX800i-852E
Powering Mode:	Tri-Amp with BH852
Finish:	Black Catalyzed Polyurethane Coating
Connectors:	AP6 M&F, Banana Test Points
Grill:	Vinyl Coated Perforated Steel
Rigging:	AirCargo 20864 Track With Internal Subframe, 2x Track Top & Bottom
System Shape:	Trapezoidal

Preliminary Dimensions & Weights

Height:	42.0 in	(1066.8 mm)
Width:	26.38 in	(670 mm)
Depth:	29.5 in	(749.3 mm)
Back Width:	16.5 in	(419.1 mm)
Net Weight:	231 lbs	(103.0 Kg)
Shipping Weight:	246 lbs	(110.7 Kg)



The new KF852E Mid/High Virtual Array® System has been specifically engineered to complement the BH852 Low Frequency Stadium Array System and the SB850 subwoofer. For low distortion and transparent high frequency reproduction, the KF852E Mid/High VA® system includes EAW's new low distortion ferrofluid-damped CD5002 2" exit compression driver. The midrange subsystem includes a pair of 10" mid/bass cones loaded on Kenton G. Forsythe's unique foam-reinforced wood veneer horn and displacement plug. With enclosure dimensions and coverage patterns that precisely match the industry-standard KF850, the KF852 and BH852 extend Virtual Array Technology in new directions. Stadium Array systems incorporating these new systems are easily scalable from medium-size halls to large arenas and outdoor events.

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