



# TECHNICAL SPECIFICATIONS SB850F

## DESCRIPTION

A dedicated subwoofer system with 2x 18-in transducers in a trapezoidal enclosure. Each driver is in its own optimally vented subenclosure. "F" flown array version features handles, flytracks and internal counterweights.

## APPLICATIONS

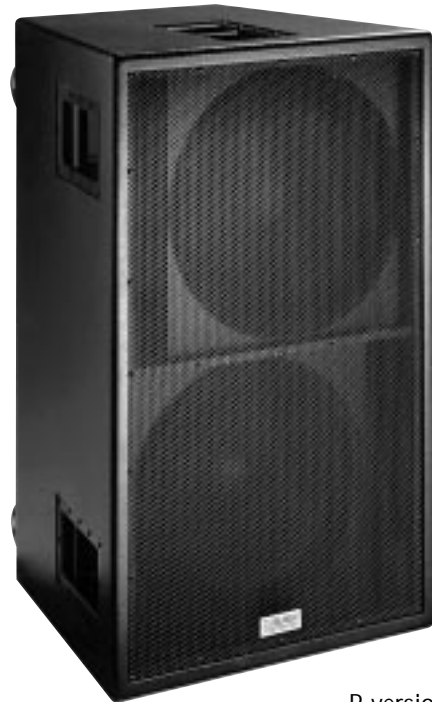
The SB850 high output Stadium Array subwoofer integrates with KF Series Stadium Array systems to form extended range flown arrays. 19-position flytracks and internal counterweights ensure a "dead hang." Tuned enclosure venting extends LF response and minimizes driver strain. MX Series processors extend LF response and safeguard against cone excursion damage. Six Year Warranty.

Applications include:

- Concert Tours
- Major Televised Events
- Corporate Events

## DESCRIPTIVE DATA

Part Number	999106
Product Group	S
Sub Subsystem & Loading	2x 18-in, Separate Vented Subenclosures
System Configuration	Dedicated Subwoofer for Flown Arrays
Recommended High-Pass Frequency (24 dB/Octave)	20Hz
Cabinet Type (shape)	Trapezoidal
Enclosure Materials	Baltic Birch Plywood
Finish	Black Catalyzed Polyurethane
Connectors	1 each male and female AP4
Suspension Hardware	4x 19 position flytrack (2 each top and bottom)
Grill	Vinyl Coated Perforated Steel with foam backing
Options	179001 Flyclip with ring 179002 Flyclip with hook CP850 Caster Pallet (255010)



R version shown

## NOMINAL DATA

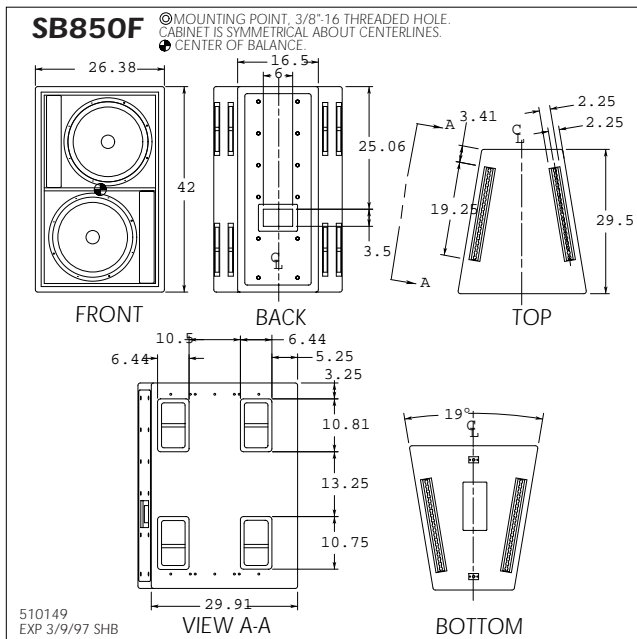
<b>Frequency Response (Hz)</b>		
±3 dB	32Hz (39Hz w/out CCEP) to 150Hz	
-10 dB	27Hz (30Hz w/out CCEP)	
<b>Axial Sensitivity (dB SPL/1 Watt/1m)</b>		
Sub	99	
<b>Impedance (Ohms)</b>		
Sub	4 or 2 x 8	
<b>Power Handling (Watts)</b>		
Sub AES Standard	2000	
<b>Calculated Maximum Output (dB SPL, @ 1m)</b>		
Sub Peak	138.0	
Sub Long Term	132.0	
<b>Dimensions</b>		
	<b>inches</b>	<b>millimeters</b>
Height	42	1067
Width	26.375	670
Width (Front)	26.375	670
Width (Rear)	16.5	419
Depth	29.5	749
Trapezoid Angle	9.5 degrees per side	
<b>Weights</b>		
	<b>pounds</b>	<b>kilograms</b>
Net Weight	???	0.5
Shipping Weight	???	0.5





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## DIMENSIONAL DRAWING



## SERVICE ITEMS

**Sub: Complete Cone Driver**

EAW Part No. 804041(R,RD2)  
804059(F)

**Filter/Crossover Network: Complete Assembly**

EAW Part No. 201073(RD2)  
201273(FD2)  
201425(R [NL4])

## ARCHITECTURAL SPECIFICATIONS

The sub bass loudspeaker systems shall incorporate 2x 18-in LF transducers mounted in separate vented subenclosures tuned for optimum low frequency response.

System frequency response shall vary no more than  $\pm 3$  dB from 32 Hz to 150 Hz measured on axis with appropriate signal processing. The loudspeaker shall produce a Sound Pressure Level (SPL) of 99 dB SPL on axis at 1 meter with a power input of 1 Watt, and shall be capable of producing a peak output of 138 SPL on axis at 1 meter. The loudspeaker shall handle 2000 Watts of amplifier power (AES Standard) and shall have a nominal impedance of 4 (2x 8) Ohms.

The loudspeaker enclosure shall be trapezoidal in shape. It shall be constructed of 15mm thickness void-free cross-grain-laminated Baltic birch plywood and shall employ extensive internal bracing. It shall be finished in black catalyzed polyurethane. Input connectors shall be one each male and female AP4. A total of 4x 19-position flytracks (2 each top and bottom) shall be provided. The front of the loudspeaker shall be covered with a vinyl coated perforated steel grill backed with open cell foam to protect against dust.

The sub bass loudspeaker shall be the EAW model SB850F.