



## TECHNICAL SPECIFICATIONS SB750F

### FEATURES

- VA<sup>4</sup>™ subwoofer system
- 2x 18-in woofers, vented
- F version optimized to fly with KF700 Series arrays

### DESCRIPTION

A dedicated subwoofer system with 2x 18-in transducers in a vented trapezoidal enclosure. An SB750F enclosure shares the same footprint as a KF700 Series module and is almost exactly one-and-a-half times its height, meaning that a two-high column of flown SB750's is exactly the same height as a three-high column of flown KF700 Series modules.

At less than 200 lbs. per enclosure, SB750F's offers users the flexibility of adding them to flown arrays without adding inordinate weight.

### APPLICATIONS

While many users will choose to deploy the SB750F in groundstacked clusters, the system is engineered to work with KF700 Series array modules in flown arrays. Some array configurations allow the creation of dipolar subwoofer arrays to improve pattern control in the lower octaves.

In addition to sharing dimensions as discussed above, the SB750F features identical four-position flytracks as well as the stacking pad that joins stacked enclosures during both groundstacked applications and transport. Each SB750F comes with 4x cable links of the proper length for arraying with KF700 Series modules. It also uses the same caster pallet (CP700) as the KF700 Series modules. Six year warranty.

Applications include:

Major Televised Events  
Concert Tours  
Corporate Events  
Large Theaters  
Large Arenas  
Large Dance Clubs



### DESCRIPTIVE DATA

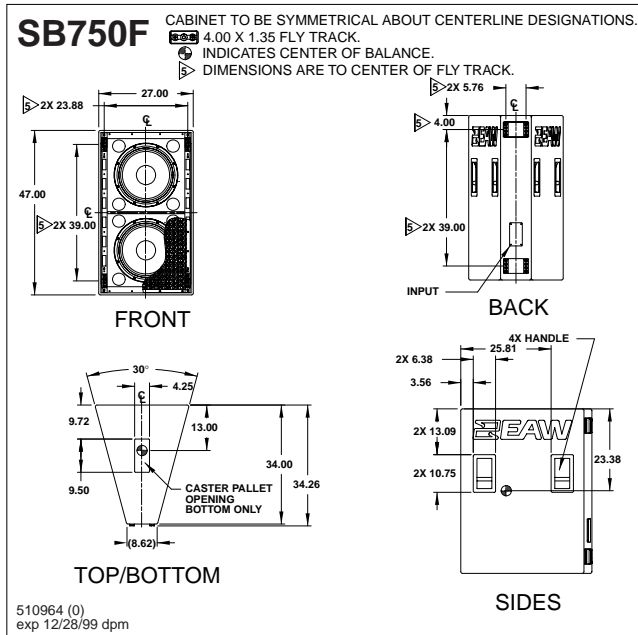
Configuration	Dedicated Subwoofer	
Sub Bass Subsystem	2 x 18-in, Vented	
Cabinet Type (shape)	Trapezoidal	
Enclosure Materials	Baltic Birch Plywood	
Finish	Black Polyurethane	
Connectors	2x Neutrik NL4 Speakon	
Suspension Hardware	(8) 4-Position flytrack (4 front corners and 4 rear corners)	
Grill	Powder-Coated Perforated Steel	
Dimensions	<b>inches</b>	<b>millimeters</b>
	Height	47.00 1194
	Width (front)	27.00 686
	Width (rear)	8.78 223
	Depth	34.00 864
Trapezoid Angle (degrees per side)	15	
Weights	<b>pounds</b>	<b>kilograms</b>
	Net Weight	193 87.8
	Shipping Weight	202 91.9
Companion Systems		
Full Range	KF750F	
Downfill	KF755F	
Accessories	CP700 Caster Pallet	





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## DIMENSIONAL DRAWING



## NOMINAL DATA

Frequency Response (1 W @ 1m)	
±3 dB	32 Hz to 100 Hz (45 Hz to 100 Hz w/out CCEP™)
-10 dB	24 Hz
Axial Sensitivity (dB SPL, 1 Watt @ 1m)	
Sub Bass	101
Impedance (Ohms)	
Sub Bass	2x 8
Power Handling, AES Standard (Watts)	
Sub Bass	1600
Calculated Maximum Output (dB SPL)	
Sub Bass Peak	139.0
Sub Bass Long Term	133.0
Recommended High-Pass Frequency	
24 dB/Octave	25 Hz

## ARCHITECTURAL SPECIFICATIONS

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

System frequency response shall vary no more than  $\pm 3$  dB from 30 Hz to 150 Hz measured on axis with appropriate signal processing. The loudspeaker shall produce a Sound Pressure Level (SPL) of 101 dB SPL on axis at 1 meter with a and shall be capable of producing a peak output of 139 SPL on axis at 1 meter. The loudspeaker shall handle 1600 (2x 800) 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 polyurethane. Input connectors shall be Neutrik NL4 Speakon. A total of 8x 4-position flytracks (1 each front and rear corners) shall be provided. The front of the loudspeaker shall be covered with a powder coated perforated steel grill.

The sub bass loudspeaker shall be the EAW model SB750F.

## INPUT PLATE

