



## SPECIFICATIONS SB180

### DESCRIPTION

A dedicated subwoofer system with an 18-in transducer in a compact vented rectangular enclosure. Available in a portable version ('R' with handles and NL4 connectors) or a permanent installation version ('P' with mounting/suspension points).

### APPLICATIONS

The SB180 provides high output sub bass response in a compact enclosure. Tuned enclosure venting extends LF response and minimizes driver strain. MX Series processors extend LF response and safeguard against cone excursion damage. Comprehensive mounting/suspension points. Six year warranty.

Applications include:

- Band PA
- Ballroom Events
- MultiMedia
- Boardrooms
- Restaurants
- Small Retail Spaces

### PERFORMANCE

<b>Frequency Response (Hz)</b>		
±3 db	27 Hz to 250 Hz	(36 Hz w/out CCEP)
-10 dB	23 Hz	(25 Hz w/out CCEP)
<b>Axial Sensitivity (dB SPL/1 Watt/1m)</b>		
	96	
<b>Impedance (Ohms)</b>		
	8	
<b>Power Handling (Watts)</b>		
AES Standard	1000	
<b>Calculated Maximum Output (dB SPL, @ 1m)</b>		
Peak	132.0	
Long Term	126.0	



### PHYSICAL

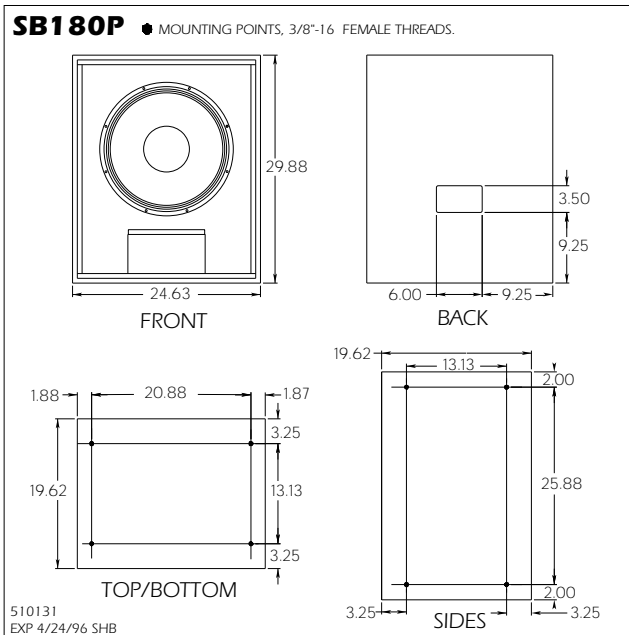
Part Number	999069 (P) 999070 (R)	
Product Group		
Components & Loading	1x18-in, vented	
System Configuration	Dedicated subwoofer	
Recommended High-Pass Frequency (24 dB/Octave)	20 Hz	
Cabinet Type (shape)	Rectangular	
Enclosure Materials	Baltic birch plywood	
Finish	Black catalyzed polyurethane	
Connectors	P: 2-terminal barrier strip R: (2) Neutrik NL4 Speakon	
Suspension Hardware	P: (16) 3/8"-16 threaded mounting/suspension points (4 each top, bottom, sides) R: no points, handles, corner protectors	
Grille	Vinyl coated perforated steel	
<b>Dimensions</b>	<b>inches</b>	<b>millimeters</b>
	Height	29.88 759
	Width	24.63 625
	Depth	19.62 502
<b>Weights</b>	<b>pounds</b>	<b>kilograms</b>
	Net Weight	95 43.2
	Shipping Weight	105 47.8





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## DIMENSIONAL DRAWING



## SERVICE ITEMS

### Sub: Complete Cone Driver

EAW Part No. 804041

## A & E SPECIFICATIONS

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

System frequency response shall vary no more than  $\pm 3$  dB from 27 Hz to 250 Hz measured on axis with appropriate signal processing. The loudspeaker shall produce a Sound Pressure Level (SPL) of 96 dB SPL on axis at 1 meter with a power input of 1 Watt, and shall be capable of producing a peak output of 132 SPL on axis at 1 meter. The loudspeaker shall handle 1000 Watts of amplifier power (AES Standard) and shall have a nominal impedance of 8 Ohms.

The loudspeaker enclosure shall be rectangular in shape. It shall be constructed of 1/2-in 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 2-terminal barrier strip. A total of sixteen 3/8"-16 threaded mounting/suspension points (4 each top, bottom, sides) shall be provided. The front of the loudspeaker shall be covered with a vinyl coated perforated steel grille.

The sub bass loudspeaker shall be the EAW model SB180P.