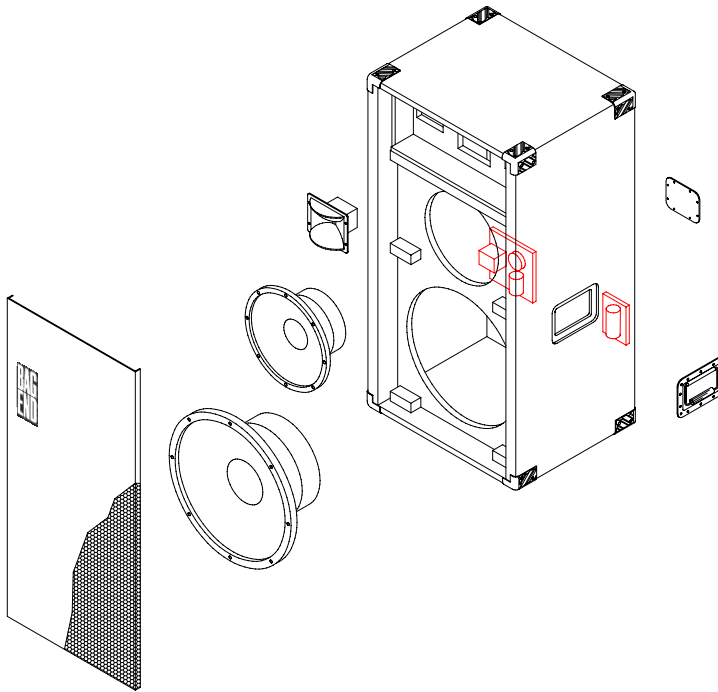


# BAG END

AF1-C

S P E C I F I C A T I O N S



## APPLICATION:

Electronic Keyboards  
Acoustic Guitar  
Electric Bass Guitar  
Drum Monitor  
Portable DJ Systems  
Portable PA Systems  
Auditorium Reinforcement

## ARCHITECTURAL SPECIFICATIONS

The loudspeaker shall be a 3-way ported type system with one 460mm (18") low-bass driver, one 300mm (12") midrange driver, and one 100mm x 150mm (4" x 6") high frequency horn tweeter. The low-bass driver shall have a 2.7kg (96oz) magnet with a rear vented back plate assembly and a 76mm (3") copper wound on a Kapton former voice coil. The midrange driver shall have an 80 oz (2.3kg) magnet with a rear vented back plate assembly and a 63.5mm (2.5") copper wound on a Kapton former voice coil. The high frequency horn tweeter shall have a phenolic diaphragm with a 25.4mm (1") voice coil linked to a 120° X 90° constant directivity horn tweeter. The frequency response shall be  $\pm 3\text{dB}$  from 40 Hz to 19 kHz. The system shall be Time-Aligned by E. M. Long Associates with a time offset at mid/hi crossover of  $\pm 25$  microseconds. The system shall have an average sensitivity of 103 dB SPL with 1 watt input at 1 meter. The system shall have a minimum power handling capacity of 300 watts continuous long term. The enclosure shall be made of 18mm (3/4") 7-ply poplar plywood with glued rabbet joints and internally dampened with 125 gram/inch<sup>2</sup> cotton dampening material. The Midrange driver shall be internally separated in its own 34 liter (1.2 foot<sup>3</sup>) sealed sub-chamber. The protective grille shall be vinyl coated 16 gauge perforated steel with 3.97mm (5/32") holes. The input connector plate shall be flush mounted in the back of the cabinet and shall include three 1/4" connectors and one double banana connectors. The system shall be full range passive or bi-amped by plugging into the direct access jack to the low bass driver. The cabinet shall be covered with durable black carpet which shall be tucked under the recessed handles and input connector plate and shall be furnished with protective interlocking corners. The unit shall have two flush mounted handles. Overall dimensions shall not exceed 110cm (43") h x 64cm (25") w x 51cm (20") d.

## SYSTEM COMPONENTS

**Cabinet:**  
3/4" 7-ply poplar plywood

**Drivers:**  
1 - 18" bass cone  
1 - 12" mid cone  
1 - Constant directivity horn tweeter

**Input Connectors:**  
1 - Banana  
2 - 1/4" phone  
1 - 1/4" switching phone

**Standard Hardware:**  
2 - handles  
8 - corners

## ACOUSTIC AND ELECTRICAL

**System Type:**  
Time Aligned<sup>®</sup> 3-way ported optionally bi-amped  
Bass section 6.2 ft<sup>3</sup>  
Mid section 1.2 ft<sup>3</sup>

**Impedance:**  
4  $\Omega$  full range operation  
8  $\Omega$  bi-amped low input  
8  $\Omega$  bi-amped high input

**Driver DCR:**  
Low 5.5 $\Omega$   
Mid 6.3 $\Omega$   
High 6 $\Omega$

**Crossover Network:**  
Time Align filter type at 3.3 kHz and 125Hz

**Frequency Response:**  
 $\pm 3\text{dB}$  40Hz to 19kHz

**Sensitivity:**  
103dB SPL/1 Watt/1 Meter

**Dispersion:**  
 $\pm 3\text{dB}$  90° Horizontal x 40° Vertical

**Power Handling Capacity:**  
300 Watts continuous sine wave (below 125Hz)  
1200 Watts instantaneous peak (below 125Hz)  
200 Watts continuous sine wave (above 125Hz) (below 125Hz)  
800 Watts instantaneous peak (above 125Hz)

## PHYSICAL

**Finish:**  
Black carpet

**Grille:**  
Black vinyl coated 16 gauge perforated steel

**Dimensions:**  
43.3"h x 22.3"w x 18"d  
110cm x 57cm x 46cm

**Weight:**  
133 lbs  
60.3 kg

**Shipping Dimensions:**  
45"h x 25"w x 20"d  
114cm x 64cm x 51cm

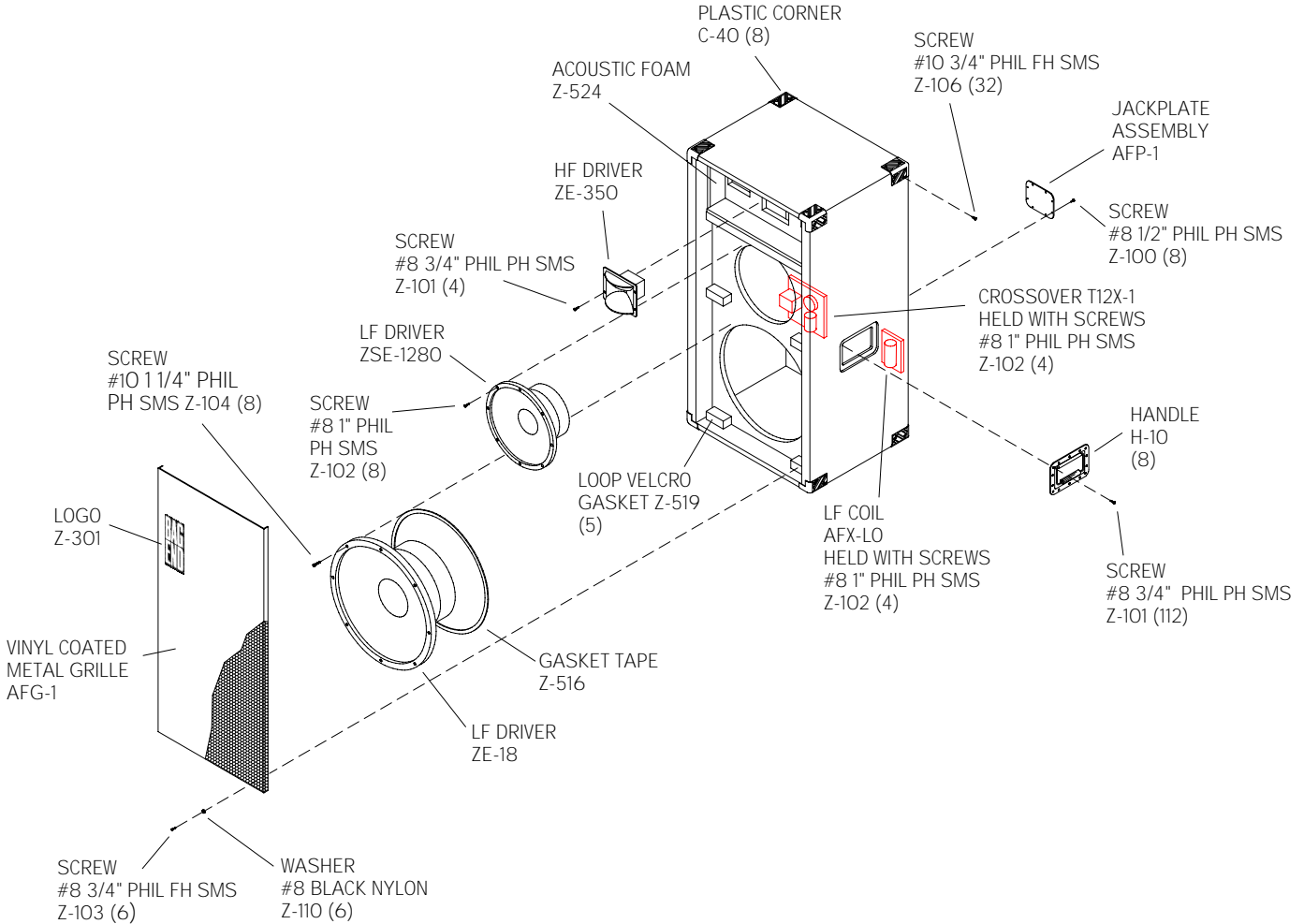
**Shipping Weight:**  
145 lbs  
65.8 kg



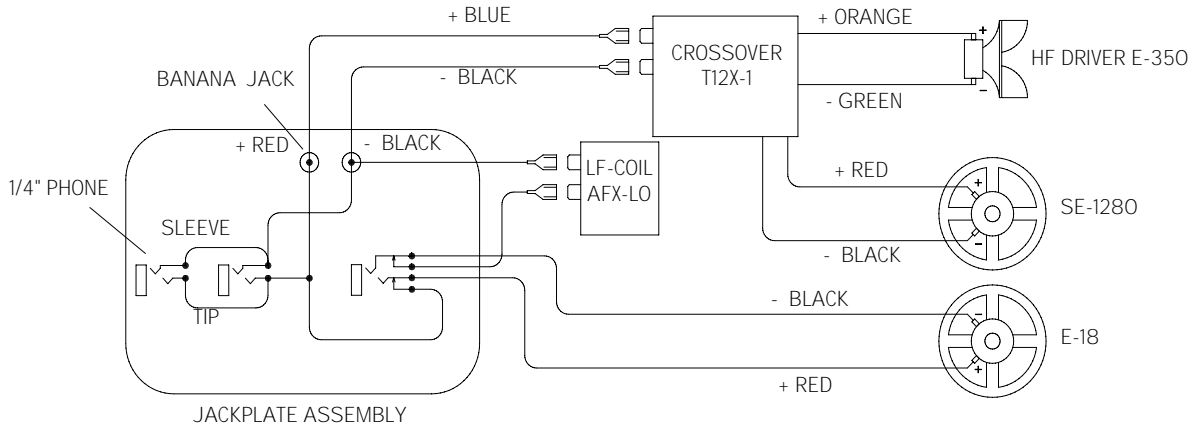
**BAG END Loudspeakers**  
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# AF1-C



## SYSTEM SCHEMATIC



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