

F SERIES

FB-100 SUBWOOFER



THE TOA FB-100 SUBWOOFER is the ideal solution for adding powerful low frequency enhancement to commercial, residential or retail sound systems.

The FB-100 features a high-performance tuned, ported enclosure with an acoustic bandpass filter design to eliminate the need for an external crossover. An omni-directional coverage pattern allows flexible placement — floor, wall, corner or ceiling.

The FB-100 has a heavy-duty 10" woofer for high power handling and extended low frequency response. The solidly constructed, paintable enclosure has a removable terminal block for loop-through terminations and six rigging points for suspended mounting. Options include a matching transformer for connection of the FB-100 to distributed speaker systems and a 900 Series Low Pass Filter Module for convenient system equalization. The FB-100 also carries a five year warranty.



HIGHLIGHTS

- **Low Frequency Enhancement**
for a wide variety of speaker system applications including hotels, houses of worship, museums, offices, residential spaces, restaurants, and retail stores.
- **Tuned, Ported Enclosure**
for deep bass and low distortion.
- **Acoustic Bandpass Filter Design**
eliminates need for external crossover.
- **Floor, Wall, Corner or Ceiling-Mount:**
omni-directional coverage allows flexible placement.
- **High Power Handling:**
450 W (Continuous Program)
- **Extended Low Frequency Response:**
35 - 160 Hz (-10 dB, 1/2 space)
- **High Sensitivity:**
94 dB SPL (1 W / 1 m, 1/2 space)
- **Heavy-Duty Loudspeaker Component:**
10" woofer with ferrite magnet and 2" aluminum voice coil for efficient heat dissipation.
- **Solid, Vibration-Free Construction,**
top-loaded for simplified maintenance.
- **Paintable Black Finish**
- **Removable Terminal Block with Loop-Through Terminations**
for convenient connection of parallel speakers.
- **Six Rigging Points**
for suspended mounting.
- **Five Year Warranty**

OPTIONAL ACCESSORIES

E-07S	900 Series Low Pass Filter Module for convenient system equalization
MT-S0601	Matching Transformer (60 W max.) for 70.7 V/100 V distributed speaker systems, mountable inside enclosure

SPECIFICATIONS

FB-100 SUBWOOFER

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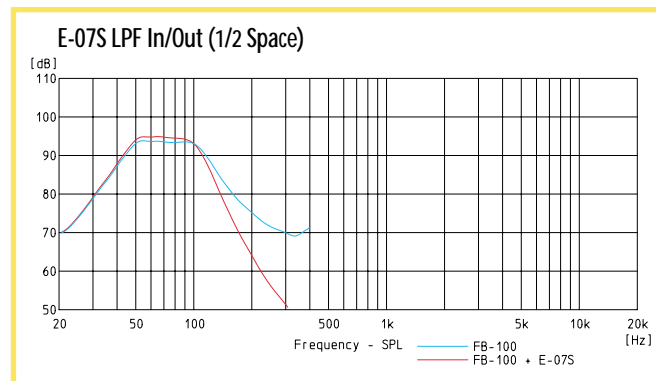
Model No.	FB-100
Enclosure Type	Port radiation, acoustic bandpass
Speaker Component	10" (25 cm) cone woofer with ferrite magnet, 2" aluminum voice coil, urethane surround
Impedance	8 Ω
Sensitivity (1 W / 1 m, 1/2 space)	94 dB SPL
Power Handling (40 - 200 Hz) Continuous Program: Continuous Pink Noise:	450 W 150 W
Frequency Response (-10 dB, 1/2 space)	35 - 160 Hz
Material / Finish	Medium density fiber-board, black urethane paint
Input Connector	Removable terminal block with screw terminals (AWG #14 - #24). Two pairs of (+)/(-) for input and loop-through terminations.
Mounting	Six rigging points (3/8")
Dimensions (W x H x D)	13.94" x 22.91" x 13.39" (354 mm x 582 mm x 340 mm)
Weight	35.3 lbs. (16 kg)
Options	E-07S 900 Series Low Pass Filter Output Module (100 Hz, -12 dB/oct.) MT-S0601 Matching Transformer: 70.7 V Line: 60 W, 30 W, 15 W, 7.5 W 100 V Line: 60 W, 30 W, 15 W

ARCHITECT'S & ENGINEER'S SPECIFICATIONS

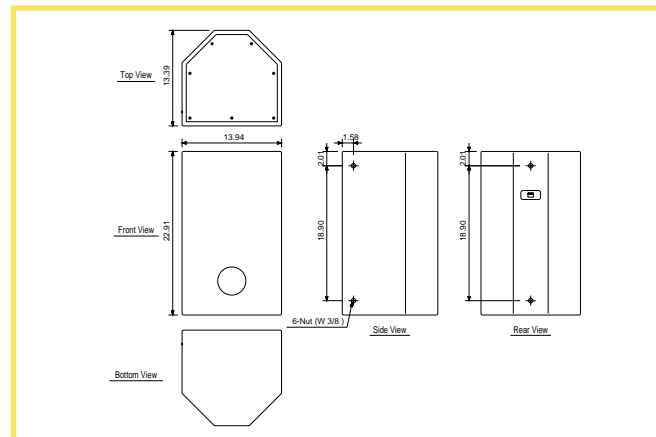
The subwoofer shall be a tuned, ported enclosure with acoustic bandpass filter design. The loudspeaker component shall have a diameter of 10" (25 cm) with ferrite magnet, 2" aluminum voice coil, urethane surround and a nominal impedance of 8 ohms. The rated power handling from 40 to 200 Hz shall be 450 W Continuous Program and 150 W Continuous Pink Noise. The frequency response shall be 35 - 160 Hz (-10 dB, 1/2 space). The output sound pressure level shall be 94 dB SPL (half-space) at a distance of one meter with one watt of input power applied. The subwoofer enclosure material shall be medium density fiber-board with black paint finish and six rigging points for suspended mounting. The input connector shall be a removable terminal block with screw terminals allowing two pairs of speaker wire for input and loop-through terminations. An optional low pass filter module shall be available for system equalization. An optional matching transformer shall be available for connecting the subwoofer to a distributed speaker system. The transformer shall mount inside the subwoofer enclosure with selectable wattage taps of 60 W, 30 W, 15 W and 7.5 W at 70.7 V line and 60 W, 30 W and 15 W at 100 V line. The enclosure dimensions shall be 13.94" W x 22.91" H x 13.39" D (354 mm x 582 mm x 340 mm) and the weight shall be 35.3 lbs. (16 kg).

The subwoofer shall be the TOA FB-100.

FREQUENCY RESPONSE



DIMENSIONAL DRAWING



Literature Order #: L-FB-100
Specifications subject to change without notice.
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