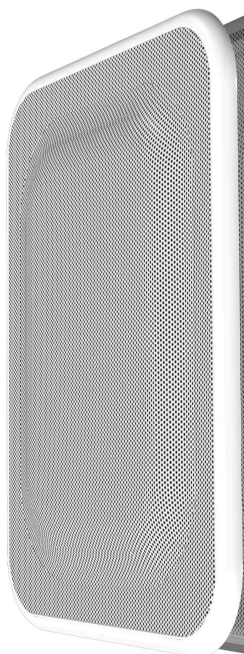


HB-1

SUB WOOFERSYSTEM



The HB-1 is a high-power, wall/ceiling-mounted subwoofer system employing a 20 cm speaker unit. Although small in size, the HB-1 provides clear super-low frequency sound reproduction thanks to its Acoustic Super Woofer enclosure construction.

Key features

- For undisturbed interior aesthetics
- Extremely small depth for flush-mounting
- High-power 8" woofer with 110 mm ferrite magnet and aluminum bobbin
- Acoustic super-woofer with acoustical bandpass filtering construction
- Thin-wall metal frame, with large interior volume for excellent low-frequency audio response, plus efficient heat dispersion
- Easy installation

Specifications

Enclosure	Acoustic Super Woofer
Power Handling	240 W (Continuous program, 40 - 200 Hz) 80 W (Continuous pink noise, 40 - 200 Hz)
Rated Impedance	8 Ω
Sound Pressure Level	91 dB (1 W, 1 m) installation in 1/2 free sound field (Measured by installing the unit in the center of a ceiling or wall.) 85 dB (1 W, 1 m) installation in free sound field (Measured in anechoic chamber.)
Frequency Response	45 - 200 Hz (-10 dB) installation in 1/2 free sound field (Measured by installing the unit in the center of a ceiling or wall.)
Speaker Component	20 cm cone speaker
Input Terminal	Detachable screw terminal, (+)/(-) 2 each (for bridging connection)
Cable Requirements	Solid cable, stranded cable: 0.2 - 2.5 m# (AWG No.24 - 14)
Finish	Enclosure: Steel plate, black, paint Front frame: Fire-resistant ABS resin, off-white, paint Punched net: Steel plate, off-white, paint Mounting bracket: Steel plate, black, paint
Dimensions	430 (W) x 544 (H) x 135 (D) mm
Weight	11 kg (including front grille and mounting bracket)
Included Accessories	Front frame.....1, Mounting bracket.....1set, Anchor piece.....2, Stud holder.....4, Screw.....1set
Optional Accessories	Matching transformer: MT-S0601 (rated 60 W)

A&E specifications

The subwoofer shall be a tuned, ported enclosure with acoustic bandpass filter design. The enclosure shall be compact and suitable for flush-mount installation in a space 14.17" x 18.9" (360 x 480 mm) and occupy a maximum depth of 4.1" (103 mm) including board thickness. The loudspeaker component shall have a diameter of 8" (20 cm) with ferrite magnet, rubber surround and a nominal impedance of 8 ohms. The rated power handling from 40 to 200 Hz (-10 dB) shall be 240 W Continuous Program and 80 W Continuous Pink Noise. The frequency response shall be 45 - 200 Hz (-10 dB, 1/2 space). The output sound pressure level shall be 91 dB SPL (half-space) at a distance of one m with one W of input power applied. The subwoofer enclosure shall be steel plate with a black paint finish. The grille frame shall be constructed of fire-resistant ABS resin with a white, paint-ready finish. The mounting bracket shall be of heavy duty steel construction. 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. Dimensions (W x H x D) shall be 16.93" x 21.42" x 5.32" (430 x 544 x 135 mm) and the weight shall be 24.25 lbs. (11 kg).

The subwoofer shall be TOA model HB-1.

The matching transformer shall be TOA model MT-S0601.