

## FB-08BT

### SUBWOOFER SYSTEM



The FB-08BT is an indoor subwoofer system featuring a high-performance 20 cm (8") driver. An integrated crossover network simplifies system configuration, allowing seamless integration with F-03/05 series speakers without the need for additional processors. This delivers powerful bass reproduction for a wide range of applications. The FB-08BT offers flexible installation options, supporting both low and high impedance connections. Optional mounting brackets are available for secure wall or ceiling mounting.

### Key features

- High-performance 8-inch indoor subwoofer system
- Powerful 20 cm (8") driver for robust bass reproduction
- Built-in crossover network for simplified system setup
- Seamless integration with F-03/05 series speakers without the need for external processors
- Versatile high/low impedance compatibility
- Optional brackets for wall or ceiling mounting

## Specifications

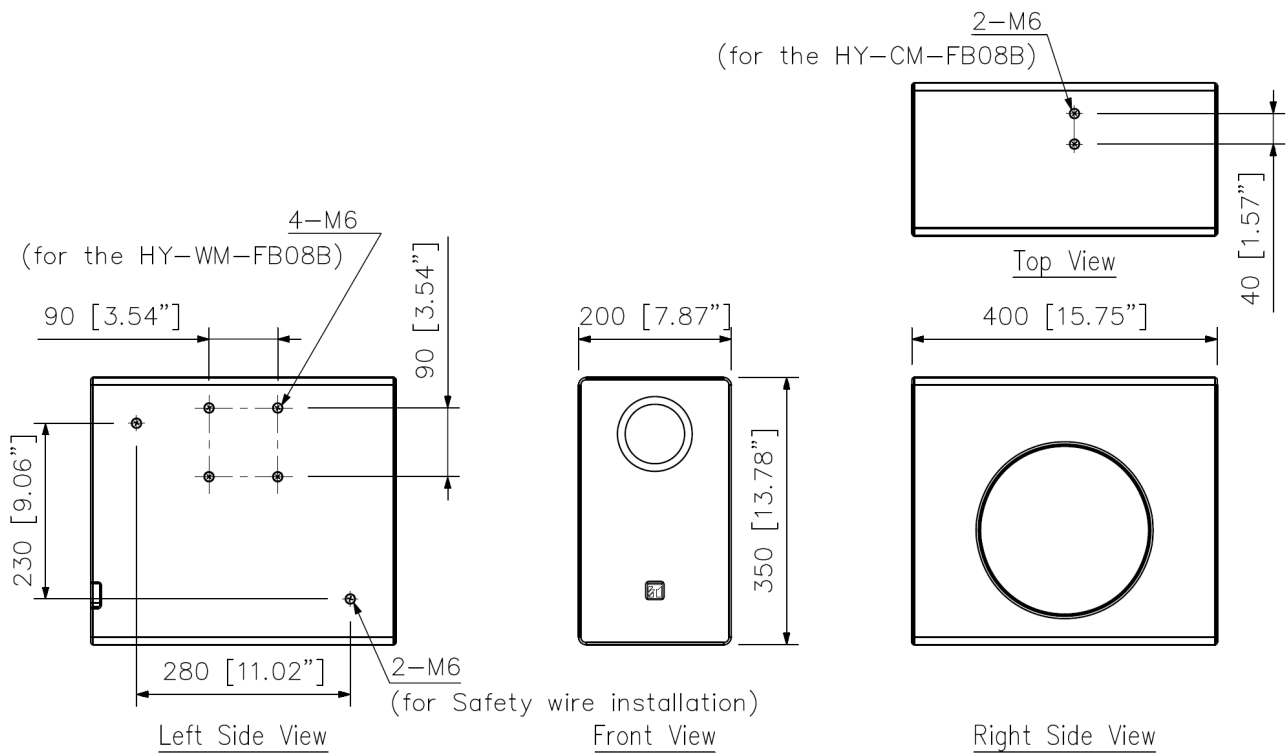
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|--------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Enclosure                | Bass-reflex type                                                                                                              |
| Rated Input              | 120 W (100 V line, 70 V line)                                                                                                 |
| Power Handling           | (*1)Rated noise power: 120 W (8 Ω)<br>Continuous program: 240 W (8 Ω)                                                         |
| Rated Impedance          | 8 Ω<br>100 V line: 83 Ω (120 W), 167 Ω (60 W)<br>70 V line: 50 Ω (100 W), 83 Ω (60 W), 167 Ω (30 W)                           |
| Sensitivity              | 84 dB (1 W, 1 m) at installation in free sound field<br>90 dB (1 W, 1 m) at installation in 1/2 free sound field              |
| Frequency Response       | 45 - 300 Hz, -10 dB at installation in 1/2 free sound field                                                                   |
| Speaker Component        | 20 cm (8") cone-type                                                                                                          |
| Input Terminal           | M4 screw terminal, distance between barriers: 9 mm (0.35")                                                                    |
| Installation Environment | Indoor installation                                                                                                           |
| Recommended Amplifier    | DA-250DH, DA-250FH, DA-500FH, A-5012 (*2)                                                                                     |
| Operating Temperature    | -10 °C to +50 °C (14 °F to 122 °F)                                                                                            |
| Finish                   | Enclosure: MDF, black (RAL 9011 equivalent), paint<br>Grille: Surface treated steel plate, black (RAL 9011 equivalent), paint |
| Dimensions               | 200 (W) x 350 (H) x 400 (D) mm (7.87" x 13.78" x 15.75")                                                                      |
| Weight                   | 16 kg (3.53 lb)                                                                                                               |
| Optional Accessories     | Subwoofer wall mounting bracket: HY-WM-FB08B<br>Subwoofer ceiling mounting bracket: HY-CM-FB08B                               |

(\*1) Rated noise power is defined by IEC60268-5. Continuous program is 3 dB above Rated noise power.

(\*2) When using the speaker in a high impedance system, it is highly recommended to pair it with the specified amplifiers. Failure to do so may result in reduced speaker performance, and the amplifier's protection features could cause sound interruptions.

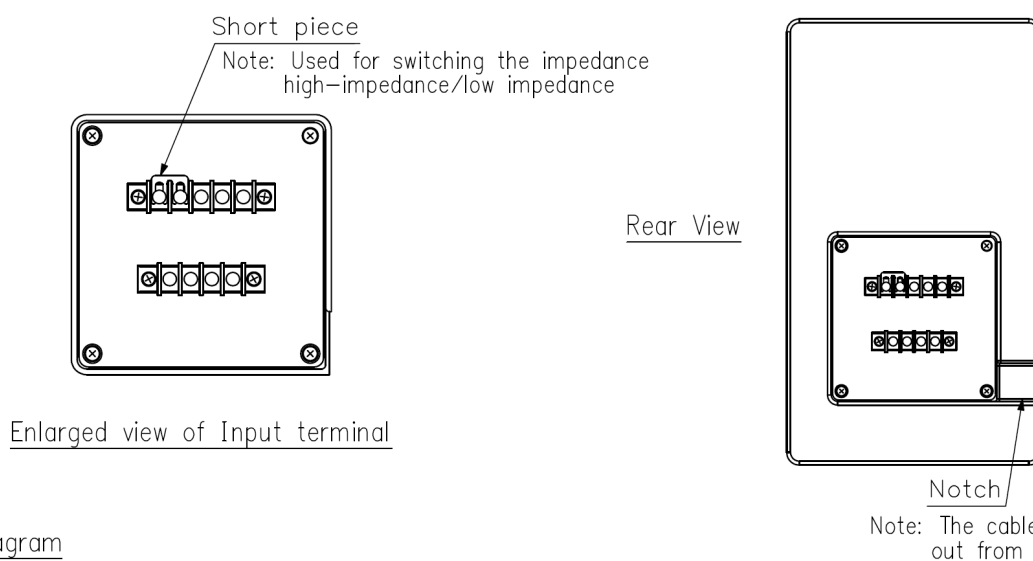
Note: Bolts and nuts for mounting the bracket to the wall or ceiling are not included. Prepare them separately.

## Dimensions



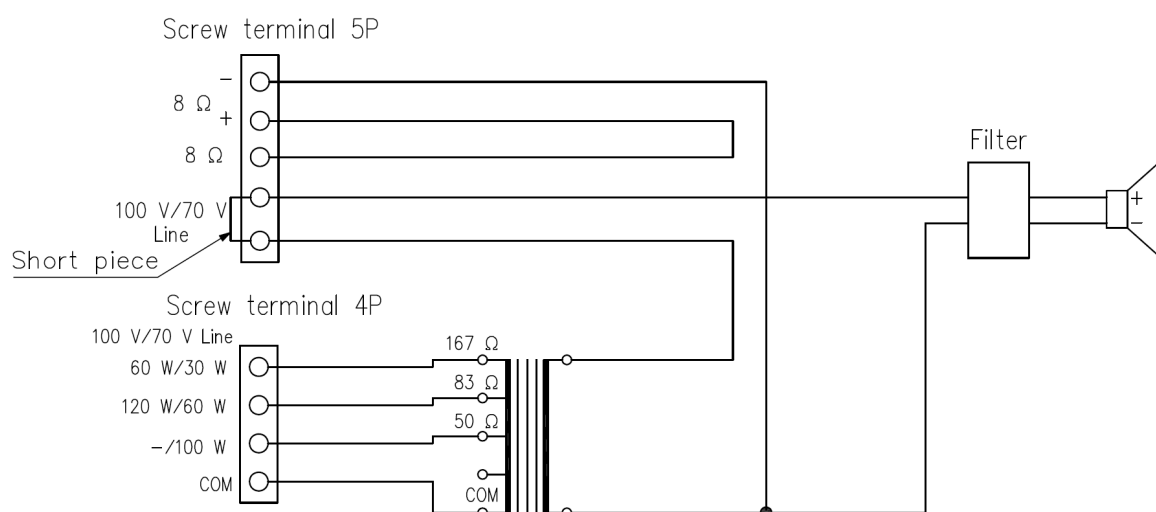
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## Dimensions

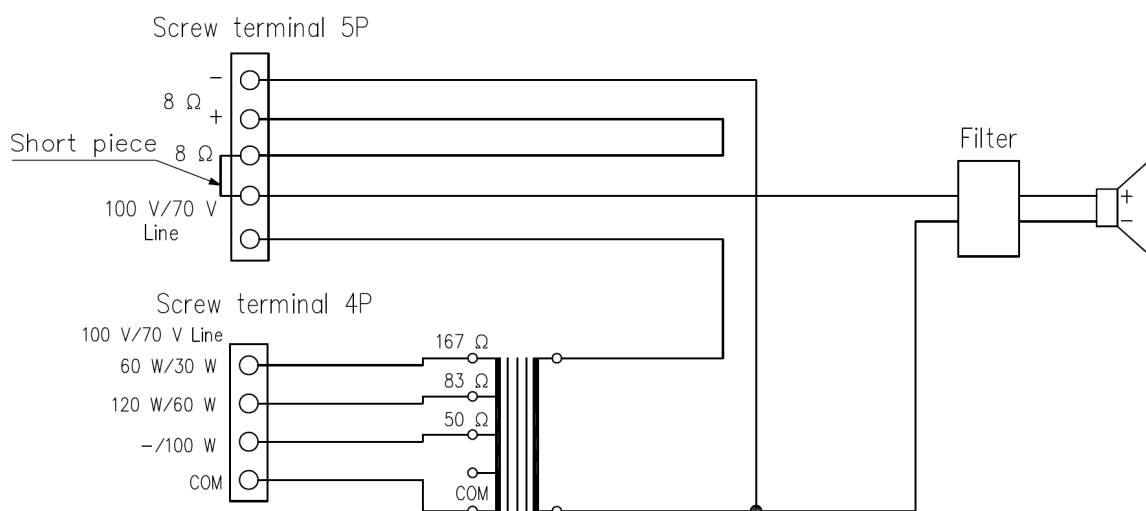


### Circuit diagram

#### When using high impedance connection



#### When using low impedance connection



## A&E specifications

The subwoofer shall be a bass-reflex type enclosure suitable for ceiling or wall mounting. The low-frequency driver shall be a 20 cm (8") cone-type, and the subwoofer shall have a rated noise power handling capacity of 120 W (8  $\Omega$ ) and a continuous program power capacity of 240 W (8  $\Omega$ ). The rated input for the subwoofer shall be 120 W when connected to 100 V or 70 V line systems. The subwoofer shall offer multiple tap settings, including 83  $\Omega$  (120 W) and 167  $\Omega$  (60 W) for the 100 V line, and 50  $\Omega$  (100 W), 83  $\Omega$  (60 W), and 167  $\Omega$  (30 W) for the 70 V line. The impedance shall be 8  $\Omega$  for direct connection. The subwoofer shall have a sensitivity of 84 dB at 1 W, measured at 1 m distance in a free sound field, and 90 dB at 1 W in a 1/2 free sound field. The frequency response of the subwoofer shall range from 45 Hz to 300 Hz, with a -10 dB variance in a 1/2 free sound field. The crossover frequency shall be integrated to simplify system configuration. The enclosure shall be constructed of MDF and finished in either black or white. The grille shall be made of surface treated steel plate and finished to match the enclosure color. The subwoofer shall be equipped with M4 screw terminals for input connection. The subwoofer shall be designed for indoor installation and be capable of operating in a temperature range from -10°C to +50°C (14°F to 122°F). The overall dimensions of the subwoofer shall be 200 mm (W) x 350 mm (H) x 400 mm (D) (7.87" x 13.78" x 15.75"), and the weight shall be 16 kg (35.27 lbs.).

Optional extras:  
 Subwoofer wall mounting bracket: HY-WM-FB08B/ HY-WM-FB08W  
 Subwoofer ceiling mounting bracket: HY-CM-FB08B /HY-CM-FB08W  
 manufactured by TOA Corporation. Manufacturer: TOA Corporation  
 Model: FB-08BT/FB-08BT WT