

## HS-1200BT

### SPEAKER SYSTEM



One of the most difficult speaker requirements to satisfy is a cost-effective mid-size speaker system that offers high quality sound no matter what the application. TOA HS-Series speakers are equipped with narrow-directivity control (90° horizontal × 40° vertical). This useful feature allows tailoring the speaker's dispersion characteristics to better suit the acoustic environment in which it is installed. The versatile HS-Series is compatible for use with 100V/70V lines for distributed applications. The HS-Series speakers are exceptional in offering useful features at an attractive price.

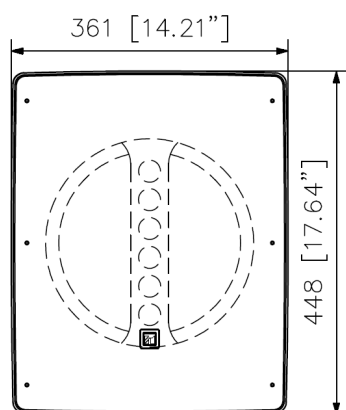
### Key features

- 12" LF speaker
- Well-controlled sound coverage: 90° horizontal x 40° vertical
- Easy to carry and easy to install, with handle for easy transportability
- High impedance version
- Twin input terminal connections (Speakon® and screw terminals) for fixed and mobile installation
- Size and weight have been reduced thanks to the use of the array tweeter
- Can be used as a floor monitor

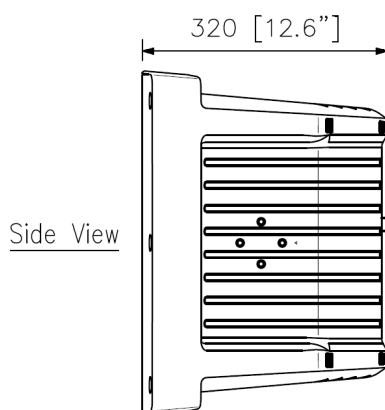
## Specifications

|                       |                                                                                                                                                                                                        |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Enclosure             | Sealed type                                                                                                                                                                                            |
| Rated Input           | 60 W (High Impedance)                                                                                                                                                                                  |
| Power Handling        | Continuous pink noise: 100 W (Low Impedance)<br>Continuous program: 300 W (Low Impedance)                                                                                                              |
| Rated Impedance       | 8 $\Omega$<br>100 V line: 170 $\Omega$ (60 W), 330 $\Omega$ (30 W), 670 $\Omega$ (15 W)<br>70 V line: 83 $\Omega$ (60 W), 170 $\Omega$ (30 W), 330 $\Omega$ (15 W), 670 $\Omega$ (7.5 W)               |
| Sensitivity           | 97 dB (1 W, 1 m)                                                                                                                                                                                       |
| Frequency Response    | 70 - 20,000 Hz                                                                                                                                                                                         |
| Crossover Frequency   | 3 kHz                                                                                                                                                                                                  |
| Directivity Angle     | Horizontal: 90°, Vertical: 40°                                                                                                                                                                         |
| Speaker Component     | Low frequency: 30 cm (12) cone-type                                                                                                                                                                    |
| Input Terminal        | NEUTRIK NL4MPXX Speakon and M4 screw terminal, distance between barriers: 9 mm (0.35")                                                                                                                 |
| Operating Temperature | -10# to +50# (14# to 122#)                                                                                                                                                                             |
| Finish                | Enclosure: Polypropylene, black<br>Punched net: Surface-treated steel plate, black                                                                                                                     |
| Dimensions            | 361 (W) x 448 (H) x 320 (D) mm (14.21 x 17.64" x 12.6")                                                                                                                                                |
| Weight                | 10 kg (22.05 lb)                                                                                                                                                                                       |
| Included Accessories  | Handle ...1, Handle fitting bracket ...2, Handle mounting screw ...2, Rubber foot ...2,<br>Rubber foot mounting screw ...2                                                                             |
| Optional Accessories  | Mounting bracket: HY-1200VB (for vertical speaker mounting)<br>HY-1200HB (for horizontal speaker mounting)<br>Ceiling mount bracket: HY-C0801<br>Wall mount bracket: HY-W0801<br>Speaker stand: ST-33B |

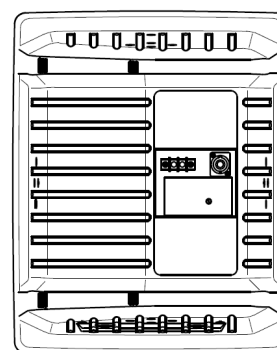
## Dimensions



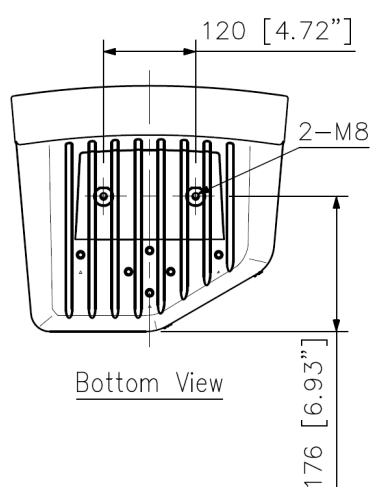
Front View



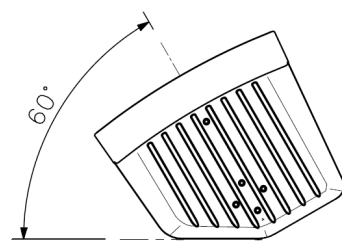
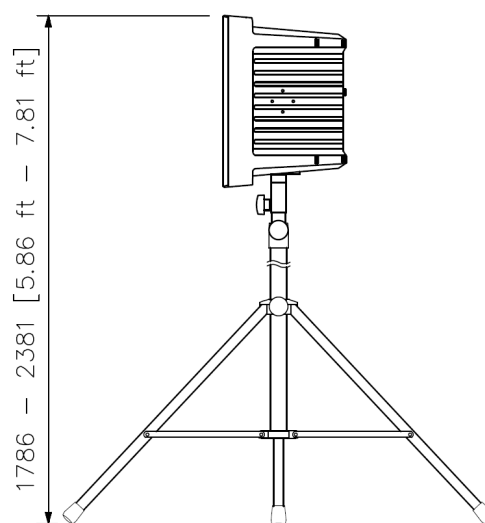
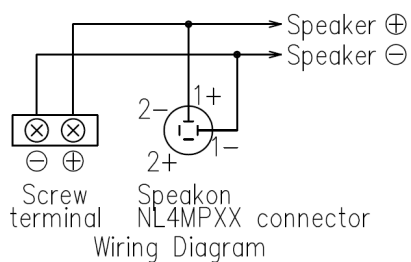
Side View



Rear View



Bottom View

Figure of the unit installed  
(scale: 1/15)ST-34B (option) mounting  
(scale: 1/20)

UNIT: mm

## A&E specifications

The speaker shall be the two-way speaker with a sealed box enclosure with polypropylene and a protective punched front grill with a surface-treated steel plate. The speaker shall be compatible with low and high impedance speaker systems and include a built-in 100V matching transformer. The rear panel shall have screwdriver-adjustable tap settings of: 60W, 30W, 15W and 8 ohms. The rated input shall be 60W, the continuous pink noise shall be 100W at 8 ohms and continuous program shall be 300W at 8 ohms. The speaker shall feature a 30 cm (12") woofer and a 6-balanced-dome tweeters array with a 90° x 40° dispersion. Frequency response shall be 70 to 20k Hz, with crossover at 3k Hz. Sensitivity shall be rated at 97 dB (1 W, 1 m). The speaker system shall be designed for both fixed installation uses and on-the-road and shall be capable of being easily carried with an accessory handle. Its built-in overload protection circuitry for tweeter shall cut off a signal when an excessive input signal is received. Input connections shall be via a speakon connector or screw terminal.

The speaker system shall weigh 10 kg and shall have dimensions of 361(W) x 448(H) x 320(D) mm. The operating temperature range shall be between -10°C and +50°C. The speakers shall be easily mounted in vertical or horizontal positions, with a wide range of optional brackets.

The two-way speaker system shall be a TOA model HS-1200BT/HS-1200WT or approved equivalent.

The wall/ceiling-mount bracket shall be TOA model HY-1200HB/HY-1200HW/HY-1200VB/HY-1200VW.

The ceiling-mount bracket used in conjunction with HY-1200HB/HY-1200HW/HY-1200VB/HY-1200VW shall be TOA model HY-C0801/HY-C0801W.

The wall-mount bracket used in conjunction with HY-1200HB/HY-1200HW/HY-1200VB/HY-1200VW shall be TOA model HY-W0801/HY-W0801W.