

## SC-630T

### PAGING HORN SPEAKER



The SC-630T is a compact, highly intelligible speaker suited to public address announcement applications. Its external speaker component finished with powder coating, and stainless steel bracket and screws ensure the unit's weatherproof capability.

### Key features

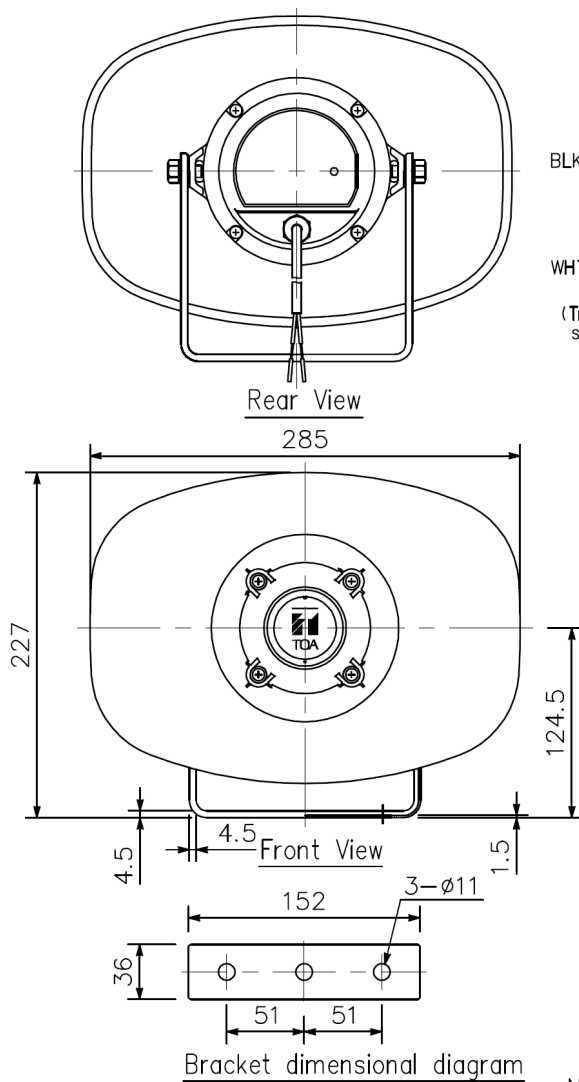
- Delivers Clear Audio: High sound pressure level (113 dB) ensures intelligible voice announcements.
- Weather-Resistant Design: IP65-rated and corrosion-resistant materials support outdoor use in typical conditions.
- Durable Build: Shock-resistant aluminum horn and stainless steel hardware provide long-term reliability.
- Flexible System Integration: Equipped with an impedance selector for easy matching in distributed audio systems.

## Specifications

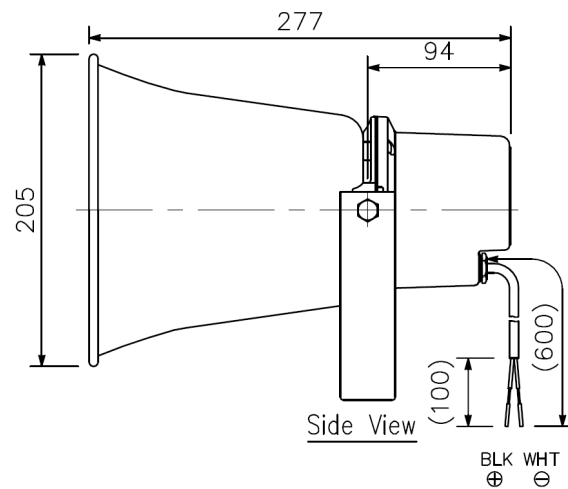
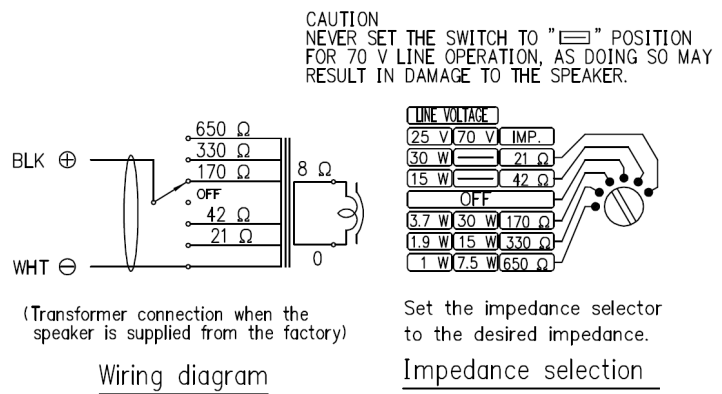
|                       |                                                                                                                                                                                                                                                           |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rated Input           | 30 W                                                                                                                                                                                                                                                      |
| Rated Impedance       | 70 V line: 170 $\Omega$ (30 W), 330 $\Omega$ (15 W), 650 $\Omega$ (7.5 W)<br>25 V line: 21 $\Omega$ (30 W), 42 $\Omega$ (15 W), 170 $\Omega$ (3.7 W), 330 $\Omega$ (1.9 W), 650 $\Omega$ (1 W)                                                            |
| Sound Pressure Level  | 113 dB (1 W, 1 m at 500 Hz to 2.5 kHz peak level)                                                                                                                                                                                                         |
| Frequency Response    | 250 Hz - 10 kHz                                                                                                                                                                                                                                           |
| Polarity              | Hot: Black, Com: White                                                                                                                                                                                                                                    |
| Dust/Water Protection | IP65                                                                                                                                                                                                                                                      |
| Operating Temperature | -20 °C to +55 °C (-4 °F to 131 °F) (must be free from dew condensation)                                                                                                                                                                                   |
| Finish                | Horn flare: Aluminum, off-white, powder coating<br>Reflector horn and rear cover: ABS resin, off-white<br>Bracket, screws and bolts: Stainless steel<br>Speaker cable: Polyvinyl chloride insulated cabtyre cable<br>(6 mm in diameter, 600 mm in length) |
| Dimensions            | 285 (W) x 227 (H) x 277 (D) mm                                                                                                                                                                                                                            |
| Weight                | 2 kg                                                                                                                                                                                                                                                      |
| Optional Accessories  | Swivel bracket: YS-151S (Can be used instead of the supplied bracket.)                                                                                                                                                                                    |

Note: Avoid installing the speaker in locations which vibrate considerably, or under environments easy to be oil-contaminated.

## Dimensions



UNIT:mm



Note: Numerical values in parentheses are for reference only.

## A&E specifications

The paging horn speaker shall be a double re-entrant design suitable for paging and tone signaling distribution. The speaker component shall be a compression driver with a phenolic diaphragm to prevent deformation from heat and moisture.

Power handling shall be 30 watts, and the speaker shall include a built-in matching transformer for connection to 25 V and 70.7 V speaker lines.

Transformer wattage taps shall be:

- 70.7 V line: 30 W (170 ohms), 15 W (330 ohms), 7.5 W (650 ohms)

- 25 V line: 30 W (21 ohms), 15 W (42 ohms), 3.7 W (170 ohms), 1.9 W (330 ohms), 1 W (650 ohms)

The sound pressure level, measured at 1 meter with 1 watt of power applied (500 Hz to 2.5 kHz), shall be 113 dB SPL (typical). Frequency response shall be 250 Hz to 10 kHz.

The speaker shall comply with IEC IP65 standards for dust and moisture resistance, and operate within a temperature range of -4°F to +131°F (-20°C to +55°C).

Construction shall include:

Horn flare: aluminum, off-white, powder coating

Reflector horn and rear cover: ABS resin, off-white

Speaker cable: integral PVC-insulated cable with strain relief, 0.24" (6 mm) diameter, 24" (600 mm) length

Speaker dimensions shall be 11.22" (W) × 8.94" (H) × 10.91" (D) [285 × 227 × 277 mm], and weight shall be 4.19 lbs. (1.9 kg).

The paging horn speaker shall be TOA model SC-630T.

The optional swivel-mount bracket shall be TOA model YS-151S.