

## SC-651

### PAGING HORN SPEAKER



The SC-651 is a compact, highly intelligible speaker suited to public address announcement applications. Its external speaker component finished with powder coating, and stainless steel screws ensure the unit's weatherproof capability.

### Key features

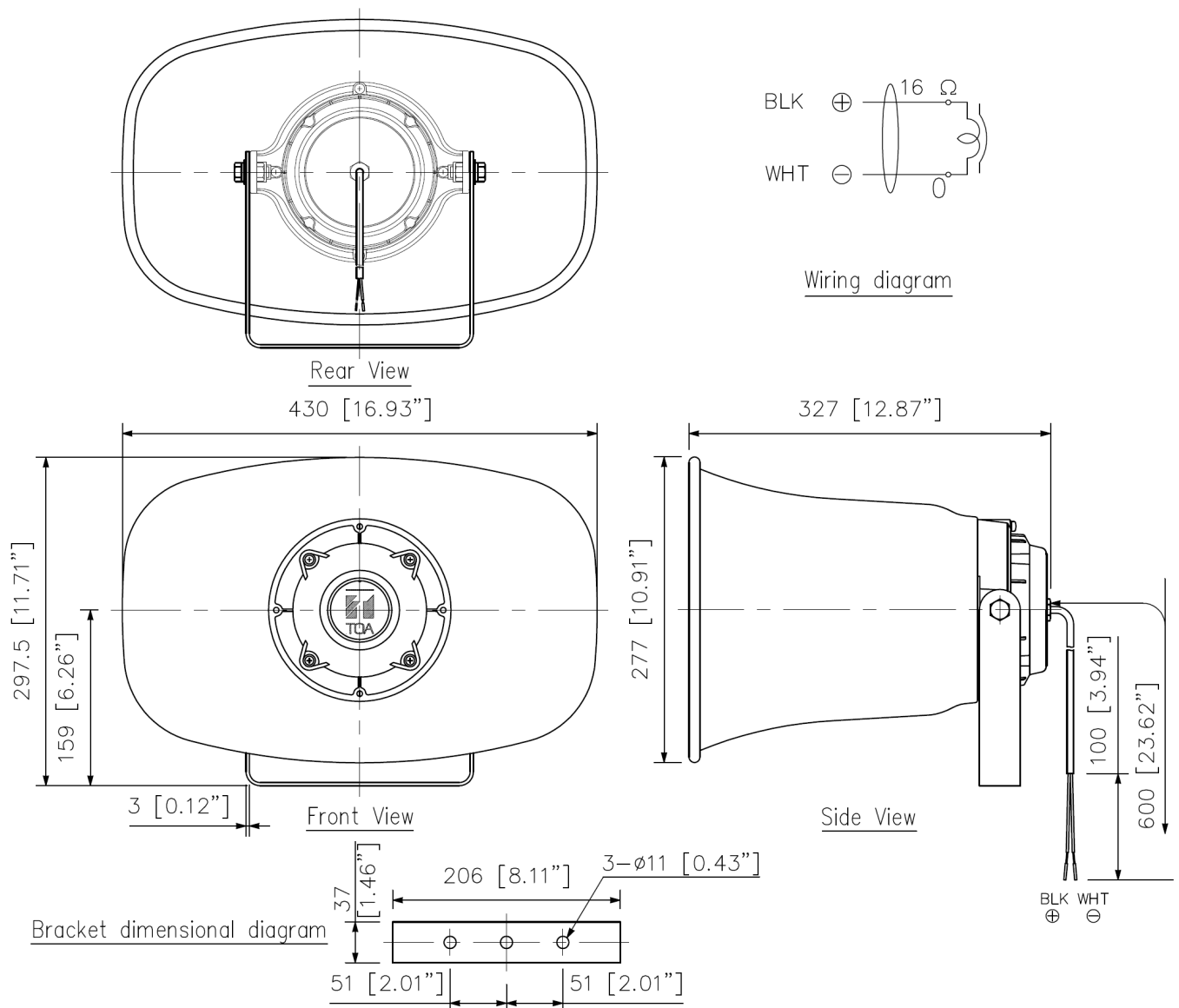
- Polyimide diaphragm ensures durability during 50W output.
- Paging horn speaker for voice paging and tone signaling distribution
- Weather-Resistant to withstand demanding environmental conditions
- Shock-resistant aluminum oval horn
- IP65 standards compliant for dust and water-resistance
- Wide temperature range: -20°C to 55°C (-4°F to 131°F)
- Steel mounting brackets for easy installation and aiming in wall, pole or ceiling-mount applications

## Specifications

|                       |                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rated Input           | 50 W (Mobile Mount use: 30 W)                                                                                                                                                                                                                                                                                                                   |
| Rated Impedance       | 16 $\Omega$                                                                                                                                                                                                                                                                                                                                     |
| Sensitivity           | 109 dB (1 W, 1 m)                                                                                                                                                                                                                                                                                                                               |
| Frequency Response    | 250 Hz - 6 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: ABS resin, off-white<br>Bracket holder: Aluminum, gray, powder coating<br>Bracket: Steel, gray, powder coating<br>Rear cover: ABS resin, gray<br>Screws and bolts: Stainless steel<br>Speaker cable: Polyvinyl chloride insulated cabtyre cable<br>(6 mm (0.24) in diameter) |
| Dimensions            | 430 (W) x 297.5 (H) x 327 (D) mm (16.93 x 11.71" x 12.87")                                                                                                                                                                                                                                                                                      |
| Weight                | 3.4 kg (7.5 lb)                                                                                                                                                                                                                                                                                                                                 |

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

## Dimensions



## A&E specifications

The specified horn speaker shall be designed especially for outdoor applications. 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 polyimide diaphragm to prevent deformation from heat and improve low frequency characteristics.

Power handling shall be 50 W. Rated impedance shall be 16 ohms.

The sensitivity measured at 1m with 1 W of power applied from 500 to 2,500 Hz shall be 109 dB. Frequency response shall be 250 Hz to 6 kHz.

The paging horn shall comply with the IEC IP65 standard for dust and water resistance and operate within a temperature range from -20°C to +55°C (-4°F to +131°F).

The speaker shall feature shock-resistant aluminum oval horn.

The mounting bracket, bracket holder and the horn flare shall be treated with 50-micron thick powder paint coating, and external hardware (screws, bolts, nuts) shall be made of stainless steel.

The paging horn shall include an integral speaker cable, insulated polyvinyl chloride type, with strain-relief, 6 mm (0.24") diameter and 600 mm (23.62") length.

Dimensions shall be 430(W) × 297.5(H) × 327(D) mm (16.93" × 11.71" × 12.87").

Weight shall be 3.4 kg (7.50 lbs).

The paging horn shall be TOA model SC-651.