

TC-615M

REFLEX HORN SPEAKER



The TC-615M is a highly intelligible, general-purpose 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

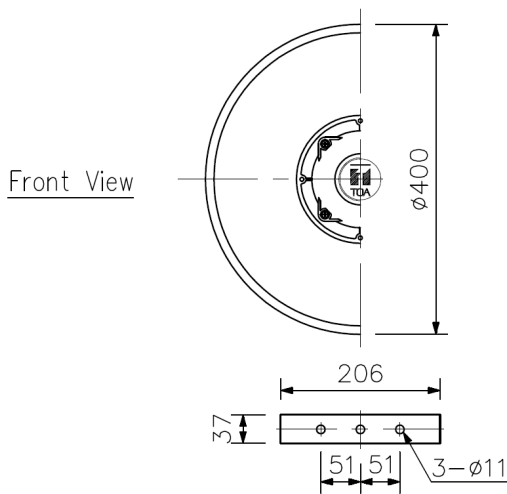
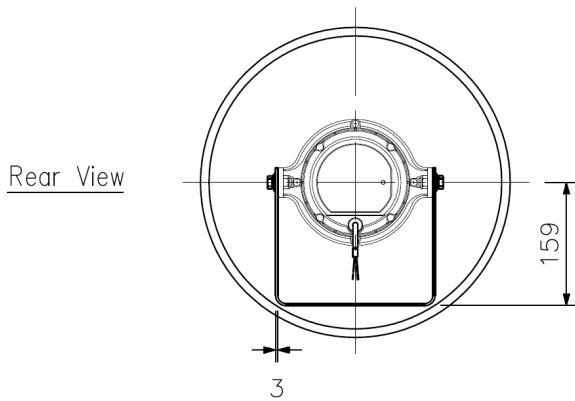
- High intelligibility
- Waterproof for outdoor application
- Stainless steel hardware (screws, bolts, nuts), and powder-coated horn and bracket ensure superb weatherproofing and corrosion-resistance
- Shock-resistant aluminum round horn
- With 600 mm cable

Specifications

Rated Input	15 W
Rated Impedance	100 V line: 670 Ω (15 W), 1 k Ω (10 W), 2 k Ω (5 W), 3.3 k Ω (3 W) 70 V line: 330 Ω (15 W), 670 Ω (7.5 W), 1 k Ω (5 W), 2 k Ω (2.5 W), 3.3 k Ω (1.5 W)
Sound Pressure Level	108 dB (1 W, 1 m)
Frequency Response	250 Hz - 7 kHz
Polarity	Hot: Black, Com: White
Dust/Water Protection	IP65
Operating Temperature	-20 °C to +55 °C (must be free from dew condensation)
Finish	Horn flare: Aluminum, off-white, powder coating Reflector horn: ABS resin, off-white Bracket holder: Aluminum, gray, powder coating Bracket: Steel, gray, powder coating Rear cover: ABS resin, gray Screw and bolts: Stainless steel Speaker Cable: Polyvinyl chloride insulated cabtyre cable (6 mm in diameter, 600 mm in length)
Dimensions	Ø400 (W) x 376 (D) mm
Weight	3.2 kg

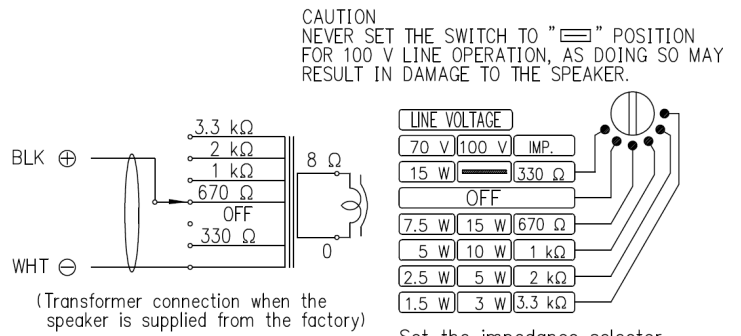
Note: Avoid installing the speaker in locations which vibrate considerably or under environments easy to be oil-contaminated.

Dimensions



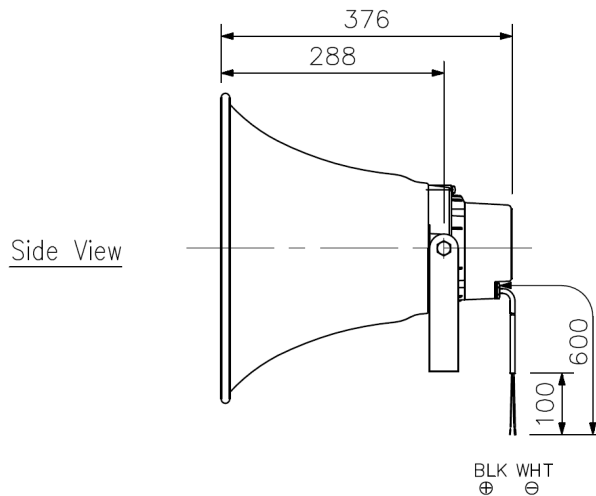
Bracket dimensional diagram

UNIT:mm



Wiring diagram

Impedance selection



A&E specifications

The Reflex Horn Speaker, rated at 15W, shall be designed for both indoor and outdoor paging applications, as well as for background music reproduction. The model designed for use in high-impedance (70V/100V lines) system and standard model for low-impedance 8 ohms system shall be available. The speaker shall feature diaphragms employing special heat-resistant fibers impregnated with phenolic resin to prevent the diaphragm from absorbing moisture and changing shape. The speaker shall be designed to ensure high speech clarity and sound quality suitable for music reproduction. External hardware (screws, bolts, nuts) shall be made of stainless steel, and the mounting bracket and the horn itself shall be treated with 50-micron thick powder paint coating which is about three times thicker than that of the conventional horns. All of these factors shall combine to ensure the speaker's excellent weatherproofing and corrosion resistance. In addition, the external horn flare shall be made of aluminum that is more shock-resistant than resin.

High-impedance model shall be equipped with an input impedance selector switch (4 steps for 100V line, and 5 steps for 70V line) which facilitates the ease of impedance settings without requiring disassembly. The switch shall be also equipped with an OFF position to prevent speaker damage resulting from incorrect impedance setting. Rated Input : 15W

Sensitivity(1W, 1m): 108 dB

Frequency Response: 250 - 7 k Hz

Dust/Water Protection: IP65 The speaker shall be the TOA model TC-615/615M.