TOA

HORN SPEAKER 30W
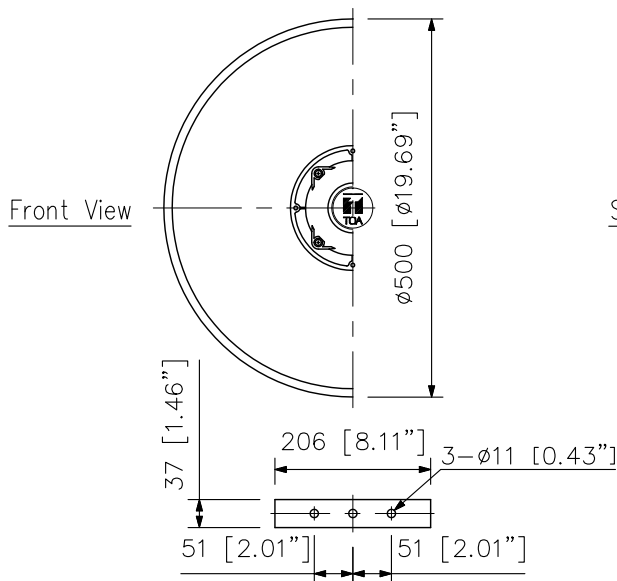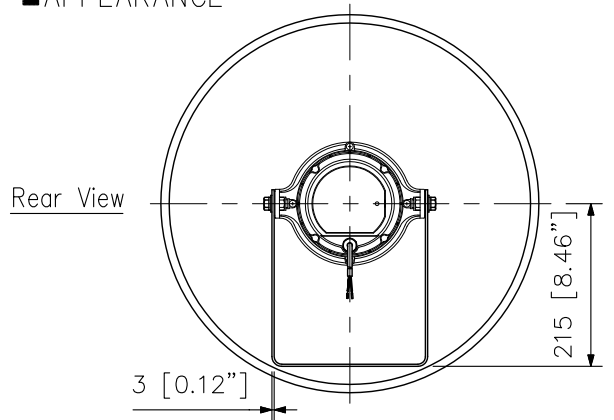## (WITH TRANSFORMER)

TC-631M

■DESCRIPTION
The TC-631M 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.

■SPECIFICATIONS

Rated Input	30 W
Line Voltage	100 V line or 70 V line
Rated Impedance	100 V line: 330 Ω (30 W), 670Ω (15 W), 1 kΩ (10 W), 2 kΩ (5 W) 70 V line: 170 Ω (30 W), 330 Ω (15 W), 670 Ω (7.5 W), 1 kΩ (5 W), 2 kΩ (2.5 W)
Sensitivity	110 dB (1 W, 1 m)
Frequency Response	200 Hz − 6 kHz
Dust/Water Protection	IP65
Polarity	Hot: Black, Com: White
Operating Temperature	−20 ℃ to +60 ℃ (−4 ℉ to 140 ℉) (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 (0.24") in diameter, 600 mm (23.62") in length)
Dimensions	∅500 (W) × 463 (D) mm (∅19.69" × 18.23")
Weight	4.5 kg (9.92 lb)

Note: Avoid installing the speaker in locations which vibrate considerably, or under environments easy to be oil-contaminated.
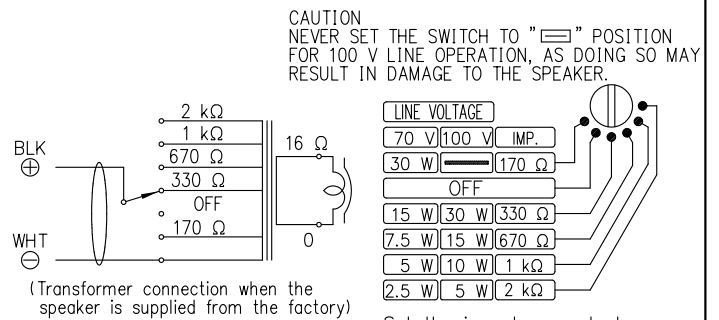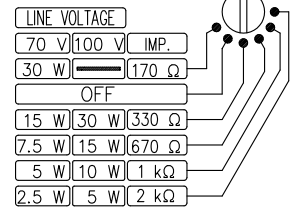
■APPEARANCE
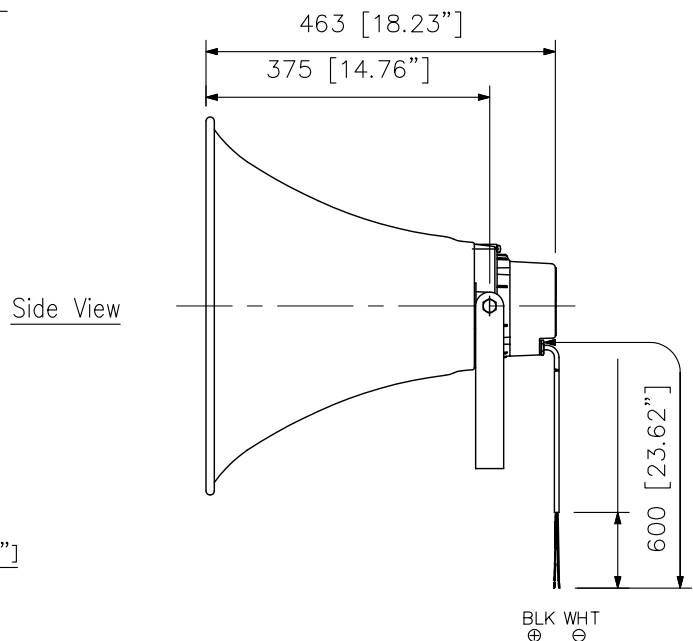
CAUTION
NEVER SET THE SWITCH TO "▭" POSITION FOR 100 V LINE OPERATION, AS DOING SO MAY RESULT IN DAMAGE TO THE SPEAKER.

Rear View

3 [0.12"]

215 [8.46"]

BLK ⊕

2 kΩ
1 kΩ
670 Ω
330 Ω
OFF
170 Ω

16 Ω

0

WHT ⊖

(Transformer connection when the speaker is supplied from the factory)

Wiring diagram

LINE VOLTAGE		
70 V	100 V	IMP.
30 W	▭	170 Ω
OFF		
15 W	30 W	330 Ω
7.5 W	15 W	670 Ω
5 W	10 W	1 kΩ
2.5 W	5 W	2 kΩ

Set the impedance selector to the desired impedance.

Impedance selection

Front View

∅500 [∅19.69"]

37 [1.46"]

206 [8.11"]

3−∅11 [0.43"]

51 [2.01"] 51 [2.01"]

Bracket dimensional diagram

Side View

463 [18.23"]
375 [14.76"]

600 [23.62"]

BLK WHT
⊕   ⊖

UNIT:mm   SCALE:1/10

TOA Corporation