TOA SPEAKER SYSTEM SPLASHPROOF SPEAKER SYSTEM BS-20W



DESCRIPTION

The TOA BS-20W is a splashproof type speaker system designed especially for railway station platform applications. It incorporates a 13 cm (5.2") woofer and a piezo driver unit with constant directivity horn, ensuring a uniform (30° horizontal by 90° vertical) sound dispersion pattern. The BS-20W has a splashproof ABS resin enclosure and a painted finish to protect against ultraviolet rays. In addition, its speaker unit is waterproofed.

Applications include high humidity/temperature areas, as well as outdoors or under eaves where the speaker is likely to be exposed to rain.

FEATURES

- 1. Sealed type enclosure.
- 2. One 13 cm (5.2") diameter splashproof cone speaker
- 3. Constant directivity horn plus splashproof piezo driver unit (90° x 30°).
- 20W rated power input and 94dB/w/m output sound pressure level.
- 5. 100 Hz to 20 kHz frequency response.
- 6. Rotaly switch impedance changing (20W, 15W, 10W, 5W on 100V)
- 7. Zinc-coated steel plate black-painted punching net/mounting bracket
- 8. Stainless steel angle bolts.

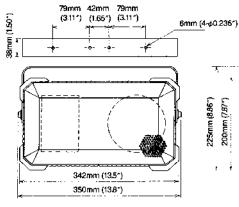


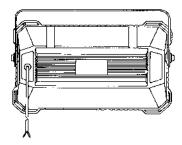
SPECIFICATIONS

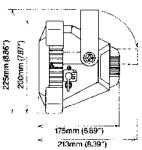
Туре	Sealedtype			
Speaker for Mid/Low Frequency	One 13 cm (5.2") dia. splashproof cone speaker			
Speaker for High Frequency	CD horn (30° horizontal by 90° vertical) plus splashproof piezo driver unit			
Rated Power Input	20W			
Nominal Impedance	500 ohms (20W), 670 ohms (15W), 1k ohms (10W) and 2k ohms (5W)			
Output Sound Pressure Level	94dB/W/m			
Frequency Response	100 Hz~ 20 kHz			
Ambient Temperature	-20~+55°C (-4~+122°F)			
Material & Finish	Enclosure: ABS resin, black paint Punching net/Mounting brancket: Zinc-coated steel plate, black paint Bracket bolts: Stainless steel			
Dimensions	342 (W) x 200 (H) x 175 (D) mm 13.5 (W) x 7.9(H) x 7.9 (D) inches			
Weight	3.6 kg (8.0 lbs)			

*Specifications are subject to change without notice.

APPEARANCE AND DIMENSIONAL DIAGRAM







Changing the Wattage (Impedance)

- ① Remove the waterproof cap at the side where the woofer is attached.
- ② Select the desired impedance (wattage) by rotating the rotary switch with a flat head screwdriver.
- After setting the impedance, be sure to replace the cap as it keeps the speaker splashproof. (Any change in impedance maintains the siren sound pressure level at 90dB/m or better.)

Impedance	2k ohms	1k ohms	670 ohms	500 ohms
Wattage	5W	10W	15W	20W
*The BS-20W is factory-wired to 20W (500 ohms).				(100V line)

*Polarities: black (HOT), white (COLD).

CHARACTERISTIC DIAGRAMS

Frequency Response

(Anechoic chamber, 1W/1m, 1/3 octave pink noise)

