TOA Speaker System HX-5B-WP EB-Q, HX-5W-WP EB-Q

■ Description

The HX-5B/W-WP EB-Q is a 2-way compact speaker system that permits both constant directivity control over a wide frequency range and changes in directivity. It is ideal for reproducing clear sound in spaces with a long reverberation time or high background noises. The HX-5B/W-WP EB-Q is designed for outdoor use.

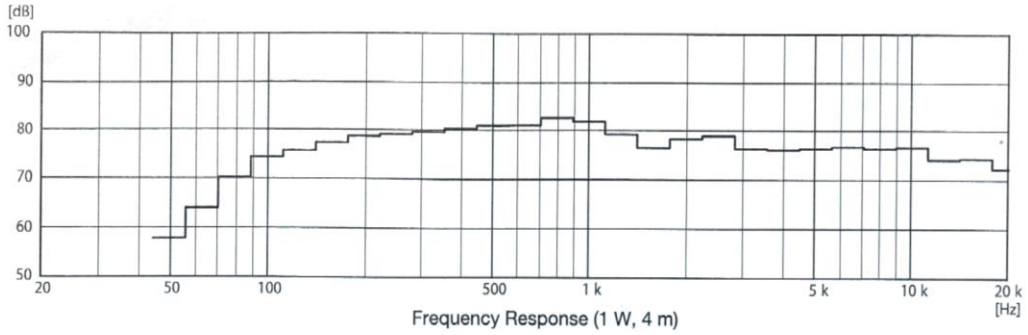
■ Specifications

Standards	Certified to the EU standard EN 54-24:2008 Loudspeaker for voice alarm systems for fire detection and fire alarm systems Certificate no.: 1438-CPR-0281; DoP: 1438-CPD-0281
Enclosure	Sealed type
Environmental type	Type B (outdoor applications)
Rated noise power	200 W (100 V line and 70 V line)
Rated impedance	8 Ω (HX-5B-WP EB-Q and HX-5W-WP EB-Q without transformer)
with MT-200	100 V line: 50 Ω (200 W), 83 Ω (120 W), 167 Ω (60 W) 70 V line: 25 Ω (200 W), 50 Ω (100 W), 83 Ω (60 W), 167 Ω (30 W)
Sensitivity (60° mode)	96 dB (1 W, 1 m at 500 Hz to 5 kHz pink noise)
	88 dB (1 W, 1 m at 100 Hz to 10 kHz pink noise) 76 dB (1 W, 4 m at 100 Hz to 10 kHz pink noise)
Max. SPL (60° mode)	108 dB (200 W, 1 m at 500 Hz to 5 kHz pink noise) 96 dB (200 W, 4 m at 500 Hz to 5 kHz pink noise)
Frequency response	95 Hz – 20 kHz (in 60° mode)
Coverage angle (-6 dB, 60° mode)	Horizontal: 211° (500 Hz), 192° (1 kHz), 121° (2 kHz), 118° (4 kHz) Vertical: 101° (500 Hz), 70° (1 kHz), 68° (2 kHz), 66° (4 kHz)
Cross-over frequency	4 kHz
Speaker components	Low frequency: 12 cm cone-type x4, high frequency: balanced dome-type x12
Operating temperature	-15°C to +50°C
Dust/water protection	IP33C (install with every speaker module downward)
Cable polarity	Hot: black, Com: white
Finish	Enclosure: Polypropylene, black (HX-5B-WP EB-Q), white (HX-5W-WP EB-Q) Punched net: steel, black (HX-5B-WP EB-Q), white (HX-5W-WP EB-Q)
Dimensions	408 (W) x 546 (H) x 342 (D) mm
Weight	16 kg
Option	Suspension bracket ….2, Hex head wrench ….1

Notes

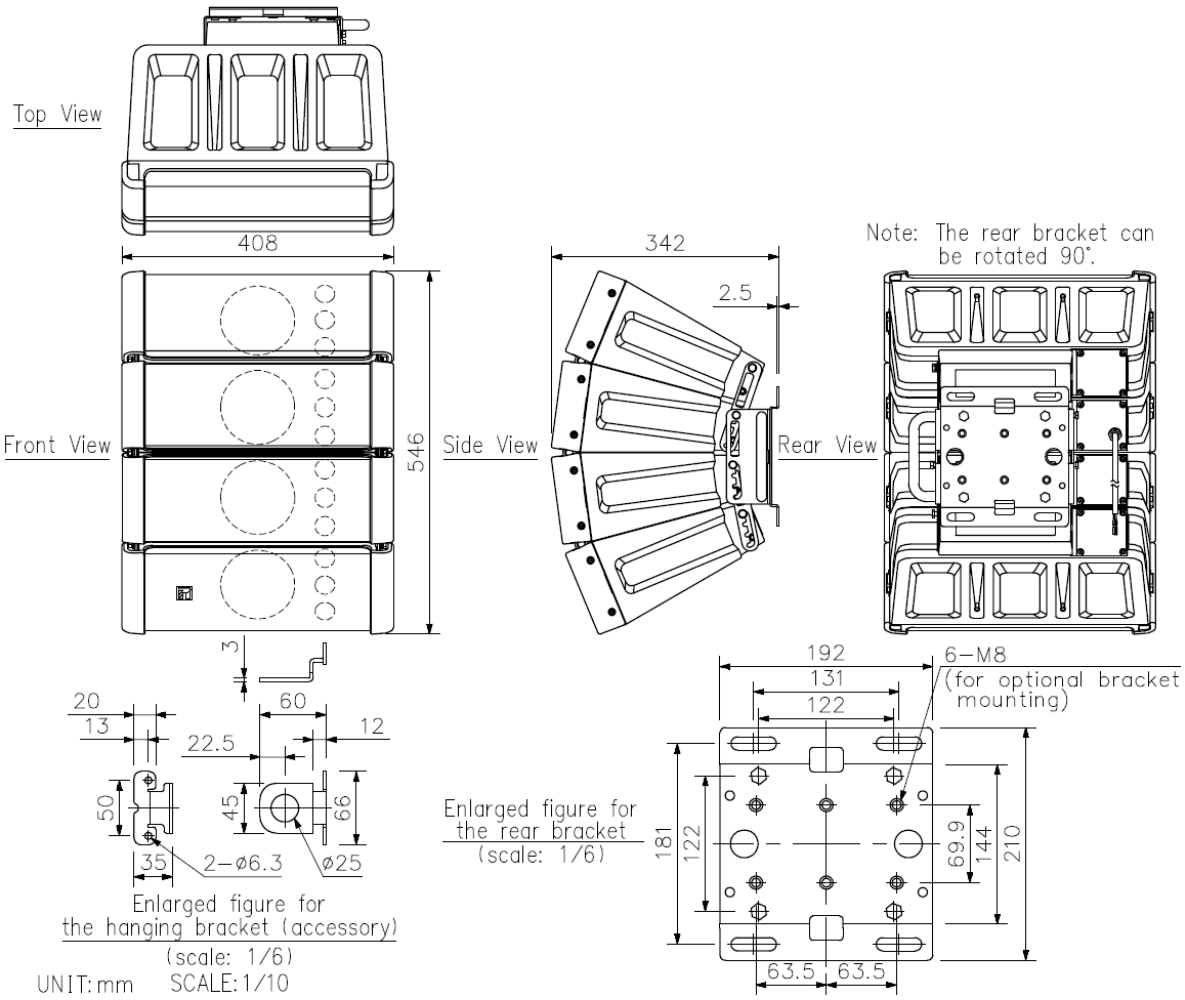
- The design and specifications are subject to change without notice for improvement.
- The specifications data were measured in an anechoic chamber, according to EN 54-24.
- Reference axis: The axis is on the centre of the speaker grille and perpendicular to the speaker grille
- Reference plane: the plane is on the speaker grille and perpendicular to the reference axis
- Horizontal plane: the plane is containing the speaker axis and perpendicular to the reference plane

■ Frequency response

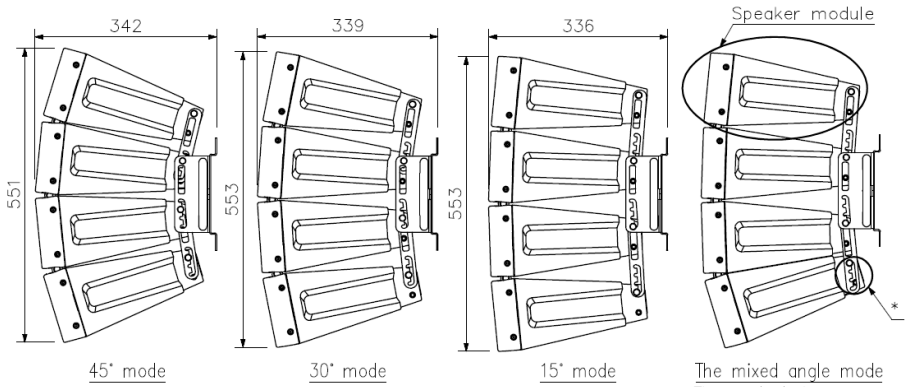


Frequency Response (1 W, 4 m)

■ Appearance



Example for adjustment of the directivity angle



Example for hanging bracket mounting