



# Morrison's Public Address

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## CS-530/660BS-EB

Music horn speakers



**High sound quality under  
all weather conditions.**

**sound** without compromise

[www.toa.eu](http://www.toa.eu)

# CS-530/660BS-EB

## Music horn speakers

These music horn speakers are comprised of a high-efficiency weather-resistant horn and a high quality sound cone speaker, providing excellent speech and BGM clarity. They feature ABS resin enclosure and stainless steel bracket for all weather durability. Both speakers are certified to the European Standard EN 54-24: 2008 and International Standard ISO 7240-24: 2010, and are compliant with the British Standard BS 5839-8: 2008.

- Highly intelligible: suited to voice alarm, public address and BGM application by 2-way system.
- Certified to EN 54-24, ISO 7240-24 and compliant with BS 5839-8.
- All weather durability, water and dust protection to IP 66.
- Impedance change available by tapping changing located inside the terminal cover.



CS-530BS-EB



CS-660BS-EB

### APPLICATION EXAMPLES



Parking spaces



Railway stations



Outdoor playgrounds



Sports fields

### SPECIFICATIONS

|  | CS-530BS-EB  | CS-660BS-EB   |
|--|--|---|
| Rated Power                                    | 30W  | 60W   |
| Rated Impedance                                | 330Ω (30W), 670Ω (15W), 1.3kΩ (7.5W), 2.7kΩ (3.75W)  | 170Ω (60W), 330Ω (30W), 670Ω (15W), 1.3kΩ (7.5W)                                |
| Sound Pressure Level                           | 96dB (1m, 1W)  | 97dB (1m, 1W)   |
| Maximum SPL                                    | 111dB  | 115dB   |
| Frequency Response                             | 120 - 20,000Hz (Peak - 10dB)   | 100 - 20,000Hz (Peak - 10dB)  |
| Speaker Component                              | Bass: 12.7 cm (5") Coating Rubber Surround<br>Treble: High Efficiency Tweeter                                  | Bass: 16.5 cm (6.5") Coating Rubber Surround<br>Treble: High Efficiency Tweeter |
| Coverage Angle<br>(500Hz/1kHz/2kHz/4kHz, -6dB) | Horizontal: 140° / 60° / 90° / 90°<br>Vertical: 180° / 100° / 95° / 140°                                       | Horizontal: 105° / 50° / 80° / 80°<br>Vertical: 140° / 70° / 90° / 150°         |
| Environmental Type                             | B (outdoor applications)   |   |
| Operating Temperature                          | -25°C to +70°C   |   |
| Dust/Water Protection                          | IP66   |   |
| Speaker Mounting Method                        | Wall-mount   |   |
| Applicable Cable                               | Solid copper wire or 7-core twisted copper wire 0.3mm <sup>2</sup> - 3.2mm <sup>2</sup> (AWG 22-12)            |   |
| Connection                                     | Screw terminal   |   |
| Finish   | Horn and terminal cover: ABS resin, light grey (RAL7035 or equivalent)<br>Brackets and screws: Stainless steel |   |
| Dimensions (W x H x D)                         | 315 x 215 x 355.5mm  | 418 x 332 x 391mm   |
| Weight   | 4.7kg  | 7.1kg   |

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Specifications are subject to change without notice.  
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