



## Waterproof Cabinet Loudspeaker WCS Series

The WCS series music cabinet loudspeakers have been designed to offer specifiers and installers a high level of flexibility, versatility and performance. All models are made from high impact ABS / fibre mix and are fully IP rated to IP55, making these units ideal for external as well as internal installations. All exterior hardware including grille, screws and mounting brackets are made from stainless steel for corrosion resistance. The 2 way design on all models offers dynamic performance, ideal for background music and sound re-enforcement (on the larger power models). Units can be ordered as  $8\Omega$  only or multi-impedance whereby settings are adjusted by a rotary control for 100v, 70.7v &  $8\Omega$  tappings. Typical installations include - Stadium infill, Processing plants, Sports halls, Swimming pools etc.



The range consists of a number of different cabinet sizes, power settings and driver unit specifications to cover a wide variety of applications.

**WCS-5200** 5" Woofer, 20 watt 100v, 70.7v &  $8\Omega$ - For Background music.

**WCS-5300** 5" Woofer, 30 watt 100v, 70.7v &  $8\Omega$ - For Background

music & Sound Re-enforcement.

**WCS-6500** 6.5" Woofer, 50 watt 100v, 70.7v &  $8\Omega$ - For Background music & Sound Re-enforcement.

For your peace of mind and accurate system design, sample CES Audio products are extensively tested in our **Anechoic Test Chamber**, **Withstanding/Insulation Tester**

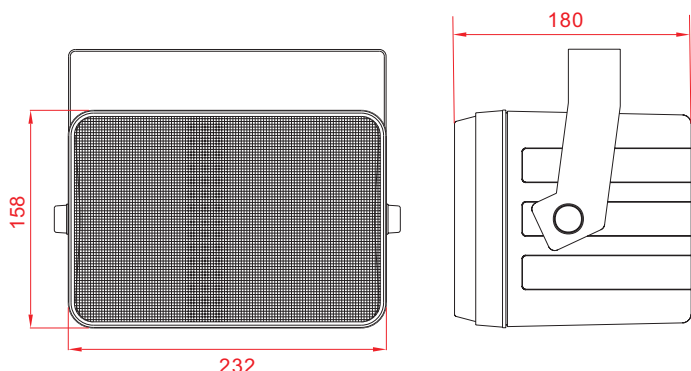
and **Programmable Temperature & Humidity Chamber** to ensure accurate specification, safety and reliability.

All CES Audio loudspeakers are designed to withstand operating at their rated power for 100 hours in accordance with IEC 268-5 Power Handling Capacity standards.

- **Highly versatile range of background music & sound re-enforcement cabinet loudspeakers for internal & external use.**
- **Water-resistant to IEC529 IP55.**
- **Stainless steel exterior hardware.**
- **Power levels from 20 to 50 watts.**
- **High impact ABS/Fibre cabinet.**
- **Multi impedance 100 volt, 70.7 volt &  $8\Omega$  settings plus tappings - via selector control.**
- **U mounting bracket included.**
- **Optional multi bracket available. This bracket has a breaking load tested to 10Kgs.**  
(B8-10-0091 Multi bracket-Black)  
(B8-19-0091 Multi bracket-White)
- **Available in Black (RAL 9005) & White (RAL 9016).**

| Model No.               | WCS-5208U/S   | WCS-5208WU/S     | WCS-5200U/S                    | WCS-5200WU/S     |
|-------------------------|---|------------------|--------------------------------|------------------|
| Rated Power (rms)       | 20W   |                  |                                |                  |
| Impedance               | 8Ω  |                  | 250Ω, 500Ω, 1KΩ, 2KΩ, 4KΩ & 8Ω |                  |
| Power Taps @ 100V       | n.a.  |                  | 20W, 10W, 5W, 2.5W & 8Ω        |                  |
| Power Taps @ 70.7V      |   |                  | 20W, 10W, 5W, 2.5W, 1.25W & 8Ω |                  |
| SPL (1W/1m)             | 87dB  |                  |                                |                  |
| Max. SPL (20 W/1m)      | 100dB   |                  |                                |                  |
| Frequency Range (-10dB) | 100 Hz ~ 20K Hz   |                  |                                |                  |
| Dispersion 1K Hz/4K Hz  | 200° / 80°  |                  |                                |                  |
| Ambient Temperature     | -20°C ~ 60°C  |                  |                                |                  |
| Water Protection        | IEC529 IP55   |                  |                                |                  |
| Power Selection Way     | n.a.  |                  | Selecting Switch               |                  |
| Termination             | Push terminal   |                  |                                |                  |
| Material                | Housing: High impact ABS with fibre, Grille: Stainless Steel. |                  |                                |                  |
| Colour/Finish           | Black (RAL 9005)  | White (RAL 9016) | Black (RAL 9005)               | White (RAL 9016) |
| Dimensions              | 232 (9.13) W X 158 (6.22) H X 180 (7.09) D mm. (in.)          |                  |                                |                  |
| Net Weight (ea)         | 2.4 Kgs (5.29 lbs.)   |                  | 3.0 Kgs (6.61 lbs.)            |                  |
| Shipping Weight (8 pcs) | 25 Kgs (55 lbs.)  |                  | 27 Kgs (60 lbs.)               |                  |
| Shipping Meas't (8 pcs) | 4.3 cuft  |                  |                                |                  |
| Mounting                | U type Stainless Steel Bracket                                |                  |                                |                  |

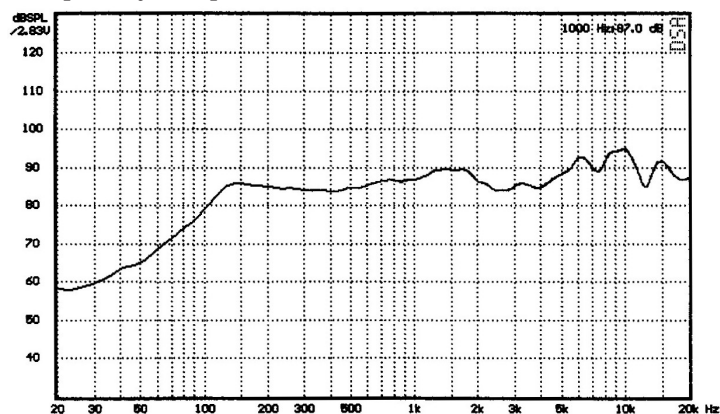
Optional  
B8-10-0091 Multi bracket-Black  
B8-19-0091 Multi bracket-White



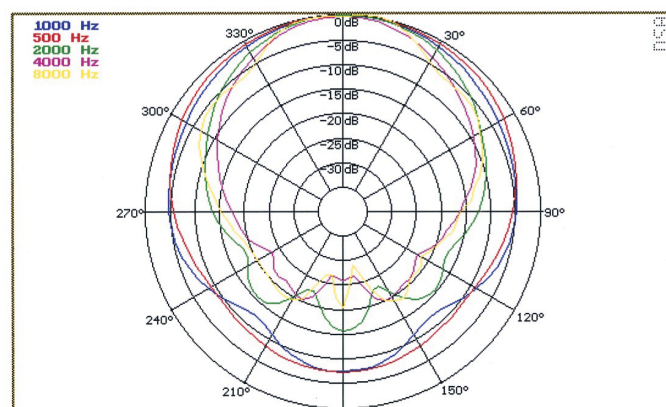
Unit: mm



Frequency Response



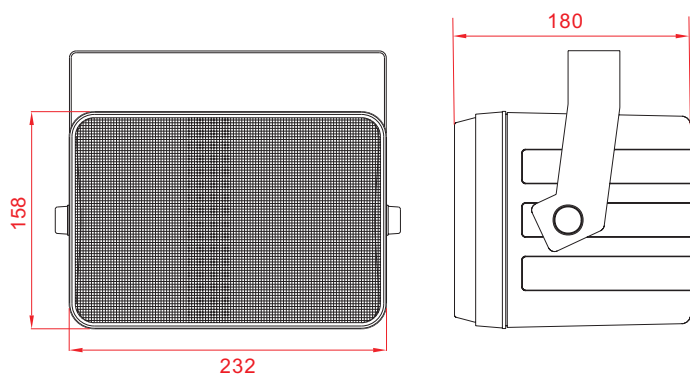
Polar Plot



**WCS SERIES**

Public Address Loudspeakers

| Model No.               | WCS-5308U/S   | WCS-5308WU/S     | WCS-5300U/S                         | WCS-5300WU/S     |
|-------------------------|---|------------------|-------------------------------------|------------------|
| Rated Power (rms)       | 30W   |                  |                                     |                  |
| Impedance               | 8Ω  |                  | 167Ω, 333Ω, 667Ω, 1333Ω, 2666Ω & 8Ω |                  |
| Power Taps @ 100V       |   |                  | 30W, 15W, 7.5W, 3.75W & 8Ω          |                  |
| Power Taps @ 70.7V      |   |                  | 30W, 15W, 7.5W, 3.75W, 1.9W & 8Ω    |                  |
| SPL (1W/1m)             | 87dB  |                  |                                     |                  |
| Max. SPL (30W/1m)       | 102dB   |                  |                                     |                  |
| Frequency Range (-10dB) | 100 Hz ~ 20K Hz   |                  |                                     |                  |
| Dispersion 1K Hz/4K Hz  | 200° / 80°  |                  |                                     |                  |
| Ambient Temperature     | -20°C ~ 60°C  |                  |                                     |                  |
| Water Protection        | IEC529 IP55   |                  |                                     |                  |
| Power Selection Way     | n.a.  |                  | Selecting Switch                    |                  |
| Termination             | Push terminal   |                  |                                     |                  |
| Material                | Housing: High impact ABS with fibre, Grille: Stainless Steel. |                  |                                     |                  |
| Colour/Finish           | Black (RAL 9005)  | White (RAL 9016) | Black (RAL 9005)                    | White (RAL 9016) |
| Dimensions              | 232 (9.13) W X 158 (6.22) H X 180 (7.09) D mm. (in.)          |                  |                                     |                  |
| Net Weight (ea)         | 2.5 Kgs (5.51 lbs.)   |                  | 3.0 Kgs (6.61 lbs.)                 |                  |
| Shipping Weight (8 pcs) | 25 Kgs (55 lbs.)  |                  | 29 Kgs (64 lbs.)                    |                  |
| Shipping Meas't (8 pcs) | 4.3 cuft  |                  |                                     |                  |
| Mounting                | U type Stainless Steel Bracket                                |                  |                                     |                  |

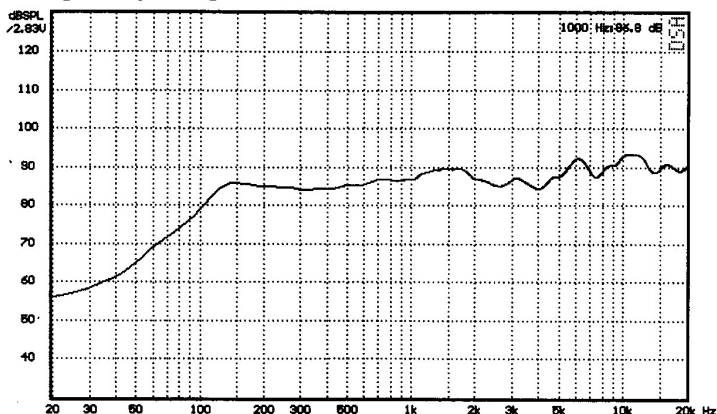


Unit: mm

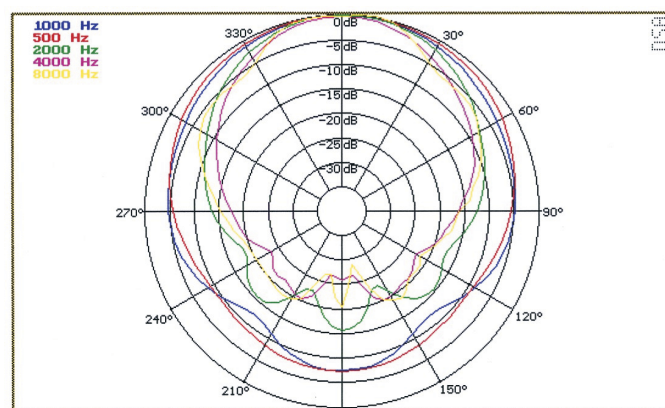
Optional  
B8-10-0091 Multi bracket-Black  
B8-19-0091 Multi bracket-White



Frequency Response



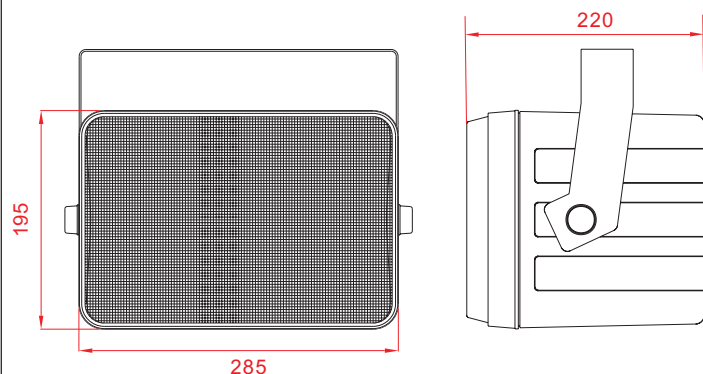
Polar Plot





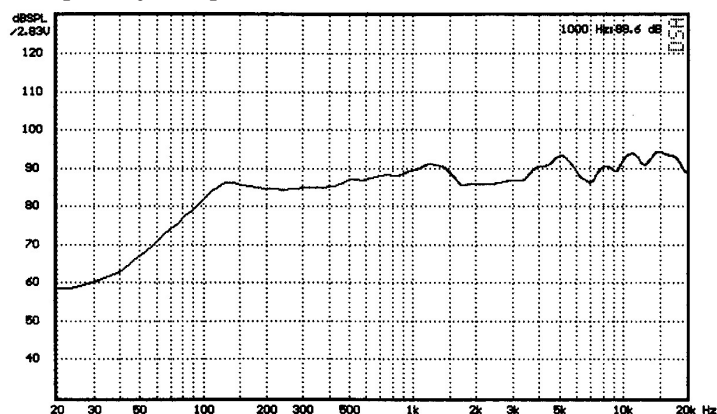
| Model No.               | WCS-6508U/S   | WCS-6508WU/S     | WCS-6500U/S                        | WCS-6500WU/S     |
|-------------------------|---|------------------|------------------------------------|------------------|
| Rated Power (rms)       | 50W   |                  |                                    |                  |
| Impedance               | 8Ω  |                  | 100Ω, 200Ω, 400Ω, 800Ω, 1600Ω & 8Ω |                  |
| Power Taps @ 100V       | n.a.  |                  | 50W, 25W, 12.5W, 6.3W & 8Ω         |                  |
| Power Taps @ 70.7V      |   |                  | 50W, 25W, 12.5W, 6.3W, 3.1W & 8Ω   |                  |
| SPL (1W/1m)             | 89dB  |                  |                                    |                  |
| Max. SPL (50W/1m)       | 106dB   |                  |                                    |                  |
| Frequency Range (-10dB) | 90 Hz ~ 20K Hz  |                  |                                    |                  |
| Dispersion 1K Hz/4K Hz  | 120° / 70°  |                  |                                    |                  |
| Ambient Temperature     | -20°C ~ 60°C  |                  |                                    |                  |
| Water Protection        | IEC529 IP55   |                  |                                    |                  |
| Power Selection Way     | n.a.  |                  | Selecting Switch                   |                  |
| Termination             | Push terminal   |                  |                                    |                  |
| Material                | Housing: High impact ABS with fibre, Grille: Stainless Steel. |                  |                                    |                  |
| Colour/Finish           | Black (RAL 9005)  | White (RAL 9016) | Black (RAL 9005)                   | White (RAL 9016) |
| Dimensions              | 285 (11.22) W X 195 (7.68) H X 220 (8.66) D mm. (in.)         |                  |                                    |                  |
| Net Weight (ea)         | 3.5 Kgs (7.72 lbs.)   |                  | 4.2 Kgs (9.26 lbs.)                |                  |
| Shipping Weight (4 pcs) | 17 Kgs (38 lbs.)  |                  | 20.5 Kgs (45 lbs.)                 |                  |
| Shipping Meas't (4 pcs) | 3.5 cuft  |                  |                                    |                  |
| Mounting                | U type Stainless Steel Bracket                                |                  |                                    |                  |

Optional  
 B8-10-0091 Multi bracket-Black  
 B8-19-0091 Multi bracket-White

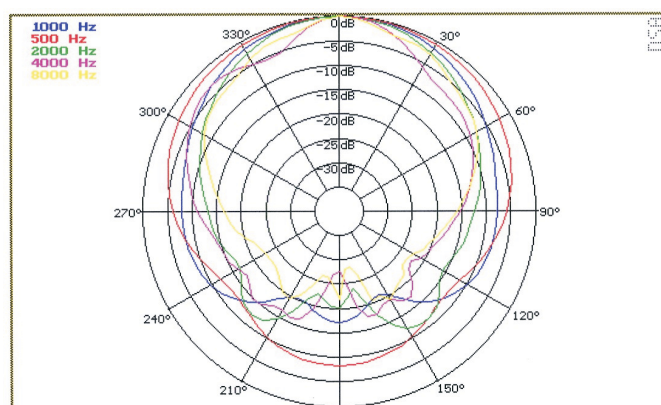


Unit: mm

Frequency Response



Polar Plot



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Public Address Loudspeakers