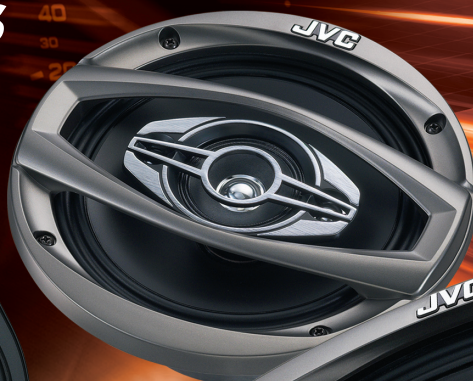


# cs-HX8 Series



## CS-HX7158

7" x 10" 5-Way Coaxial Speakers

## CS-HX6958

6" x 9" 5-Way Coaxial Speakers

## CS-HX748

6-3/4" 4-Way Coaxial Speakers

## CS-HX6948

6" x 9" 4-Way Coaxial Speakers

## CS-HX648

6-1/2" 4-Way Coaxial Speakers

## CS-HX6848

6" x 8" 4-Way Coaxial Speakers

## CS-HX638

6-1/2" 3-Way Coaxial Speakers

## CS-HX538

5-1/4" 3-Way Coaxial Speakers

## CS-HX438

4" 3-Way Coaxial Speakers

Shallow  
&  
Slim Design

Various  
Sizes

Twin Roll  
Surround

Large  
Magnets

Mica  
Aramid Fiber

## Key Benefits

The slim and shallow design speakers in various sizes can be installed in a wide range of vehicles, providing powerful quality sound with large magnets and Twin Roll Surround.

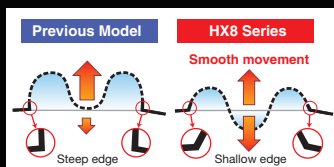
### Large Magnets

Large magnets provide enough force to drive even the lowest frequencies.



### Twin Roll Surround

The Twin Roll Surround can move in vertically symmetrical amplitudes. This offers increased total amplitude, better sound pressure, and less distortion, which enables the speakers to deliver every sound from low to high frequencies. The shallower edge on the HX8 Series allows smoother motion for clear, brisk sound.



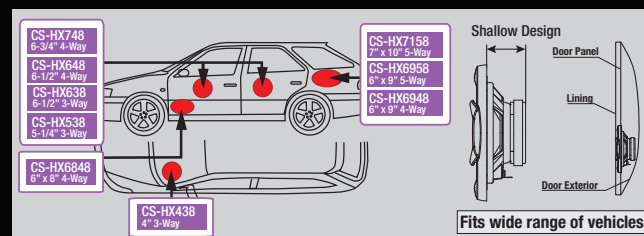
### Mica Aramid Fiber + Carbon Fiber Composite Olefin Cone Woofer

The woofer cone is reinforced by adding mica to aramid fiber + carbon fiber composite, to provide more powerful and dynamic bass reproduction.



### Shallow & Slim Size

The speakers are designed with a shallower midrange and grille for a slim mounting depth, which can fit various types of cars.



Speakers



MOBILE ENTERTAINMENT

# cs-HX8 Series

## Key Specifications

|                                                   | CS-HX7158                                         | CS-HX6958                                         | CS-HX6948                                         | CS-HX6848                                         | CS-HX748                                          | CS-HX648                                          | CS-HX638                                          | CS-HX538                                          | CS-HX438                                          |
|---------------------------------------------------|---------------------------------------------------|---------------------------------------------------|---------------------------------------------------|---------------------------------------------------|---------------------------------------------------|---------------------------------------------------|---------------------------------------------------|---------------------------------------------------|---------------------------------------------------|
| <b>Woofer</b>                                     |                                                   |                                                   |                                                   |                                                   |                                                   |                                                   |                                                   |                                                   |                                                   |
| Type                                              | 5-Way Coaxial                                     | 5-Way Coaxial                                     | 4-Way Coaxial                                     | 4-Way Coaxial                                     | 4-Way Coaxial                                     | 4-Way Coaxial                                     | 3-Way Coaxial                                     | 3-Way Coaxial                                     | 3-Way Coaxial                                     |
| Size                                              | 7" x 10" (18 x 25 cm)                             | 6" x 9" (15 x 23 cm)                              | 6" x 9" (15 x 23 cm)                              | 6" x 8" (15 x 20 cm)                              | 6 3/4" (17 cm)                                    | 6 1/2" (16 cm)                                    | 6 1/2" (16 cm)                                    | 5 1/4" (13 cm)                                    | 4" (10 cm)                                        |
| Mica Aramid Fiber + Carbon Fiber Composite Olefin | Mica Aramid Fiber + Carbon Fiber Composite Olefin | Mica Aramid Fiber + Carbon Fiber Composite Olefin | Mica Aramid Fiber + Carbon Fiber Composite Olefin | Mica Aramid Fiber + Carbon Fiber Composite Olefin | Mica Aramid Fiber + Carbon Fiber Composite Olefin | Mica Aramid Fiber + Carbon Fiber Composite Olefin | Mica Aramid Fiber + Carbon Fiber Composite Olefin | Mica Aramid Fiber + Carbon Fiber Composite Olefin | Mica Aramid Fiber + Carbon Fiber Composite Olefin |
| Twin Roll Rubber Edge                             | ✓                                                 | ✓                                                 | ✓                                                 | ✓                                                 | ✓                                                 | ✓                                                 | ✓                                                 | ✓                                                 | ✓                                                 |
| Magnet                                            | Strontium Magnet (25.6 oz)                        | Strontium Magnet (20.1 oz)                        | Strontium Magnet (17.8 oz)                        | Strontium Magnet (11.7 oz)                        | Strontium Magnet (11.7 oz)                        | Strontium Magnet (11.7 oz)                        | Strontium Magnet (8 oz)                           | Strontium Magnet (6.4 oz)                         | Strontium Magnet (5.4 oz)                         |
| <b>Midrange</b>                                   |                                                   |                                                   |                                                   |                                                   |                                                   |                                                   |                                                   |                                                   |                                                   |
| Size                                              | 2 5/8" (6.6 cm)                                   | 2 5/8" (6.6 cm)                                   | 2 5/8" (6.6 cm)                                   | 1 31/32" (5 cm)                                   | 1 31/32" (5 cm)                                   | 1 31/32" (5 cm)                                   | 1-31/32" (5 cm)                                   | 1 31/32" (5 cm)                                   | 1" (2.5 cm)                                       |
| HHC Cone                                          | ✓                                                 | ✓                                                 | ✓                                                 | ✓                                                 | ✓                                                 | ✓                                                 | ✓                                                 | ✓                                                 | ✓                                                 |
| Magnet                                            | Strontium Magnet                                  | Strontium Magnet                                  | Strontium Magnet                                  | Neodymium Magnet                                  | Neodymium Magnet                                  | Neodymium Magnet                                  | Neodymium Magnet                                  | Neodymium Magnet                                  | Neodymium Magnet                                  |
| <b>Tweeter</b>                                    |                                                   |                                                   |                                                   |                                                   |                                                   |                                                   |                                                   |                                                   |                                                   |
| Size                                              | 1" (2.5 cm)                                       | 1" (2.5 cm)                                       | 1" (2.5 cm)                                       | 19/32" (1.5 cm)                                   | 19/32" (1.5 cm)                                   | 19/32" (1.5 cm)                                   | 1/2" (1.2 cm)                                     | 1/2" (1.2 cm)                                     | 1/2" (1.2 cm)                                     |
| Type                                              | Metal Coated Poly-Ether Imide Balanced            | Metal Coated Poly-Ether Imide Balanced            | Metal Coated Poly-Ether Imide Balanced            | Metal Coated Poly-Ether Imide Dome                | Metal Coated Poly-Ether Imide Dome                | Metal Coated Poly-Ether Imide Dome                | Metal Coated Poly-Ether Imide Dome                | Metal Coated Poly-Ether Imide Dome                | Metal Coated Poly-Ether Imide Dome                |
| Magnet                                            | Neodymium Magnet                                  | Neodymium Magnet                                  | Neodymium Magnet                                  |                                                   |                                                   |                                                   |                                                   |                                                   |                                                   |
| <b>Super Tweeter</b>                              |                                                   |                                                   |                                                   |                                                   |                                                   |                                                   |                                                   |                                                   |                                                   |
| Size                                              | 19/32" (1.5 cm)                                   | 19/32" (1.5 cm)                                   | 19/32" (1.5 cm)                                   | 1/2" (1.2 cm)                                     | 1/2" (1.2 cm)                                     | 1/2" (1.2 cm)                                     |                                                   |                                                   |                                                   |
| Type                                              | Metal Coated Poly-Ether Imide                     | Metal Coated Poly-Ether Imide                     | Metal Coated Poly-Ether Imide                     | Metal Coated Poly-Ether Imide                     | Metal Coated Poly-Ether Imide                     | Metal Coated Poly-Ether Imide                     |                                                   |                                                   |                                                   |
| <b>Super Tweeter 2</b>                            |                                                   |                                                   |                                                   |                                                   |                                                   |                                                   |                                                   |                                                   |                                                   |
| Size                                              | 1/2" (1.2 cm)                                     | 1/2" (1.2 cm)                                     |                                                   |                                                   |                                                   |                                                   |                                                   |                                                   |                                                   |
| Type                                              | Metal Coated Poly-Ether Imide                     | Metal Coated Poly-Ether Imide                     |                                                   |                                                   |                                                   |                                                   |                                                   |                                                   |                                                   |
| <b>General</b>                                    |                                                   |                                                   |                                                   |                                                   |                                                   |                                                   |                                                   |                                                   |                                                   |
| Frequency Response                                | 25 - 30,000Hz                                     | 25 - 30,000Hz                                     | 25 - 30,000Hz                                     | 30 - 25,000Hz                                     | 30 - 25,000Hz                                     | 30 - 25,000Hz                                     | 30 - 25,000Hz                                     | 30 - 25,000Hz                                     | 45 - 24,000Hz                                     |
| Crossover Frequency                               | 4, 8, 12, 15kHz                                   | 4, 8, 12, 15kHz                                   | 4, 8, 12kHz                                       | 4, 8, 12kHz                                       | 4, 8, 12kHz                                       | 4, 8, 12kHz                                       | 5, 8kHz                                           | 5, 8kHz                                           | 5, 8kHz                                           |
| Power Handling Capacity (Peak)                    | 600W                                              | 510W                                              | 490W                                              | 310W                                              | 310W                                              | 310W                                              | 250W                                              | 230W                                              | 160W                                              |
| Power Handling Capacity (RMS)                     | 100W                                              | 80W                                               | 80W                                               | 50W                                               | 50W                                               | 50W                                               | 40W                                               | 40W                                               | 25W                                               |
| Impedance                                         | 4Ω                                                | 4Ω                                                | 4Ω                                                | 4Ω                                                | 4Ω                                                | 4Ω                                                | 4Ω                                                | 4Ω                                                | 4Ω                                                |
| Sound Pressure Level                              | 87 dB/W/m                                         | 87 dB/W/m                                         | 87 dB/W/m                                         | 85 dB/W/m                                         | 86 dB/W/m                                         | 85 dB/W/m                                         | 86 dB/W/m                                         | 85 dB/W/m                                         | 82.5 dB/W/m                                       |
| Mounting Depth                                    | 3 3/8" (85 mm)                                    | 3 3/16" (80.5 mm)                                 | 3 7/32" (81 mm)                                   | 2 13/32" (61 mm)                                  | 2-1/2" (63 mm)                                    | 2 9/32" (57 mm)                                   | 1 13/16" (45.5 mm)                                | 1 3/4" (44 mm)                                    | 1 25/32" (45 mm)                                  |

## Dimensions

