PROJECTOR SPEAKERS

UNI-DIRECTION

CSP-106/ 115D/ 210/ 220 (6W/ 15W/ 10W/ 20W)

The UNI-DIRECTION sound projectors have 3-position selections to adjust the sound power. They are good for music or speech reproduction and suitable for public addressing equipment.

CSP-106WP/ 115WP/ 210WP/ 220WP (6W/ 15W/ 10W/ 20W)

They are WEATHER-PROOF and suitable for indoor and outdoor use.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Input power:</td>
<td>RMS 6W</td>
<td>RMS 15W</td>
<td>RMS 10W</td>
<td>RMS 20W</td>
</tr>
<tr>
<td>Output power:</td>
<td>1.5, 3, 6W</td>
<td>3.75, 7.5, 15W</td>
<td>2.5, 5, 10W</td>
<td>5, 10, 20W</td>
</tr>
<tr>
<td>Speaker:</td>
<td>One 5.5&quot; paper cone speaker/plastic cone speaker</td>
<td>One 6.5&quot; paper cone speaker/plastic cone speaker</td>
<td>One 5.5&quot; paper cone speaker/plastic cone speaker</td>
<td>One 6.5&quot; paper cone speaker/plastic cone speaker</td>
</tr>
<tr>
<td>Input voltage:</td>
<td>50, 70, 100V</td>
<td>50, 70, 100V</td>
<td>50, 70, 100V</td>
<td>50, 70, 100V</td>
</tr>
<tr>
<td>Impedance:</td>
<td>6.6K / 3.3K / 1.66K</td>
<td>1.33K / 666 / 326</td>
<td>1K / 500 / 245</td>
<td>1K / 500 / 245</td>
</tr>
<tr>
<td>Frequency response:</td>
<td>100 - 20kHz</td>
<td>100 - 20kHz</td>
<td>100 - 20kHz</td>
<td>100 - 20kHz</td>
</tr>
<tr>
<td>S.P.L:</td>
<td>94dB (1W/ M)</td>
<td>94dB (1W/ M)</td>
<td>94dB (1W/ M)</td>
<td>94dB (1W/ M)</td>
</tr>
<tr>
<td>Material:</td>
<td>ABS resin</td>
<td>ABS resin</td>
<td>ABS resin</td>
<td>ABS resin</td>
</tr>
</tbody>
</table>

PROJECTOR SPEAKERS

BI-DIRECTION

CSP-106D/ 115D/ 210D/ 220D (6W/ 15W/ 10W/ 20W)

The BI-DIRECTION sound projectors have 3-position selections to adjust the sound power. Two speakers are mounted back to back in a good-looking, tough ABS casing, fastened by a mounting bracket. They are good for music or speech reproduction and suitable for public addressing equipments.

CSP-106DWP/ 115DWP/ 210DWP/ 220DWP (6W/ 15W/ 10W/ 20W)

With “WEATHER-PROOF” design, they are suitable for indoor and outdoor use.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Input power:</td>
<td>RMS 6W</td>
<td>RMS 15W</td>
<td>RMS 10W</td>
<td>RMS 20W</td>
</tr>
<tr>
<td>Output power:</td>
<td>1.5, 3, 6W</td>
<td>3.75, 7.5, 15W</td>
<td>2.5, 5, 10W</td>
<td>5, 10, 20W</td>
</tr>
<tr>
<td>Speaker:</td>
<td>Two 5.5&quot; paper cone speaker/plastic cone speaker</td>
<td>Two 6.5&quot; paper cone speaker/plastic cone speaker</td>
<td>Two 5.5&quot; paper cone speaker/plastic cone speaker</td>
<td>Two 6.5&quot; paper cone speaker/plastic cone speaker</td>
</tr>
<tr>
<td>Input voltage:</td>
<td>50, 70, 100V</td>
<td>50, 70, 100V</td>
<td>50, 70, 100V</td>
<td>50, 70, 100V</td>
</tr>
<tr>
<td>Impedance:</td>
<td>6.6K / 3.3K / 1.66K</td>
<td>1.33K / 666 / 326</td>
<td>1K / 500 / 245</td>
<td>1K / 500 / 245</td>
</tr>
<tr>
<td>Frequency response:</td>
<td>100 - 20kHz</td>
<td>100 - 20kHz</td>
<td>100 - 20kHz</td>
<td>100 - 20kHz</td>
</tr>
<tr>
<td>S.P.L:</td>
<td>94dB (1W/ M)</td>
<td>94dB (1W/ M)</td>
<td>94dB (1W/ M)</td>
<td>94dB (1W/ M)</td>
</tr>
<tr>
<td>Material:</td>
<td>ABS resin</td>
<td>ABS resin</td>
<td>ABS resin</td>
<td>ABS resin</td>
</tr>
</tbody>
</table>
With more than 25 years experience in P.A. system, SEIKAKU combines the Matching Transformer and the Trumpet Horn to complete 40W/60W TC/TS Series horn speakers. People do not need to buy an additional transformer for the selectable round or square shape TC/TS horn speakers.

**TC-SERIES/ TS-SERIES**

**TC-SERIES (IP65)**

- **Type:** Round (12’’)
- **Input power:** RMS 40W
- **Output power:** 10W/20W/40W
- **Input voltage:** 100V/70V/50V
- **Input impedance:** 70V/500Ω/250Ω
- **Frequency range:** 480Hz—5kHz (-10dB)
- **Sound pressure level:** 120dB (1W/1m)
- **Ambient temperature range:** -25~+55°C
- **S.P.L.:** 110dB (1W/1m)
- **Material:** Aluminum

<table>
<thead>
<tr>
<th>MODEL</th>
<th>TC-1240CVH/ CVY</th>
<th>TS-1240CVH/ CVY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Round (12’’)</td>
<td>Square (12’’)</td>
</tr>
<tr>
<td>Input power</td>
<td>RMS 40W</td>
<td>RMS 60W</td>
</tr>
<tr>
<td>Output power</td>
<td>10W/20W/40W</td>
<td>10W/20W/40W</td>
</tr>
<tr>
<td>Input voltage</td>
<td>100V/70V/50V</td>
<td>100V/70V/50V</td>
</tr>
<tr>
<td>Input impedance</td>
<td>70V-500Ω/250Ω</td>
<td>70V-500Ω/250Ω</td>
</tr>
<tr>
<td>Frequency range</td>
<td>480Hz—5kHz (-10dB)</td>
<td>480Hz—5kHz (-10dB)</td>
</tr>
<tr>
<td>Sound pressure level</td>
<td>125dB (1W/1m)</td>
<td>125dB (1W/1m)</td>
</tr>
<tr>
<td>Ambient temperature range</td>
<td>-25~+55°C</td>
<td>-25~+55°C</td>
</tr>
<tr>
<td>S.P.L.</td>
<td>110dB (1W/1m)</td>
<td>110dB (1W/1m)</td>
</tr>
<tr>
<td>Material</td>
<td>Aluminum</td>
<td>Aluminum</td>
</tr>
</tbody>
</table>

**TS-SERIES (IP65)**

- **Type:** Round (12’’)
- **Input power:** RMS 60W
- **Output power:** 10W/20W/40W
- **Input voltage:** 100V/70V/50V
- **Input impedance:** 70V-500Ω/250Ω
- **Frequency range:** 480Hz—5kHz (-10dB)
- **Sound pressure level:** 123dB (1W/1m)
- **Ambient temperature range:** -25~+55°C
- **S.P.L.:** 113dB (1W/1m)
- **Material:** Aluminum

<table>
<thead>
<tr>
<th>MODEL</th>
<th>TC-1240CVH/ CVY</th>
<th>TS-1240CVH/ CVY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Round (12’’)</td>
<td>Square (12’’)</td>
</tr>
<tr>
<td>Input power</td>
<td>RMS 60W</td>
<td>RMS 60W</td>
</tr>
<tr>
<td>Output power</td>
<td>10W/20W/40W</td>
<td>10W/20W/40W</td>
</tr>
<tr>
<td>Input voltage</td>
<td>100V/70V/50V</td>
<td>100V/70V/50V</td>
</tr>
<tr>
<td>Input impedance</td>
<td>70V-500Ω/250Ω</td>
<td>70V-500Ω/250Ω</td>
</tr>
<tr>
<td>Frequency range</td>
<td>480Hz—5kHz (-10dB)</td>
<td>480Hz—5kHz (-10dB)</td>
</tr>
<tr>
<td>Sound pressure level</td>
<td>125dB (1W/1m)</td>
<td>125dB (1W/1m)</td>
</tr>
<tr>
<td>Ambient temperature range</td>
<td>-25~+55°C</td>
<td>-25~+55°C</td>
</tr>
<tr>
<td>S.P.L.</td>
<td>110dB (1W/1m)</td>
<td>110dB (1W/1m)</td>
</tr>
<tr>
<td>Material</td>
<td>Aluminum</td>
<td>Aluminum</td>
</tr>
</tbody>
</table>

**TC-SERIES (IP65)**

- **Type:** Square (15’’)
- **Input power:** RMS 40W
- **Output power:** 10W/20W/40W
- **Input voltage:** 100V/70V/50V
- **Input impedance:** 70V-500Ω/250Ω
- **Frequency range:** 480Hz—5kHz (-10dB)
- **Sound pressure level:** 120dB (1W/1m)
- **Ambient temperature range:** -25~+55°C
- **S.P.L.:** 110dB (1W/1m)
- **Material:** Aluminum

<table>
<thead>
<tr>
<th>MODEL</th>
<th>TC-1240CVH/ CVY</th>
<th>TS-1240CVH/ CVY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Round (15’’)</td>
<td>Square (15’’)</td>
</tr>
<tr>
<td>Input power</td>
<td>RMS 40W</td>
<td>RMS 60W</td>
</tr>
<tr>
<td>Output power</td>
<td>10W/20W/40W</td>
<td>10W/20W/40W</td>
</tr>
<tr>
<td>Input voltage</td>
<td>100V/70V/50V</td>
<td>100V/70V/50V</td>
</tr>
<tr>
<td>Input impedance</td>
<td>70V-500Ω/250Ω</td>
<td>70V-500Ω/250Ω</td>
</tr>
<tr>
<td>Frequency range</td>
<td>480Hz—5kHz (-10dB)</td>
<td>480Hz—5kHz (-10dB)</td>
</tr>
<tr>
<td>Sound pressure level</td>
<td>125dB (1W/1m)</td>
<td>125dB (1W/1m)</td>
</tr>
<tr>
<td>Ambient temperature range</td>
<td>-25~+55°C</td>
<td>-25~+55°C</td>
</tr>
<tr>
<td>S.P.L.</td>
<td>110dB (1W/1m)</td>
<td>110dB (1W/1m)</td>
</tr>
<tr>
<td>Material</td>
<td>Aluminum</td>
<td>Aluminum</td>
</tr>
</tbody>
</table>
PUBLIC ADDRESS SYSTEM

P.A. SPEAKERS

HORN SPEAKERS (WITH MATCHING TRANSFORMER)

TC-10AH, 10BH, 10BY
TC-15AH, 15BH, 15BY
TC-30H, 30AH, 30BH, 30BY

Round type horn speakers. The material of horn flat is aluminum.
ABS resin for inner horn and rear cover.
Powder painting, Pantone No.: Cool gray 6C Includes line transformer for constant voltage.
It can be select the output power from different impedance.
These series for 25V, 70V or 100V line input.

TC-10AH

TC-15AH

TC-30AH (IP66)

TC-30AH (IP66)

YS-15

YS-15 (FOR TC/ SC-10Y, 15Y, 30Y-series)

TC-30AH

TC-10AH

TC-15AH

TC-30AH (IP66)

“Y” shaped mounting bracket

“U” shaped mounting bracket (Enclosing)

These weatherproof horn speakers provide performance even in the harshest environments.
Straight and ultra high power horns give a highly articulate sound performance in high noise areas or at large gatherings of people.
TC-XX this series is used for line only.
TC-XX this series is used for or .
The last model code “H” or “Y”. is for horn speaker mounting bracket.
Y is for horn speaker swivel bracket.

MODEL

TC-10AH

TC-15AH

MODEL

TC-30AH

H-(FOR TC/ SC-10H, 15H, 30H-series)

• Dimensions (LxWxH): 143x118x25mm (For TC-10H Series)
127x104x25mm (For TC-10,15H Series)
• Finish: metal, dark gray.

Input power (RMS):
10W (100V line)

Input impedance:
670Ω, 1KΩ, 2KΩ, 3.3KΩ, 10KΩ

Preset impedance:
1KΩ

Frequency response:
50Hz—6kHz (-10dB)

Output power:
1, 3, 5, 10W

S.P.L.: 103dB (1W/M)

Material: Aluminum

YS-15 (FOR TC/ SC-10Y, 15Y, 30Y-series)

The swivel bracket is hinged support for orientating the speaker in any direction.
• Dimensions: 95.5(H) 72mm (3.8” 2.8”)
• Finish: zinc die-cast, die-cast gray or Ivory color.
• Weight: 0.43kg (1 lb)

MODEL

TC-30AH

Input power (RMS):
30W (100V line)

Input impedance:
330Ω, 470Ω, 1KΩ, 2KΩ, 3.3KΩ, 10KΩ

Preset impedance:
330Ω

Frequency response:
350Hz—6kHz (-10dB)

Output power:
1, 3, 5, 10, 15, 30W

S.P.L.: 107dB (1W/M)

Material: Aluminum

MODEL

TC-30AH

Input power (RMS):
30W (100V line)

Input impedance:
470Ω, 1KΩ, 2KΩ, 3.3KΩ, 10KΩ

Preset impedance:
470Ω

Frequency response:
450Hz—6kHz (-10dB)

Output power:
1, 3, 5, 10, 15, 30W

S.P.L.: 107dB (1W/M)

Material: Aluminum
HORN SPEAKERS (WITH MATCHING TRANSFORMER)

**SC SERIES**

SC-10H, 10AH, 10AY, 10BY / SC-15H, 15AH, 15AY, 15BY / SC-30H, 30AH, 30AY, 30BY, 30BH, 30BY, 30BH

Square type horn speakers. ABS resin for horn flat, inner horn and rear cover. Ivory color No. 1205C. Also includes line transformer for constant voltage. It can select the output power from different impedances. SC-XXA this series is used for 100V line only. SC-XYB this series is used for 25V or 70V. SC-XYD this series is used for 25V or 70V and 8Ω input.

**H- (FOR SC-10H, 15H, 30H-series)**

- Dimensions (LxWxH): 143x118x25mm (for SC/SC-15 127x104x25mm (for SC/SC-10, 15)
- Finish: metal, dark gray or ivory color.

**YS-15 (FOR TC/SC-10Y, 15Y, 30Y-series)**

The swivel bracket is hinged support for orientating the speaker in any direction.

**CS-6A**

Cylindrical body in shock-resistant ABS plastic. One wide range 12cm paper cone speaker built in case. Includes line transformer for constant voltage system. It is possible to select the output power from 3 more different values. CS-15A/15R/15Y with 100V line input. CS-30A/30R/30Y with 50V, 70V, 100V line input.

### CS-6A

<table>
<thead>
<tr>
<th>MODEL</th>
<th>SC-10A/-AY</th>
<th>SC-15A/-AY</th>
<th>SC-30A/-AY</th>
<th>SC-30M</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input power (RMS):</td>
<td>10W (100V line)</td>
<td>15W (100V line)</td>
<td>30W (100V line)</td>
<td>30W (100V line)</td>
</tr>
<tr>
<td>Input impedance:</td>
<td>3Ω</td>
<td>3.3KΩ</td>
<td>4.7KΩ</td>
<td>4.7KΩ</td>
</tr>
<tr>
<td>Pre-set impedance:</td>
<td>6Ω</td>
<td>6.7KΩ</td>
<td>10KΩ</td>
<td>10KΩ</td>
</tr>
<tr>
<td>Frequency range:</td>
<td>75Hz ~ 15kHz</td>
<td>75Hz ~ 15kHz</td>
<td>75Hz ~ 15kHz</td>
<td>75Hz ~ 15kHz</td>
</tr>
<tr>
<td>S.P.L.:</td>
<td>75dB</td>
<td>85dB</td>
<td>100dB</td>
<td>100dB</td>
</tr>
<tr>
<td>Material:</td>
<td>ABS resin</td>
<td>ABS resin</td>
<td>ABS resin</td>
<td>ABS resin</td>
</tr>
</tbody>
</table>

**Horn Speakers (with matching transformer)**

**CS-15A/30A/15R/30R**

The body is shock-resistant ABS plastic. One wide range high efficient 12cm paper cone speaker built in case. Includes line transformer for constant voltage system. It is possible to select the output power from 3 more different values. CS-15A/15R/15Y with 100V line input. CS-30A/30R/30Y with 50V, 70V, 100V line input.

### CS-15A/30A/15R/30R

<table>
<thead>
<tr>
<th>MODEL</th>
<th>SC-10A/-AY</th>
<th>SC-15A/-AY</th>
<th>SC-30A/-AY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input power (RMS):</td>
<td>15W (100V line)</td>
<td>30W (50V, 70V line)</td>
<td>30W (50V, 70V line)</td>
</tr>
<tr>
<td>Input impedance:</td>
<td>3Ω</td>
<td>6.7KΩ</td>
<td>3.3KΩ</td>
</tr>
<tr>
<td>Pre-set impedance:</td>
<td>6Ω</td>
<td>10KΩ</td>
<td>10KΩ</td>
</tr>
<tr>
<td>Frequency range:</td>
<td>75Hz ~ 15kHz</td>
<td>75Hz ~ 15kHz</td>
<td>75Hz ~ 15kHz</td>
</tr>
<tr>
<td>Built-in speaker:</td>
<td>12cm paper cone speaker</td>
<td>12cm paper cone speaker</td>
<td>12cm paper cone speaker</td>
</tr>
<tr>
<td>Output power level:</td>
<td>95dB (1W/1M)</td>
<td>106dB (1W/1M)</td>
<td>106dB (1W/1M)</td>
</tr>
<tr>
<td>Weight (Approx.):</td>
<td>1.4 kg (3.09lbs)</td>
<td>3.2kg (7.06 lbs)</td>
<td>3.2kg (7.06 lbs)</td>
</tr>
</tbody>
</table>

The above 5 speaker units (CS-6A/15A/15R/30A/30R) are weatherproof. However, please do not install them in locations where they are subject to direct rain.
**HORN SPEAKERS**

- **TC-15P/25P**
  - Round type horn speakers.
  - Horn speakers of aluminum material.
  - High effect and 8Ω impedance is easy to install.
  - Powder painting, Pantone No.: Cool gray 6C

- **SC-25P/35A**
  - Square type horn speakers.
  - Horn speakers of aluminum material.
  - The square speakers show especially good effect and 8Ω impedance is easy to install.
  - Powder painting, Pantone No.: Cool gray 6C

- **TC-1240/1440/1640**
  - Round type horn speakers.
  - Horn speakers of aluminum material.
  - High effect and 8Ω impedance is easy to install.
  - Powder painting, Pantone No.: Cool gray 6C

<table>
<thead>
<tr>
<th>MODEL</th>
<th>TC-15P</th>
<th>SC-25P</th>
<th>SC-35A</th>
<th>TC-1640</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type:</td>
<td>Round 4”</td>
<td>Round 10”</td>
<td>Square 25W</td>
<td>Round 12”</td>
</tr>
<tr>
<td>Input power (RMS):</td>
<td>15W</td>
<td>25W</td>
<td>35W</td>
<td>40W</td>
</tr>
<tr>
<td>Impedance:</td>
<td>8Ω</td>
<td>8Ω</td>
<td>8Ω</td>
<td>8Ω</td>
</tr>
<tr>
<td>Frequency response:</td>
<td>300—800Hz</td>
<td>300—900Hz</td>
<td>300—10kHz</td>
<td>250—7kHz</td>
</tr>
<tr>
<td>S.P.L:</td>
<td>107dB</td>
<td>107dB</td>
<td>100dB</td>
<td>109dB</td>
</tr>
<tr>
<td>Material:</td>
<td>Aluminum</td>
<td>Aluminum</td>
<td>Aluminum</td>
<td>Aluminum</td>
</tr>
<tr>
<td>Weight (Approx.):</td>
<td>0.85kg (1.87 lbs)</td>
<td>1.1kg (2.43 lbs)</td>
<td>0.84kg (1.85 lbs)</td>
<td>2.0kg (4.41 lbs)</td>
</tr>
</tbody>
</table>
### DRIVER UNITS

**TU-35/TU-60/TU-100/TU-120/TU-150**

<table>
<thead>
<tr>
<th>Model</th>
<th>Input Power (RMS)</th>
<th>Impedance</th>
<th>Frequency Response</th>
<th>S.P.L.</th>
<th>Dimensions</th>
<th>Weight (Approx.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TU-35</td>
<td>35W</td>
<td>16Ω</td>
<td>150Hz-4kHz</td>
<td>114dB</td>
<td>100Hz-1kHz</td>
<td>2.1kg (4.61 lbs)</td>
</tr>
<tr>
<td>TU-60</td>
<td>60W</td>
<td>16Ω</td>
<td>150Hz-4kHz</td>
<td>115dB</td>
<td>100Hz-1kHz</td>
<td>3.8kg (8.38 lbs)</td>
</tr>
<tr>
<td>TU-100</td>
<td>100W</td>
<td>16Ω</td>
<td>150Hz-4kHz</td>
<td>112dB</td>
<td>100Hz-1kHz</td>
<td>6.0kg (13.22 lbs)</td>
</tr>
<tr>
<td>TU-120</td>
<td>120W</td>
<td>16Ω</td>
<td>150Hz-4kHz</td>
<td>110dB</td>
<td>100Hz-1kHz</td>
<td>6.0kg (13.22 lbs)</td>
</tr>
<tr>
<td>TU-150</td>
<td>150W</td>
<td>16Ω</td>
<td>150Hz-6kHz</td>
<td>112dB</td>
<td>100Hz-1kHz</td>
<td>6.0kg (13.22 lbs)</td>
</tr>
</tbody>
</table>

1. This series can be connected with 1/3”-8N threaded horn.
2. Includes line transformer for constant voltage.
3. Watertight construction.
4. Compression chamber and bottom pressure die-cast aluminum.

### DRIVER UNITS

**TU-35ML/60ML/80ML (WITH TRANSFORMER)**

<table>
<thead>
<tr>
<th>Model</th>
<th>Input Power (RMS)</th>
<th>Impedance</th>
<th>Frequency Response</th>
<th>S.P.L.</th>
<th>Dimensions</th>
<th>Weight (Approx.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TU-35ML</td>
<td>35W</td>
<td>16Ω</td>
<td>150Hz-4kHz</td>
<td>114dB</td>
<td>100Hz-1kHz</td>
<td>2.1kg (4.61 lbs)</td>
</tr>
<tr>
<td>TU-60ML</td>
<td>60W</td>
<td>16Ω</td>
<td>150Hz-4kHz</td>
<td>115dB</td>
<td>100Hz-1kHz</td>
<td>3.8kg (8.38 lbs)</td>
</tr>
<tr>
<td>TU-80ML</td>
<td>80W</td>
<td>16Ω</td>
<td>150Hz-4kHz</td>
<td>112dB</td>
<td>100Hz-1kHz</td>
<td>6.0kg (13.22 lbs)</td>
</tr>
</tbody>
</table>

1. This series can be connected with 1/3”-8N threaded horn.
2. Includes line transformer for constant voltage.
3. Watertight construction.
4. Compression chamber and bottom pressure die-cast aluminum.

#### Driver Unit

The driver unit in die-cast aluminum.

Pantone No.: Cool gray 6C

Models are equally suited for application with SHOW projector horns or as replacement drivers for use with standard 1 3/8”-18 male thread horns. High power and high efficiency. It provides highly articulate sound in any harshest environment.
**PUBLIC ADDRESS SYSTEM**

**P.A. SPEAKERS**

**COLUMN SPEAKERS**

**CS-212 / CS-212WP**
- Body in extruded aluminum, white color
- Metal front protection grille. Equipped with line transformer for 25V/70V/100V constant voltage systems
- Six-position rotary dial for adjusting the sound power
- 4 wide band speaker of 70mm diameter
- With plastic cone speaker only for weather-proof (for CS-212WP)

**CS-220 / CS-220WP**
- Body in extruded aluminum, white color
- Metal front protection grille. Equipped with line transformer for 25V/70V/100V constant voltage systems
- Four-position rotary dial for adjusting the sound power
- With plastic cone speaker only for weather-proof (for CS-220WP)

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**MODEL**

**CS-212 (INDOOR)**
- **Input power:** RMS 12W/Max 24W
- **Output power:** 1.5, 3, 6, 12W
- **Speaker:** 4 wide band speakers of 70mm diameter (2.5” paper cone speaker)
- **Input voltage:** 25, 70, 100V
- **Impedance:** 100W: 6.8KΩ/3.3KΩ/1.66KΩ/0.83Ω
  70V: 3.26KΩ/1.63KΩ/0.816KΩ/0.408Ω
  25V: 416Ω/208Ω/104Ω/52Ω
- **Frequency response:** 250Hz~20kHz (-10dB)
- **S.P.L.:** 94dB (1W/M)
- **Material:** Aluminum

**CS-212WP (IP44) (OUTDOOR)**
- **Input power:** RMS 12W/Max 24W
- **Output power:** 1.5, 3, 6, 12W
- **Speaker:** 4 wide band speakers of 70mm diameter (2.5” plastic cone speaker)
- **Input voltage:** 25, 70, 100V
- **Impedance:** 100W: 6.6KΩ/3.3KΩ/1.66KΩ/0.83Ω
  70V: 3.26KΩ/1.63KΩ/0.816KΩ/0.408Ω
  25V: 416Ω/208Ω/104Ω/52Ω
- **Frequency response:** 250Hz~20kHz (-10dB)
- **S.P.L.:** 94dB (1W/M)
- **Material:** Aluminum

**CS-220 (INDOOR)**
- **Input power:** RMS 20W/Max 40W
- **Output power:** 2.5, 5, 10, 20W
- **Speaker:** 7 wide band speakers of 70mm diameter (2.5” paper cone speaker)
- **Input voltage:** 25, 70, 100V
- **Impedance:** 100V: 4KΩ/2KΩ/1KΩ/500Ω
  70V: 2KΩ/1KΩ/500Ω/250Ω
  25V: 250Ω/125Ω/62Ω/31Ω
- **Frequency response:** 250Hz~20kHz (-10dB)
- **S.P.L.:** 94dB (1W/M)
- **Material:** Aluminum

**CS-220WP (IP44) (OUTDOOR)**
- **Input power:** RMS 20W/Max 40W
- **Output power:** 2.5, 5, 10, 20W
- **Speaker:** 7 wide band speakers of 70mm diameter (2.5” plastic cone speaker)
- **Input voltage:** 25, 70, 100V
- **Impedance:** 100V: 4KΩ/2KΩ/1KΩ/500Ω
  70V: 2KΩ/1KΩ/500Ω/250Ω
  25V: 250Ω/125Ω/62Ω/31Ω
- **Frequency response:** 250Hz~20kHz (-10dB)
- **S.P.L.:** 94dB (1W/M)
- **Material:** Aluminum