Developed specifically for the unique requirements of professional motion picture playback, the SC-423C extends QSC's commitment to the cinema market. As a member of the DCS Digital Cinema Speaker Series, the SC-423C is a 3-way, selectable bi- or tri-amplified screen channel loudspeaker system comprised of two main units—the MH-1075C mid-high frequency system and the LF-4215 low-frequency system.

The MH-1075C mid-high system features a high output, horn loaded 10" midrange cone driver and a 3" (75mm) titanium diaphragm compression driver mounted to an adjustable pan and tilt bracket. The MH-1075C includes a driver protection network and a passive crossover for bi-amp operation. Power limiter circuitry protects the high-frequency driver from overpowering. The MH-1075C provides extended frequency coverage for the critical midrange band. A high power 10" cone driver allows operation as low as 250 Hz and the advanced phase plug coupling permits a crossover point of up to 1800 Hz to the high-frequency horn. This ensures that most of the dialog range is reproduced by a single element, for unmatched intelligibility.

The LF-4215 dual 15" (381mm) low-frequency enclosure is designed specifically to address the extended low-frequency response required for cinema applications. The LF-4215 covers the frequency range from 35 Hz to 250 Hz. Close Coupled Woofers (CCW), with their tight spacing between woofers, improves coupling and keeps coverage angles wide over a greater frequency range than more widely spaced designs.

The SC-423C is designed for ease of installation. The MH-1075C components come pre-assembled to reduce field assembly time. Three bolts are all that are required to secure the MH-1075C to the top of the LF-4215 enclosure.
## SC-423C Details

### Specifications

<table>
<thead>
<tr>
<th>Nominal Coverage</th>
<th>90° horizontal x +20 to -30° vertical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Range</td>
<td>32 Hz to 16 kHz (-6 dB)</td>
</tr>
<tr>
<td>Crossover Frequency</td>
<td>250 and 1700 Hz, 24 dB per octave</td>
</tr>
</tbody>
</table>

**LF-4215**

| Impedance | 4Ω  
| Sensitivity 1 watt/1 meter, half space | 99.5 dB |

<table>
<thead>
<tr>
<th>LF-4215</th>
<th>MH-1075C</th>
</tr>
</thead>
<tbody>
<tr>
<td>4Ω</td>
<td>8Ω</td>
</tr>
<tr>
<td>Bi-amp</td>
<td>Tri-amp</td>
</tr>
<tr>
<td>105 dB</td>
<td></td>
</tr>
<tr>
<td>MF 105 dB</td>
<td>HF 107.5 dB</td>
</tr>
</tbody>
</table>

**Maximum Input Power**

- 8 hours of 6 dB crest factor IEC 268 noise spectrum: 800 W RMS
- 2 hours of 6 dB crest factor pink noise, 50 Hz – 20 kHz, AES method: 1000 W RMS

**Recommended Amplifier Power**

- 1600 W RMS maximum
- 800 W RMS maximum

**Recommended Processing**

- Subsonic filter below 30 Hz, > 18 dB per octave
- 4th order LR crossover at 250 and 1700 Hz via QSC processor

**Connectors**

- Barrier strip screw terminals accept up to #10 AWG stranded wire
- Barrier strip screw terminals accept up to #10 AWG stranded wire

**Transducers**

- Two 15" (381 mm) high efficiency, extended bass woofers featuring 4" copper voice coils
- 10- high efficiency mid range, 1.5" (38 mm) exit, 3" titanium diaphragm compression driver

**Enclosure**

- Quasi B4 alignment, ported enclosure with fully flared ports, symmetrical port design, tuned to 36 Hz, constructed of MDF and heavily braced. Features vandal resistant woofer mounting bolts
- Tilt/Pan Bracket ±10° vertical tilt ±10° horizontal pan

**Dimensions (HWD)**

- 36" x 30" x 20.3" (470 mm x 762 mm x 516 mm)
- 39" x 30" x 20" (990 mm x 762 mm x 508 mm)

**Weight – Shipping**

- 167.5 lb (76 kg)
- 103 lb (47 kg)

**System Weight**

- 270.5 lb (123 kg)

**Baffle Cut-Out**

- 76" x 32"

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1) Maximum input power tested in accordance with IEC 60268-5 recommendations, 50 Hz – 20 kHz band limiting, 6 dB signal crest factor.

2) Maximum input power tested in accordance with IEC 60268-5 recommendations, 500 Hz – 2 kHz band limiting, 6 dB signal crest factor.
Specifications subject to change without notice.