



Features

- 3-way selectable, bi or tri-amplified screen channel system
- MH-1063 provides 90° horizontal by +20° to -30° vertical coverage
- LF-3215 is constructed of MDF and is heavily braced
- Low-distortion waveguides provide highly articulate dialogue
- Shallow depth (20") facilitates installation
- THX™ approved for professional cinema applications

Developed specifically for the unique requirements of professional motion picture playback, the SC-323 extends QSC's commitment to the cinema market. As a member of the DCS Digital Cinema Speaker Series, the SC-323 is a 3-way, selectable bi or tri-amplified screen channel loudspeaker system comprised of two main units—the MH-1063 mid-high frequency system and the LF-3215 low-frequency system.

The MH-1063 mid-high system features a high output, horn loaded 10" midrange cone driver and a 2.5" (63 mm) titanium diaphragm compression driver mounted to an adjustable pan and tilt bracket. The MH-1063 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-1063 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-3215 dual 15" (381 mm) low-frequency enclosure is designed specifically to address the extended low-frequency response required for cinema applications. The LF-3215 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-323 is designed for ease of installation. The MH-1063 components come pre-assembled to reduce field assembly time. Three bolts are all that are required to secure the MH-1063 to the top of the LF-3215 enclosure.

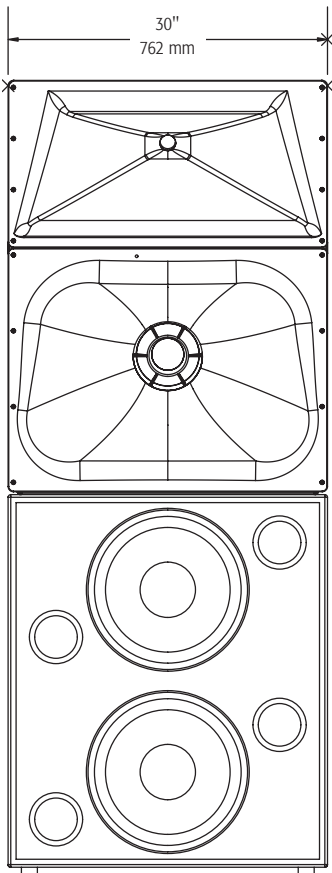
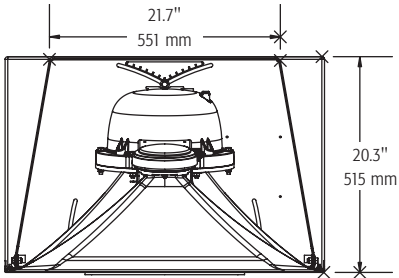
Specifications

SC-323

| | | | |
|---|---|---|----------------------------------|
| Nominal Coverage | 90° horizontal x +20 to -30° vertical | | |
| Frequency Range | 32 Hz – 16 kHz (-6 dB) | | |
| Crossover Frequency | 250 and 1700 Hz, 24 dB per octave | | |
| | LF-3215 | MH-1063 | |
| Impedance | 4Ω | 8Ω | |
| Sensitivity 1 watt/1 meter, half space | 98.5 dB | Bi-amp 105 dB | Tri-amp MF 105 dB HF 107.5 dB |
| Maximum Input Power ¹ | | | |
| 8 hours of 6 db crest factor IEC 268 noise spectrum | 600 W RMS | 250 W RMS ² passive mid-high | 275 W RMS 60 W RMS |
| 2 hours of 6 db crest factor pink noise, 50 Hz – 20 kHz, AES method | 800 W RMS | 350 W RMS | |
| Recommended Amplifier Power | 1200 W RMS maximum | 800 W RMS maximum | |
| Recommended Processing | Subsonic filter below 30 Hz, > 18 dB per octave | 4th order LR crossover at 200 and 1700 Hz via QSC DCM or QSControl.net™ | |
| 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" (381mm) high efficiency, extended bass woofer featuring 3" copper voice coils | 10" high efficiency mid range, 1.5" (38mm) exit, 2.5" 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" (910 mm x 762 mm x 516 mm) | 39" x 30" x 20" (990 mm x 762 mm x 508 mm) | |
| Weight – Net | 172 lb (78 kg) | 85 lbs (39 kg) | |
| System Weight | 257 lb (117 kg) | | |
| Baffle Cut-Out | 76" x 32" | | |

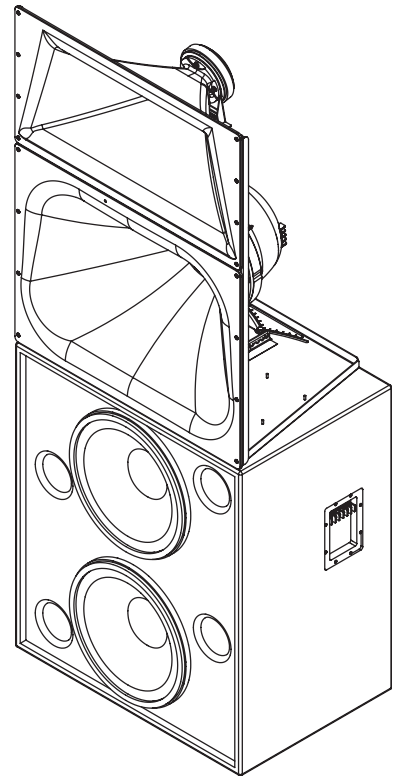
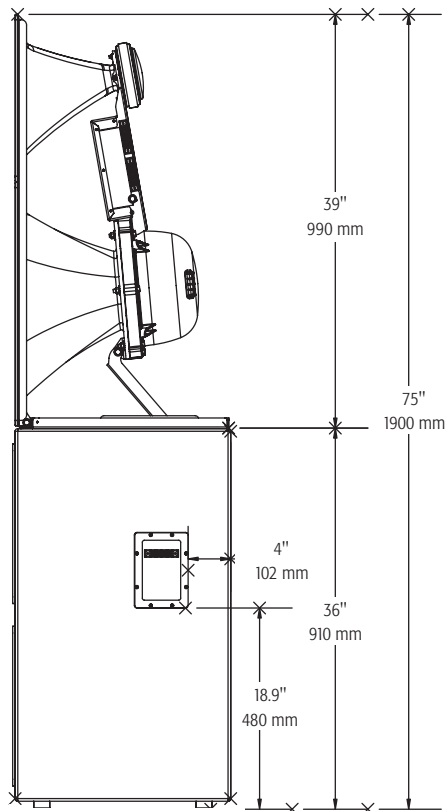
1) Maximum input power tested in accordance with IEC 268-5 recommendations, 50 Hz – 20 kHz band limiting, 6 dB signal crest factor.
2) Maximum input power tested in accordance with IEC 268-5 recommendations, 200 Hz – 2 kHz band limiting, 6 dB signal crest factor.

Top



Front

Side



Specifications subject to change without notice.

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