



Features

- 3-way selectable, bi or tri- amplified screen channel system
- MH-1075 provides 90° horizontal by +20° to -30° vertical coverage
- LF-4215 is constructed of MDF and features single woofer chambers
- 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-443 extends QSC's commitment to the cinema market. As a member of the DCS Digital Cinema Speaker Series, the SC-443 is a 3-way, selectable bi or tri-amplified screen channel loudspeaker system comprised of three main units—the MH-1075 high-frequency system and dual LF-4215 low-frequency systems.

The MH-1075 mid-high system features a high output, horn loaded 10" midrange cone driver and a 3" (75 mm) titanium diaphragm compression driver mounted to an adjustable pan and tilt bracket. The MH-1075 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-1075 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 enclosures are designed specifically to address the extended low-frequency response required for cinema applications. The dual LF-4215s cover 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-443 is designed for ease of installation. The MH-1075 components come pre-assembled to reduce field assembly time. Three bolts are all that are required to secure the MH-1075 to the top of the LF-4215 enclosure.

Specifications

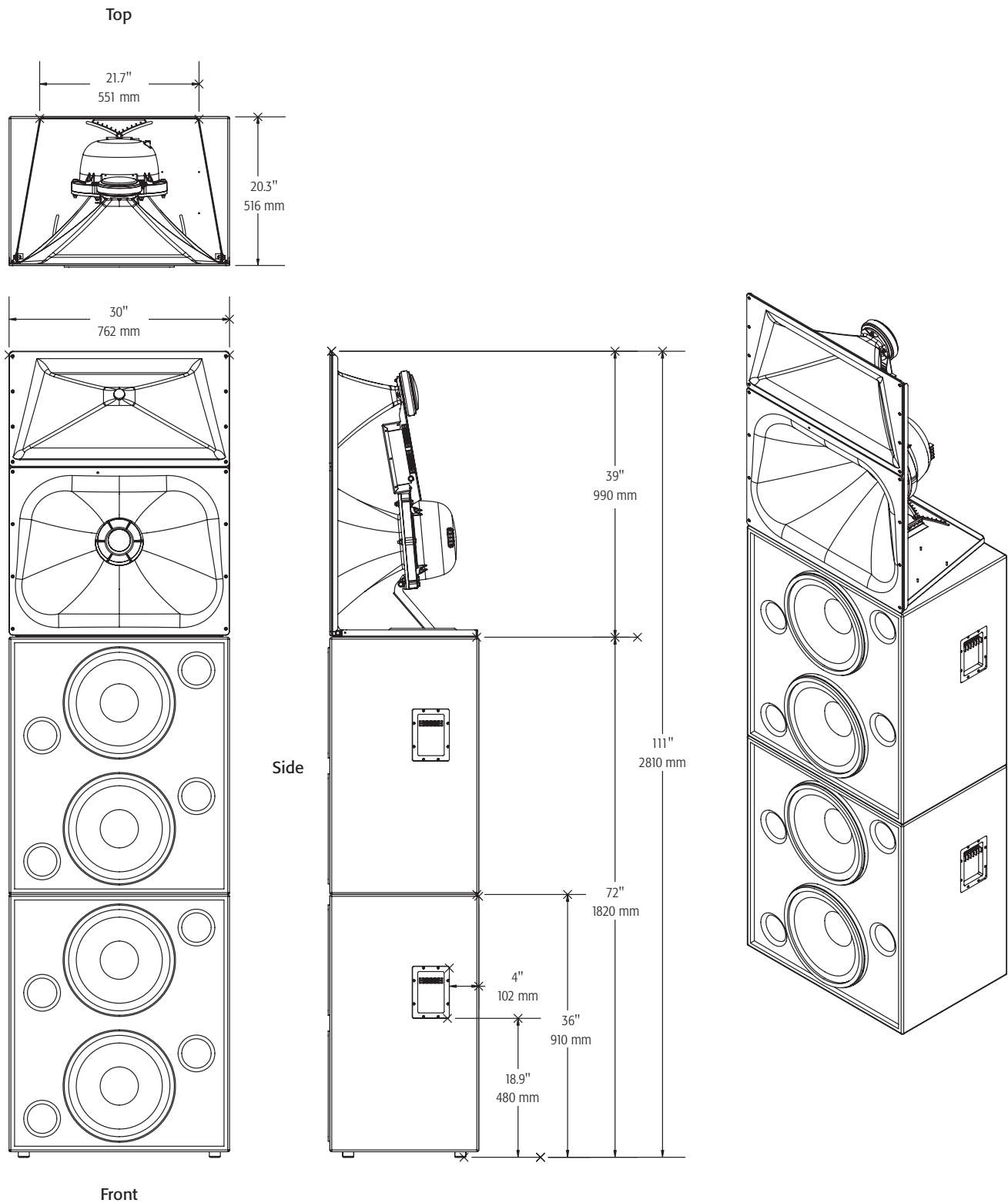
SC-443

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										
	(2) LF-4215	MH-1075									
Impedance	4Ω each	8Ω									
Sensitivity 1 watt/1 meter, half space	102.5 dB	Bi-amp 106 dB	Tri-amp MF 105 dB HF 107.5 dB								
Maximum Input Power ¹	<table border="0"> <tr> <td>8 hours of 6 db crest factor IEC 268 noise spectrum</td> <td>800 W RMS each</td> <td>250 W RMS² 275 W RMS</td> <td>80 W RMS</td> </tr> <tr> <td>2 hours of 6 db crest factor pink noise, 50 Hz – 20 kHz, AES method</td> <td>1000 W RMS each</td> <td colspan="2">350 W RMS</td> </tr> </table>			8 hours of 6 db crest factor IEC 268 noise spectrum	800 W RMS each	250 W RMS ² 275 W RMS	80 W RMS	2 hours of 6 db crest factor pink noise, 50 Hz – 20 kHz, AES method	1000 W RMS each	350 W RMS	
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Recommended Amplifier Power	1600 W RMS maximum each	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	Four 15" (381mm) high efficiency, extended bass woofer featuring 4" 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)	72" x 30" x 20.3" (1820 mm x 762 mm x 516 mm)	39" x 30" x 20" (990 mm x 762 mm x 508 mm)									
Weight – Net	344 lbs (156 kg)	85 lb (39 kg)									
System Weight	429 lb (195 kg)										
Baffle Cut-Out	111.6" 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.

SC-443

Dimensions



Specifications subject to change without notice.

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SC-443 Spec Sheet - 06/20/08

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