



## Cinema Loudspeaker System

### SC-322XC

#### Features

- Passive, 2-way, screen channel system
- HF-75CX2 provides 90° horizontal by +15° to -35° vertical coverage
- LF-3215 is constructed of MDF and features single woofer chambers
- Low-distortion waveguide provides highly articulate dialogue
- Shallow depth (20") facilitates installation



Developed specifically for the unique requirements of professional motion picture playback, the SC-322XC extends QSC's commitment to the cinema market. As a member of the DCS Digital Cinema Speaker Series, the SC-322XC is a passive, 2-way screen channel loudspeaker system comprised of two main units—the HF-75CX2 high-frequency system and the LF-3215 low-frequency system.

The HF-75CX2 high-frequency system features a 3" (75mm) titanium diaphragm compression driver mounted on a custom designed high-frequency cinema horn with an adjustable pan and tilt bracket. The HF-75CX2 includes a driver protection and equalization network. DC blocking capacitors protect against DC or low-frequency signals that would likely destroy an unprotected driver. Power limiter circuitry protects the driver from overpowering and a response correction filter smoothes the frequency response of the horn/driver combination. The driver and equalization network provides for more reliable operation, ensuring the show will go on. 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 32 Hz to 1000 Hz, depending upon the high-frequency system requirements. 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-322XC is designed for ease of installation. The HF-75CX2 components come pre-assembled to reduce field assembly time. Three bolts are all that are required to secure the HF-75CX2 to the top of the LF-3215 enclosure.

# SC-322XC Details

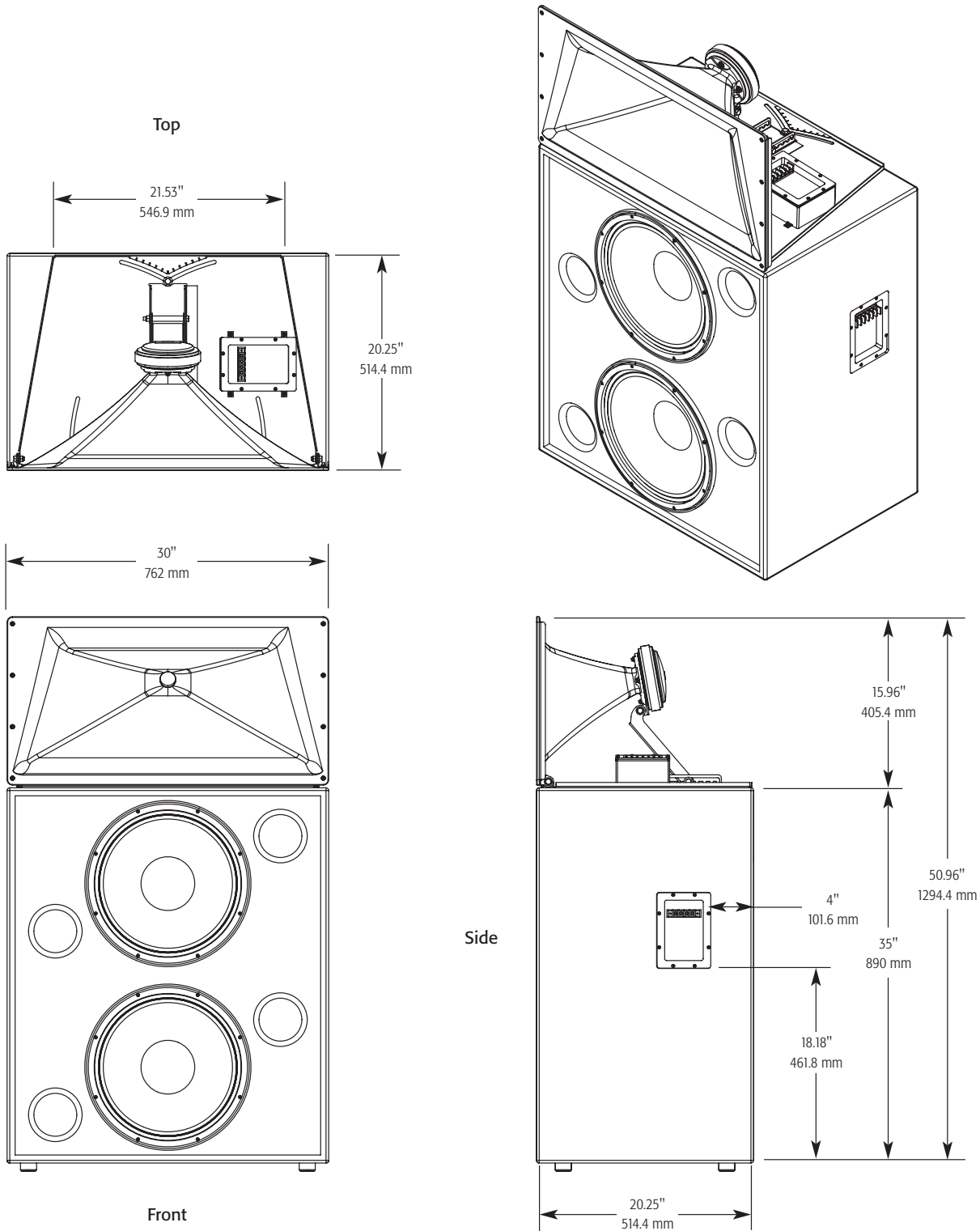
## Specifications

## SC-322XC

Nominal Coverage	90° horizontal x +15 to -35° vertical	
Frequency Range	32 Hz – 16 kHz (-6 dB)	
Impedance	4Ω	
Sensitivity 1 watt/1 meter, half space	97.5 dB	
Maximum Input Power <sup>1</sup>	2 hours of 6 dB crest factor pink noise, 300 W RMS 50 Hz – 20 kHz, AES method	
Recommended Amplifier Power	1200 W RMS maximum	
Recommended Processing	Subsonic filter below 30 Hz, > 18 dB per octave	
	<b>LF-3215</b>	<b>HF-75CX2</b>
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 woofers featuring 3" copper voice coil	1.5" (38mm) 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" (910 mm x 762 mm x 516 mm)	16" x 30" x 20" (406 mm x 762 mm x 508 mm)
Weight – Net	172 lb (78 kg)	40 lb (18.4 kg)
System Weight	212 lb (96.4 kg)	
Baffle Cut-Out	53" x 32"	

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

# SC-322XC Technical Drawing



Specifications subject to change without notice.



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