

APPLICATION

- For large cinema screen channel application

PRODUCT INFORMATION

The CSC723 represents a major advancement in cinema screen channel speaker design. Incorporating many new EAW engineering breakthroughs, the CSC723 is designed to provide optimal coverage in all cinemas, especially "stadium" seating auditoriums, where front-to-back coverage provides a difficult challenge for even the best conventional systems.

The three-way CSC723 features a multicomponent modular design which allows quick installation, with no assembly required on site.

The mid-range and high frequency horns feature an unusual asymmetrical flare design, which provides a narrow pattern at the rear of the room, and a wider pattern at the front of the room. This design minimizes energy radiated at the side walls, while concentrating sound in the seating area. The high frequency horn is coupled to a 2-in exit driver, and also features a controlled collapsing pattern at the very highest frequencies, which compensates for the screen's effect of widening the dispersion, thus resulting in a constant pattern in a seating area.

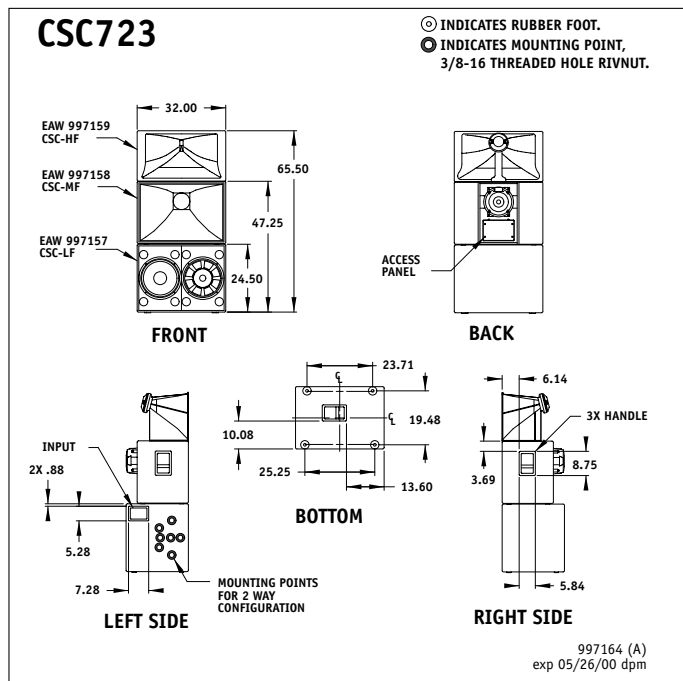
The single 10" mid-range cone driver is housed in its own subenclosure and is coupled to EAW's patented Radial Phase Plug™. The unique design of the Radial Phase Plug™ significantly reduces throat distortion and frequency "time smear", resulting in noticeably clearer, more natural sounding dialog.

The low frequency sections incorporate EAW's "push-pull" driver arrangement. The drivers are out of phase relative to each other both physically and electrically, yet their product is acoustically in phase, substantially lowering mechanically induced distortion.



DESCRIPTIVE DATA

Part Number	997164	
LF Subsystem	2x15-in vented, push pull configuration	
MF Subsystem	1x10-in horn-loaded cone, Radial Phase Plug™	
HF Subsystem)	1x2-in exit/75 mm voice coil compression driver on 2 Axis Asymmetrical horn	
Configuration	3-way, full range	
Powering Mode	Tri-amplified	
System Crossover	250/1000 Hz recommended CX300-CSC723	
Enclosure Materials	Baltic birch plywood	
Finish	Wear-resistant textured black paint	
Connectors	2x2-terminal barrier strip	
Dimensions	inches	millimeters
	Height	65.5 in 1663.7
	Width	32.0 in 8128
	Depth	22.5 in 5715
Weights	pounds	kilograms
	Net	204.0 lb 92.53 kg
	Shipping	224.0 lb 101.47 kg



NOMINAL DATA continued

Calculated Maximum Output (dB SPL)

LF Peak	136
MF Peak	139.4
HF Peak	140.8
LF Long Term	130
MF Long Term	133.4
HF Long Term	134.8

COMPONENTS & CONSTRUCTION

All external components feature a textured, non-reflective, black finish to eliminate the reflection of light through perforated cinema screens.

NOMINAL DATA

Frequency Response

±3 dB 35 Hz to 18 kHz

Sensitivity (dB SPL, 1 Watt @ 1m)

LF	101
MF	108
HF	114

Impedance (Ohms)

LF	4
MF	8
HF	12

Power Handling, (AES Standard, Watts)

LF	1000
MF	350
HF	120