

## DESCRIPTION

The **HLA-20CS** is a cardioid sub bass loudspeaker specifically designed to match the profile and superb transient response of a HLA-20 Hybrid Line Array. It extends system low frequency response, projection and precise directional control to 27Hz.

Three 18-inch long-excursion loudspeakers are employed in a cardioid configuration using external DSP and bi-amplification. Each driver has an individual, maximally flat (.7Q) sealed enclosure for optimum transient response.

### KEY FEATURES:

- matches profile of HLA-20 array
- cardioid LF steering
- front-to back ratio 12 dB
- -3 dB low frequency response 27 Hz

### APPLICATIONS:

- churches
- auditoriums
- presentation spaces
- performing arts centers



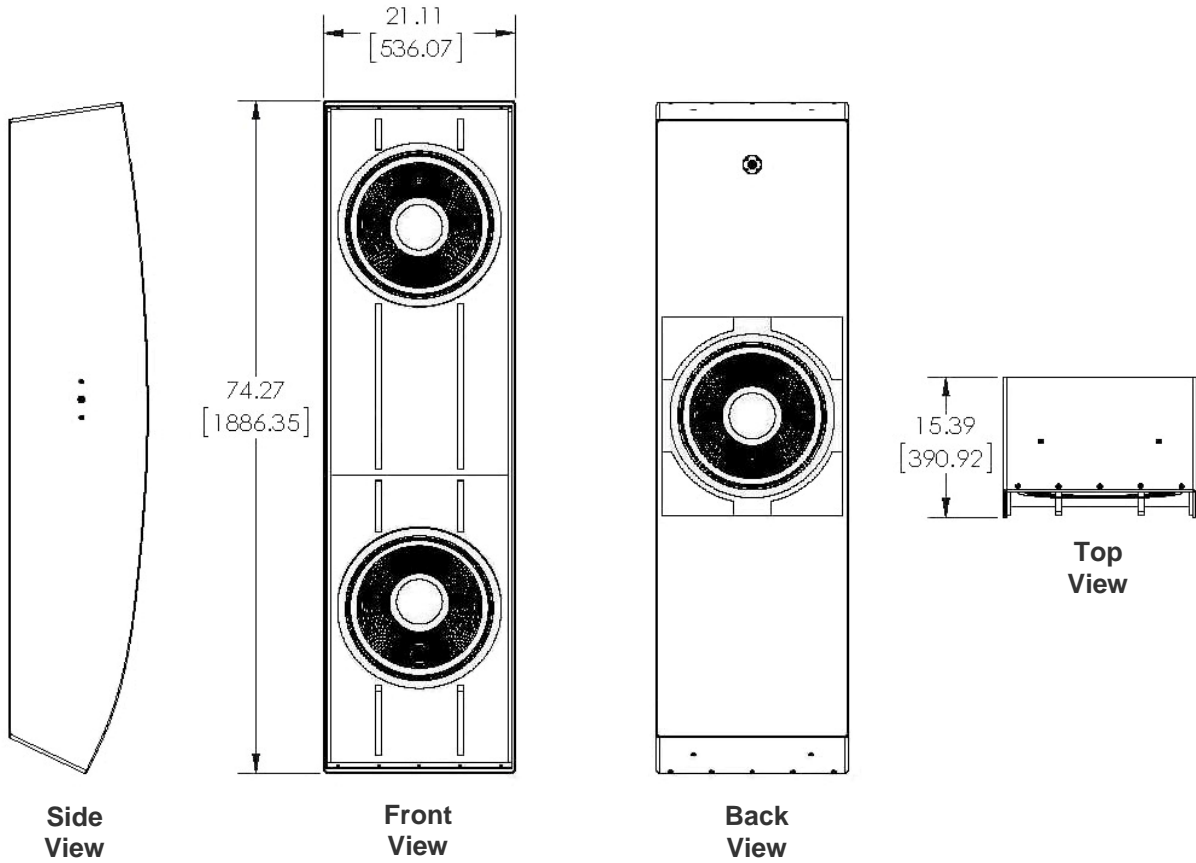
## NOMINAL DATA

Frequency Response	27 Hz to 200 Hz, ± 3 dB
Sensitivity	101 dB @ 2.83V / 1M
Impedance	dual 8Ω front element single 8Ω rear element
Power Handling	4500 W long-term (AES-2)
Maximum Output	132 dB long-term, 138 dB peak
Front-to-Back Ratio	12 dB
Dimensions	height: 74.27" / 1886 mm width: 21.11" / 536 mm depth: 15.39" / 391 mm
Net Weight	200 lbs / 90.9 kg
Shipping Weight	230 lbs / 104.5 kg

## DESCRIPTIVE DATA

System Configuration	3-element cardioid configuration (requires external DSP & bi-amplification)
Components & Loading	3 x 18" LF drivers in separate enclosures
Recommended Crossover	Innovox DSP processor settings
Recommended High-Pass Filter	4 <sup>th</sup> order Butterworth @ 25 Hz
Enclosure Type	Maximally flat sealed enclosure (.7Q)
Enclosure Material	Baltic Birch Plywood
Finish	White or Black (custom colors available)
Connectors	NL4 & (2) dual binding head screws
Suspension Hardware	(2) 3/8-16 threaded points on each side; steel yoke included
Grille	Painted perforated steel

**DIMENSIONAL DRAWINGS**



**INCLUDED HARDWARE**

