

## CS-3 Horn Loaded Three-way "One Box" Modular Loudspeaker System

\*Wide Bandwidth  
40 Hz to 16,000 Hz -6db

\*High Output  
134db at 1 meter

### \*True Road Packaging

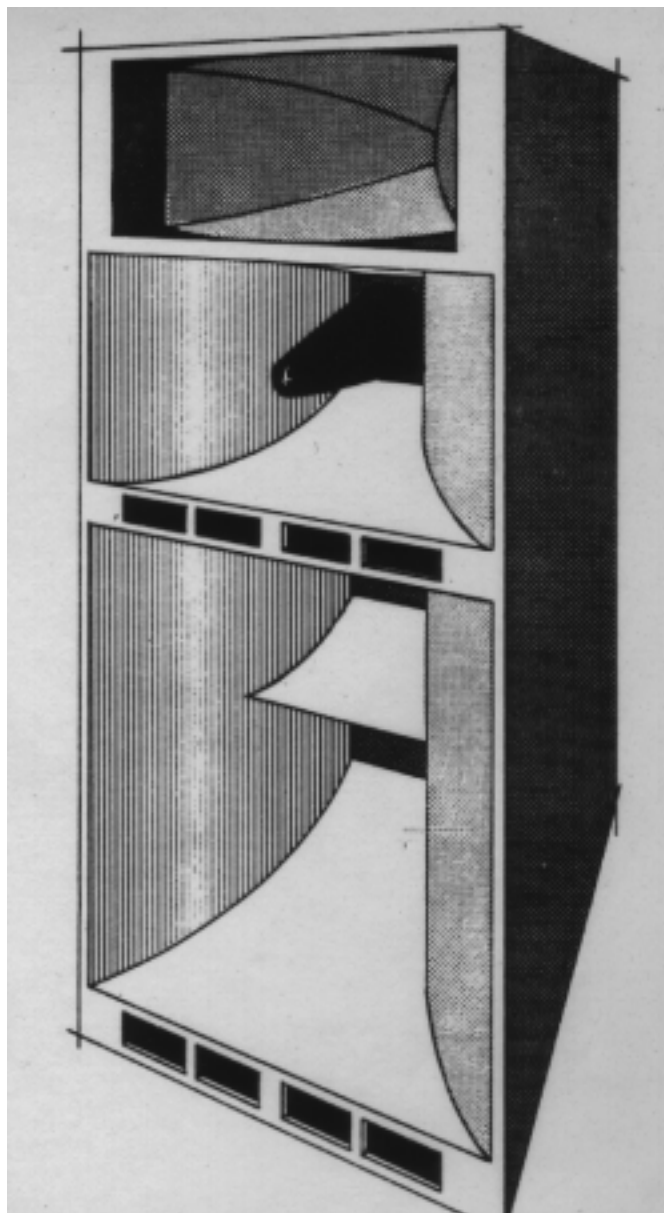
for long life under traveling stress

\*Accepts JBL, EAW or Gauss Drivers allowing the use of existing drivers

The CS-3 is the result of a joint development program by Carlo Sound and Eastern Acoustic Works to develop a loudspeaker system with high output and low distortion performance associated with horn-loaded systems, while also incorporating the wide bandwidth and the ease of transport and set up of "one Box" direct radiating systems. By building three sophisticated true exponential horns in a single enclosure, and packaging it for touring concert applications, all the benefits of horn loading are realized with the ease of one box packaging. Additionally, through the use of vent loading below low frequency horn cut-off, response is extended to the 40 Hz region allowing for extended bandwidth capabilities.

## Performance at the leading edge of technology

Combining Carlo Sound's better than 10 years of extensive touring sound experience with EAW's famous engineering and manufacturing capabilities, this system is designed to fulfill the need of touring sound applications without modification or structural reinforcement. Construction is all cross-grain laminated birch with extensive wood bracing, and urethane foam dampening in the LF and MF horn flares virtually eliminates panel resonances even at levels exceeding 140 db in the throat region. All horns maintain a true exponential expansion enabling a smooth air loaded impedance characteristic for exceptionally flat response. Careful design of the package itself enables us to realize a truly efficient box in terms of ease of transport set up, and breakdown. A variety of configurations are available. The standard unit comes with handles and steel speaker grills. Options include fly points, wheels, and traveling pallets.



## Specifications

<b>Model:</b>	CS-3 Super System
<b>Type:</b>	Three way, tri-amplified, horn loaded Loudspeaker enclosure system
<b>Frequency Response:</b>	40 Hz to 16,000 Hz 80 Hz to 12,000 K Hz
<b>Sensitivity:</b>	107 dB 1w @ 1m 106 dB 1w a 1m 108 dB 1w a 1m
<b>Power Handling:</b>	40 w RMS 80 w Program 150 w RMS 250 w Program 300 w RMS 500 w Program
<b>Recommended Crossover</b>	
<b>LF/MF</b>	300 Hz
<b>MF/HF</b>	1200 Hz
<b>Slope</b>	18 dB per octave
<b>Recommended High pass filter.</b>	40 Hz 18 dB per octave