



RENKUS-HEINZ



CE3TMKA

Long Throw **CoEntrant** Loudspeaker System



Exclusive CoEntrant Design

The CE3TMKA loudspeaker system was developed for use in large systems where its long throw characteristics are needed to "throw" sound long distances. Its tight 60° by 25° pattern and high output SPL enable it to "lay down" over 95 dB at 600 feet! The powerful CE3TMKA features CoEntrant Waveguide technology, a Renkus-Heinz breakthrough in loudspeaker design that provides true point source performance along with natural signal alignment and tightly controlled dispersion. The end result is unprecedented sound clarity and near perfect imaging, even at high SPL levels. The CE3TMKA is packaged in a 20° trapezoidal enclosure that is easy to array and offers smooth coverage in both small and large arrays.

True Point Source Performance

The unique CoEntrant design of the CE3TMKA loudspeaker ensures proper signal alignment and constant directivity and "Q" through crossover. This enables the CE3TMKA to provide tonal balance and resolution not attainable from other designs. Six 6.5" carbon-fiber, mid-range drivers and six extended-range, high-frequency drivers mounted in a close coupled CoEntrant array feed a single large format horn to complete the picture. They add virtually distortion free performance to this loudspeaker's credentials.

EXCLUSIVE COENTRANT DESIGN (U.S. Pat. 5,526,456)

provides true point source performance with outstanding resolution and tonal clarity

139 dB SPL LEVEL LONG-THROW DESIGN

multiple high-power drivers, CoEntrant design produce a program output SPL level of 140 dB

TIGHTLY CONTROLLED LONG-THROW COVERAGE

CoEntrant design provides tightly controlled 60° x 25° coverage with constant Q through crossover

SIX EXTENDED RANGE 1" HF DRIVERS

six 1" drivers, phase coherent couplers provide high level, crystal clear highs out to 18 kHz.

ADVANCED SYSTEM CONTROLLERS

provide crossover, loudspeaker equalization, loudness compensation and overload protection

MATCHING LOW FREQUENCY ENCLOSURE

matching CE3TLOK low frequency enclosure features 4 heavy-duty 12" woofers, 140 dB output SPL

Matching Low Frequency Enclosure

The matching CE3TLOK low frequency loudspeaker features 4 heavy-duty 12" woofers in an efficient horn-loaded, band-pass design that has the same acoustic origin as the CE3TMKA assuring proper signal alignment. The CE3TLOK's band-pass design provides excellent directional control and solid bass down to 60 Hz. Matching, horn-loaded, dual 15" and dual 18" subs are also available for any applications that need even more low frequency energy.

Advanced System Controllers

The controllers used with these loudspeakers feature advanced electronic crossovers, response equalization and new protective circuitry. The protective circuitry effectively prevents damage from all types of overload without upsetting the system balance or introducing distortion into the system.

Choice of Finish and Rigging Hardware

Added cost options include weather resistant treatment and side mounted Aeroquip track fittings in place of the universal mounting hardware. The CE3TMKA is normally furnished with a black paint finish, but black carpet is also available.

CE3TMKA TECHNICAL SPECIFICATIONS
All specifications are with associated controller

SENSITIVITY:	109 dB (1w/1m) @ 500 Hz	ENCLOSURE	13 ply hardwood, heavily braced
MAXIMUM SPL:	140 dB program, 143 dB peak	GRILLE:	Perforated metal grille with moisture resistant foam insert
DISPERSION:	60° H by 25° V	CONNECTORS:	Neutrik NL8MPR
FREQUENCY RESPONSE:	350 Hz to 18 kHz	FINISH:	Black paint or carpet
HIGH FREQUENCY DRIVERS:	Six model SSD1802-16	HARDWARE OPTIONS:	
POWER RATING:	480 Watts program at 2.7 Ohms, 240 Watts RMS (total)	AEROQUIP TRACK:	Model FT2-C3 side mounted.
MID FREQUENCY DRIVERS:	Six model SSL 6.5-3, 6.5" carbon fiber cone drivers	ATTACHMENT POINTS:	UMH-123/8-16 12-point universal mounting hardware system
POWER RATING:	1560 Watts program at 2.7 Ohms, 780 Watts RMS (total)	DIMENSIONS:	32.5" H x 21" W x 23.75" D (82.6 cm x 53.3 cm x 60.3 cm)
CROSSOVER POINTS:	350 Hz and 2.2 kHz	NET WEIGHT:	162 Lbs. (73.5 kg)
ASSOCIATED EQUIPMENT:	X series controllers, D26 digital controller, R-H amplifiers with C and PK-A controller modules		

DIMENSIONAL INFORMATION

