

C Series Installation Loudspeakers



Introducing CX

Building on the success of the popular CF/CFX Series Renkus-Heinz is introducing the CX passive loudspeakers for fixed installations.

Drawing from years of experience and industry leading technologies like Complex Conic Waveguides, CX loudspeakers are designed to meet the needs of today's Installed AV professionals, with a broad range of systems to provide effective solutions for every sound reinforcement challenge at competitive price points.

The new C Series loudspeakers incorporate the newest generation of Complex Conic Horns, with the latest drivers to provide clean, natural sound and tight pattern control. Unlike conventional loudspeaker designs, Complex Conic horns provide consistent beamwidth over a wider frequency range, with the natural, transparent sound that Renkus-Heinz is known for. And as with all Renkus-Heinz products, C Series loudspeakers are backed by Renkus-Heinz's renowned worldwide customer support.

Externally powered CX models include a high quality passive crossover network which in models 61, 62, 81, 82, 121 & 151 can be easily bypassed with an internal jumper for bi-amplified operation.

C Series models will be available in amplified (CA) and passive (CX) models, in black or white finish. The CX42 staircase loudspeaker and CX41, also updated versions of the highly acclaimed CFX, will only be available in a passive design.

Key Features

- Complex Conic Waveguides
Provides constant beamwidth/directivity without the problems of conventional rectangular horns



- M10 Attachment Points
- U-Bracket Mounting Points
Industry standard fly points ensure fast and flexible installations
- Optimized acoustic crossover
- Internal passive crossover
- Switchable bi-amp / full range
Designed for natural and transparent sound across the loudspeaker's frequency range

CX Passive Loudspeaker Specifications

	CX41	CX42	CX61	CX62	CX81
Transducers	4" Coaxial	1" HF / Dual 4" LF	1" HF / 6.5" LF	1" HF / Dual 6.5" LF	1" HF / 8" LF
Dispersion	150° x 150°	150° x 60°	150° x 60°	150° x 60°	120° x 60°
Frequency Response	100 Hz - 20 kHz	300 Hz - 20 kHz	100 Hz - 20 kHz	100 Hz - 20 kHz	90 Hz - 20 kHz
Peak SPL	115 db	127 dB	126 dB	132 dB	128 dB
Power Handling	25 W AES @ 16 Ohm 50 W Pgm @ 16 Ohm	120 W AES @ 16 Ohms 240 W Pgm @ 16 Ohms	100 W AES @ 16 Ohms 200 W Pgm @ 16 Ohms	200 W AES @ 8 Ohms 400 W Pgm @ 8 Ohms	125 W AES @ 16 Ohms 250 W Pgm @ 16 Ohms
Sensitivity 1W 1m	89 dB	95 dB	94 dB	97 dB	96 dB
Bi-Amp Passive Crossover	Passive	Passive	Switchable	Switchable	Switchable
Enclosure	Hardwood	Hardwood	Poplar Ply	Poplar Ply	Poplar Ply
Hanging Method	U Bracket	Stairstep	U Bracket 12 M10 Points	U Bracket 12 M10 Points	U Bracket 12 M10 Points
Dimensions H x W x D	6" x 7" x 6" 15.24 x 17.8 x 15.24 cm	5.5" x 17" x 10" 13.97 x 43.18 x 25.4 cm	15.625" x 8" x 9.25" 39.688 x 20.32 x 23.495 cm	21" x 8" x 9.25" 53.34 x 20.32 x 23.495 cm	21" x 10.5" x 10.5" 53.34 x 26.67 x 26.67 cm
Net Weight	4.8 Lbs (2.18 Kg) Net	16.8 Lbs (7.62 Kg) Net	19.8 Lbs (8.98 Kg) Net	26.6 lbs (12.07 Kg) Net	27.8 Lbs (12.61 Kg) Net

	CX82	CX121	CX151	CX112S	CX118S
Transducers	1" HF / Dual 8" LF	1" HF / 12" LF	1" HF / 15" LF	12" LF	18" LF
Dispersion	120° x 60°	90° x 40°	60° x 40°	n/a	n/a
Frequency Response	90 Hz - 20 kHz	60 Hz - 20 kHz	55 Hz - 20 kHz	40 Hz - 120 Hz	35 Hz - 100 Hz
Peak SPL	134 dB	134 dB	135 dB	133 dB	137 dB
Power Handling	250 W AES @ 8 Ohm 500 W Pgm @ 8 Ohm	300 W AES @ 8 Ohms 600 W Pgm @ 8 Ohms	350W AES @ 8 Ohms 700W Pgm @ 8 Ohms	250 W AES @ 8 Ohms 500 W Pgm @ 8 Ohms	450 W AES @ 8 Ohms 900 W Pgm @ 8 Ohms
Sensitivity 1 W / 1 M	99 dB	97 dB	98 dB	97 dB	98 dB
Bi-Amp Passive Crossover	Switchable	Switchable	Switchable	n/a	n/a
Enclosure	Poplar Ply	Poplar Ply	Poplar Ply	Poplar Ply	Poplar Ply
Hanging Method	U Bracket 12 M10 Points	U Bracket 12 M10 Points	U Bracket 12 M10 Points	12 M10 Points	6 M10 Points
Dimensions H x W x D	28.25" x 10.5" x 10.5" 71.755 x 26.67 x 26.67 cm	27" x 14.25" x 14.25" 68.58 x 36.195 x 36.195 cm	28.375" x 17.5" x 17" 72.073 x 44.45 x 43.18 cm	23.25" x 15" x 17.25" 59.055 x 38.1 x 43.815 cm	29.375 x 22.25" x 23.5" 74.613 x 56.515 x 59.69 cm
Net Weight	37.2 Lbs (16.87 Kg) Net	48 Lbs (21.77 Kg) Net	57 Lbs (25.85 Kg) Net	52.4 Lbs (23.77 Kg) Net	85.8 Lbs (38.92 Kg) Net

Specifications subject to change without notice

