ClimateGuard™ Series

IP56 Rated All Environment Speakers

CREST AUDIO®

Shown: ClimateGuard™ CG 108CX

Description

The incredibly durable, reliable and versatile Crest Audio® ClimateGuard™ weatherproof enclosures are a combination of innovative cabinet construction and proven, weatherized components designed for direct contact with the elements in the most demanding indoor and outdoor environments.

The ClimateGuard enclosures use advanced composite fiber material that remains stable in wet conditions, resists contamination, and delivers wood-like acoustic properties. This light and durable material ensures unmatched sonic performance while providing reliable service year after year. The stainless steel grilles of the ClimateGuard series enclosures feature a barrier membrane that repels water yet allows moisture to escape without affecting the sonic performance of the loudspeaker.

The IP56 rated ClimateGuard series is available in two coax, and six two-way configurations, and a flyable subwoofer.

The ClimateGuard series can be customized according to the requirements of every venue. This makes this versatile series the perfect choice for planners and integrators.

Designed and made in the USA, the ClimateGuard series offers high quality components, outstanding reliability, incredible sonic performance, and best protection against the elements.

Features

- **Overall system weatherization rating: IP56**
- **Cabinets constructed with advanced composite material**
- **Hammerhead™ polyurea finish and UV protectant coating**
- **Premium water-resistant woofers**
- **Compression drivers on all 2-way and Coax models**
- **All external hardware is stainless steel**
- **Stainless steel grille, with inner hydrophobic cloth mesh**
- **Weather-sealed input cup cover with gland nut**
- **Input connection via 4-pin Euroblock (except CG 208)**
- **Passive and Bi-Amp mode (except CG 208 & CG 212S)**
- **Advanced crossover network**
- **Tweeter protection**
- **Multiple suspension points**
- **Various mounting options**
- **Available with a lightly textured Black and White finish**
- **Configure to order options, such as 70/100V transformer, amended suspension points, vent plugs, custom finish, horn patterns, and more available on request**

ClimateGuard™ *Series*

	CG™ 105CX	CG™ 108CX	CG™ 108	CG™ 208
Configuration	2-way Coaxial Passive Speaker	2-way Coaxial Passive Speaker	2-way Passive Speaker	2-way Passive Speaker
System Power Continuous* (Watts)	150	300	200	400
System Power Peak* (Watts)	600	1,200	800	1,600
Bi-Amp & Passive Mode	Yes	Yes	Yes	No
Frequency Response	96 Hz - 18 kHz (±6 dB)	75 Hz - 18 kHz (±6 dB)	64 Hz - 18 kHz (±3 dB)	100 Hz - 18 kHz (±6 dB)
Usable Low Frequency Limit (-10 dB point)	44 Hz	44 Hz	52 Hz	80 Hz
System Sensitivity (1W/1m)	92 dB	93 dB	91 dB	89 dB
Maximum Sound Pressure Level (1 meter)	113 dB SPL continuous 119 dB SPL peak	117 dB SPL continuous 123 dB SPL peak	114 dB SPL continuous 120 dB SPL peak	115 dB SPL continuous 121 dB SPL peak
Nominal Radiation Angle				
Horizontal x Vertical	70° x 70°	70° x 70°	75° x 75°	90° x 60°
Horn Rotatable	No	No	No	Yes
Transducer Complement:				
Low Frequency Section	1 x 5" Coax woofer Beyma® 5CX200Fe	1 x 8" Coax woofer Beyma® 8CX300Fe	1 x 8" woofer, vented	2 x 8" woofer, vented
High Frequency Section	1" Throat - 1.5" Voice Coil Compression Drive	1.75" Throat - 1.75" Voice Coil Compression Drive	1" Throat - 2" Voice Coil Compression Drive	1" Throat - 1.4" Voice Coil Compression Drive
Horn			Quadratic Throat Waveguide (patented)	Waveguide
Boxing Tuning Frequency	95 Hz	71 Hz	60 Hz	110 Hz
Electroacoustic Crossover Point	3.8 kHz @ 12 dB/octave	3.2 kHz @ 18 dB/octave	2 kHz @ 12 dB/octave	2 kHz @ 12 dB/octave
System Impedance (Z)				
Nominal	8 Ω	8 Ω	8 Ω	4 Ω
Minimum	5.8 Ω	6.1 Ω	6.3 Ω	3.6 Ω
Recommended High Pass Filter (Infrasonic)	58 Hz, LR 24 dB/oct. type	48 Hz, LR 24 dB/oct. type	45 Hz, LR 24 dB/oct. type	70 Hz, LR 24 dB/oct. type
Input Connectors	3 x 4-pin Euroblock	3 x 4-pin Euroblock	3 x 4-pin Euroblock	1 x 18" Pigtail
Input Cup Cover Plate	Weather-sealed with Gland Nut	Weather-sealed with Gland Nut	Weather-sealed with Gland Nut	n/a
IP Rating	IP 56	IP 56	IP 56	IP 56
Enclosure Material & Finish	1/2" thick advanced technology composite fiber panels, finished in black Hammerhead™ polyurea with lightly textured finish and UV protectant coating			
Hardware	Stainless Steel			
Mounting Provisions	3 x M6 2 top / 1 bottom	3 x M6 2 top / 1 bottom	8 x M10 2 top / 2 bottom / 2 each side 6 x M6 2 top / 2 bottom / 2 rear for use with Versamount 35/70	2 x M10 1 top / 1 bottom
Dimensions (H x W x D)				
Front	8.13" x 8.13" x 10" 206 x 206 x 254 mm	12.44" x 12.44" x 12" 316 x 316 x 305 mm	17.32" x 13.94" x 10.94" 440 x 354 x 278 mm	24.625" x 9.875" x 5" 440 x 354 x 278 mm
Rear			17.32" x 8.75" x 10.94" 440 x 222 x 278 mm	
Net Weight	12 lbs 5.5 kgs	21 lbs 9.5 kgs	26 lbs 11.7 kgs	19 lbs 8.6 kgs

NOTE: To safely achieve maximum rated SPL output, audio signal must be filtered for extreme low frequency content. All high SPL vented cabinets should have this signal protection.

ClimateGuard™ Series

	CG™ 112 (60x40)	CG™ 112 (105x60)	CG™ 115 (60x40)	CG™ 115 (105x60)	CG™ 212S Subwoofer
Configuration	2-way Passive Speaker	2-way Passive Speaker	2-way Passive Speaker	2-way Passive Speaker	Passive Subwoofer
System Power Continuous* (Watts)	500	500	500	500	1,000
System Power Peak* (Watts)	1,000	1,000	1,000	1,000	2,000
Bi-Amp & Passive Mode	Yes	Yes	Yes	Yes	n/a
Frequency Response	68 Hz - 18 kHz (±3 dB)	68 Hz - 18 kHz (±3 dB)	56 Hz - 18 kHz (±3 dB)	56 Hz - 18 kHz (±3 dB)	63 Hz - 1 kHz (±3 dB)
Usable Low Frequency Limit (-10 dB point)	44 Hz	44 Hz	44 Hz	44 Hz	n/a
System Sensitivity (1W/1m)	95 dB	95 dB	96 dB	96 dB	98 dB
Maximum Sound Pressure Level (1 meter)	122 dB SPL continuous 128 dB SPL peak	122 dB SPL continuous 128 dB SPL peak	123 dB SPL continuous 129 dB SPL peak	123 dB SPL continuous 129 dB SPL peak	128 dB SPL continuous 134 dB SPL peak
Nominal Radiation Angle Horizontal x Vertical Horn Rotatable	60° x 40° Yes	105° x 60° Yes	60° x 40° Yes	105° x 60° Yes	n/a
Transducer Complement:					
Low Frequency Section	1 x 12" woofer, vented Black Widow® 1208-8 SPS WP	1 x 12" woofer, vented Black Widow® 1208-8 SPS WP	1 x 15" woofer, vented Black Widow® 1508-8 SPS WP	1 x 15" woofer, vented Black Widow® 1508-8 SPS WP	2 x 12" woofer, vented Black Widow® 1208-8 SPS WP
High Frequency Section	1" Throat - 2" Voice Coil Compression Drive	1" Throat - 2" Voice Coil Compression Drive	1" Throat - 2" Voice Coil Compression Drive	1" Throat - 2" Voice Coil Compression Drive	n/a
Horn	Quadratic Throat Waveguide (patented)	Quadratic Throat Waveguide (patented)	Quadratic Throat Waveguide (patented)	Quadratic Throat Waveguide (patented)	n/a
Boxing Tuning Frequency	50 Hz	50 Hz	45 Hz	45 Hz	59 Hz
Electroacoustic Crossover Point	1.8 kHz @ 24 dB/octave	1.9 kHz @ 24 dB/octave	1.7 kHz @ 24 dB/octave	1.8 kHz @ 24 dB/octave	125 Hz, LR 24 dB/oct. type (recommended LP Filter)
System Impedance (Z) Nominal Minimum	8 Ω 5.8 Ω	8 Ω 5.8 Ω	8 Ω 5.7 Ω	8 Ω 5.7 Ω	4 Ω 3.6 Ω
Recommended High Pass Filter (Infrasonic)	45 Hz, LR 24 dB/oct. type	45 Hz, LR 24 dB/oct. type	42 Hz, LR 24 dB/oct. type	42 Hz, LR 24 dB/oct. type	45 Hz, LR 24 dB/oct. type
Input Connectors	3 x 4-pin Euroblock	3 x 4-pin Euroblock	3 x 4-pin Euroblock	3 x 4-pin Euroblock	3 x 4-pin Euroblock
Input Cup Cover Plate	Weather-sealed with Gland Nut	Weather-sealed with Gland Nut	Weather-sealed with Gland Nut	Weather-sealed with Gland Nut	Weather-sealed with Gland Nut
IP Rating	IP 56	IP 56	IP 56	IP 56	IP 56
Enclosure Material & Finish	1/2" thick advanced technology composite fiber panels, finished in black Hammerhead™ polyurea with lightly textured finish and UV protectant coating				
Hardware	Stainless Steel				
Mounting Provisions	12 x M10 3 top / 3 bottom / 2 each side 2 back 6 x M6 2 top / 2 bottom / 2 rear for use with Versamount 70	12 x M10 3 top / 3 bottom / 2 each side 2 back 6 x M6 2 top / 2 bottom / 2 rear for use with Versamount 70	12 x M10 3 top / 3 bottom / 2 each side 2 back 6 x M6 2 top / 2 bottom / 2 rear for use with Versamount 70	12 x M10 3 top / 3 bottom / 2 each side 2 back 6 x M6 2 top / 2 bottom / 2 rear for use with Versamount 70	12 x M10 3 top / 3 bottom / 2 each side 2 back 6 x M6 2 top / 2 bottom / 2 rear for use with Versamount 70
Dimensions (H x W x D) Front	27.38" x 15" x 16.38" 695 x 381 x 416 mm	27.38" x 15" x 16.38" 695 x 381 x 416 mm	30.69" x 18" x 17.5" 780 x 457 x 445 mm	30.69" x 18" x 17.5" 780 x 457 x 445 mm	29.44" x 14.07" x 16.35" 748 x 357 x 415 mm
Rear	27.38" x 12.38" x 16.38" 695 x 315 x 416 mm	27.38" x 12.38" x 16.38" 695 x 315 x 416 mm	30.69" x 15.13" x 17.5" 780 x 384 x 445 mm	30.69" x 15.13" x 17.5" 780 x 384 x 445 mm	
Net Weight	52 lbs 23.6 kgs	52 lbs 23.6 kgs	62 lbs 28.1 kgs	62 lbs 28.1 kgs	62 lbs 28.2 kgs

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