

ClimateGuard™ Series

IP56 Rated All Environment Speakers



PRELIMINARY



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 series of composite enclosures are constructed from an advanced composite material that is dimensionally stable in wet conditions and resists contamination, yet has the resonant properties of wood. 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 four two-way, full range configurations and as a flyable subwoofer.

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 of: IP56
- Cabinet is constructed with an advanced composite material
- Hammerhead™ polyurea finish and UV protectant coating
- Premium water-resistant woofers
- Compression drivers on all 2-way models
- All external hardware is stainless steel
- Moisture-repellent stainless steel grille, with inner hydrophobic cloth mesh
- Weather-sealed input cup cover with gland nut
- Two NL-4 twist lock in parallel, and one 4-position screw terminal barrier strip (except CG 208)
- Advanced crossover network
- Tweeter protection
- Multiple suspension points
- Various mounting options
- Available with a lightly textured Black and White finish
- Additional options, such as 70/100V transformer, amended suspension points, vent plugs, and custom finish, and more available on request

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Specifications

	CG™ 108	CG™ 208	CG™ 112	CG™ 115	CG™ 212S
Frequency Response, 1 meter on-axis, swept-sine in anechoic environment:	64 Hz - 18 kHz (+/-3dB)	100 Hz - 18 kHz (+/-6dB)	68 Hz - 18 kHz (+/-3dB)	56 Hz - 18 kHz (+/-3dB)	63 Hz - 1.5 kHz (+/-3dB)
Usable Low Frequency limit (-10 dB point):	52 Hz	80 Hz	44 Hz	44 Hz	n/a
Power Handling:	200 Watts continuous 400 Watts program 800 Watts peak	400 Watts continuous 800 Watts program 1,600 Watts peak	500 Watts continuous 1,000 Watts program 2,000 Watts peak	500 Watts continuous 1,000 Watts program 2,000 Watts peak	1,000 Watts continuous 2,000 Watts program 4,000 Watts peak
Sound Pressure Level, 1 watt, 1 meter in anechoic environment:	91 dB SPL, (2.83 V input)	89 dB SPL, (2.0 V input)	95 dB SPL, (2.83 V input)	96 dB SPL, (2.83 V input)	98 dB SPL, (2.00 V input)
Maximum Sound Pressure Level (1 meter):	114 dB SPL continuous 120 dB SPL peak	115 dB SPL continuous 121 dB SPL peak	122 dB SPL continuous 128 dB SPL peak	123 dB SPL continuous 129 dB SPL peak	128 dB SPL continuous 134 dB SPL peak
Nominal Radiation Angle:	75 degrees horizontal by 75 degrees vertical	90 degrees horizontal by 60 degrees vertical Vertical pattern is asymmetrical, with the polar axis aimed down 25 degrees. Horn in factory orientation, horn can be rotated 90 degrees to provide horizontal mounting of the cabinet, with the sound still aimed downward.	CG 112: 60x40: 60 degrees horizontal by 40 degrees vertical CG 112: 105x60: 105 degrees horizontal by 60 degrees vertical Horns are rotatable, coverage pattern can be swapped horizontal for vertical	CG 115: 60x40: 60 degrees horizontal by 40 degrees vertical CG 115: 105x60: 105 degrees horizontal by 60 degrees vertical Horns are rotatable, coverage pattern can be swapped horizontal for vertical	n/a
Transducer Complement:					
Low Frequency Section:	1 x 8" woofer, vented	2 x 8" woofer, vented	1 x 12" woofer, vented 1208-8 SPS WP Water-Resistant Black Widow® Woofer	1 x 15" woofer, vented 1508-8 SPS WP Water-Resistant Black Widow® Woofer	2 x 12" woofer, vented 1208-8 SPS WR Water-Resistant Black Widow® Woofer
High Frequency Section:	1" Throat 2" Voice Coil Compression Driver on Quadratic Throat Waveguide	0.938" Throat 1.4" Voice Coil Compression Driver on Waveguide	1" Throat 2" Voice Coil Compression Driver on Quadratic Throat Waveguide	1" Throat 2" Voice Coil Compression Driver on Quadratic Throat Waveguide	n/a
Boxing Tuning Frequency:	60 Hz	110 Hz	50 Hz	45 Hz	59 Hz
Electroacoustic Crossover Point:	2.0 kHz at 12 dB/octave	2.0 kHz at 12 dB/octave	60° x 40°: Low Frequency - High Frequency: 1.8 kHz at 24dB/octave 105° x 60°: Low Frequency - High Frequency: 1.9 kHz at 24dB/octave	60° x 40°: Low Frequency - High Frequency: 1.7 kHz at 24dB/octave 105° x 60°: Low Frequency - High Frequency: 1.8 kHz at 24dB/octave	n/a n/a
Impedance (Z):	Nominal: 8.0 Ohms Minimum: 6.3 Ohms	Nominal: 4.0 Ohms Minimum: 3.6 Ohms	Nominal: 8.0 Ohms Minimum: 5.8 Ohms	Nominal: 8.0 Ohms Minimum: 5.8 Ohms	Nominal: 4.0 Ohms Minimum: 3.6 Ohms
Recommended High pass (Infrasonic) Filter:	45 Hz, LR 24 dB/oct. type	70 Hz, LR 24 dB/oct. type	45 Hz, LR 24 dB/oct. type	42 Hz, LR 24 dB/oct. type	45 Hz, LR 24 dB/oct. type
Input Connections:	2 x Neutrik® Speakon® NL4 & 1 x 4-position barrier strip	1 x Pigtail leads with outdoor rated cable, approximately 18" length	2 x Neutrik® Speakon® NL4 & 1 x 4-position barrier strip	2 x Neutrik® Speakon® NL4 & 1 x 4-position barrier strip	2 x Neutrik® Speakon® NL4 & 1 x 4-position barrier strip
Enclosure Material & Finish:	1/2" thick advanced technology composite fiber panels, finished in black Hammerhead™ polyurea with lightly textured finish and UV protectant coating				
Mounting Provisions:	Ten 3/8"-16 Threaded Mounting Suspension Points (2 each top & 3 each bottom and 2 each sides & one bottom rear). Three sets of four 1/4X20 SS inserts, the sets are located on the top, rear, and bottom for use with the Peavey Versamount 70 and the ClimateGuard Pole Mount bracket.	Two inserts for 1/4X 20 eyebolts, one on each end of the speaker system cabinet. Special ClimateGuard Pole Mount bracket and strap system	Twelve 3/8"-16 Threaded Mounting Suspension Points (3 each top & bottom and 2 each sides & back). Three sets of four 1/4X20 SS inserts, the sets are located on the top, rear, and bottom for use with the Peavey Versamount 70 and the ClimateGuard Pole Mount bracket.	Twelve 3/8"-16 Threaded Mounting Suspension Points (3 each top & bottom and 2 each sides & back). Three sets of four 1/4X20 SS inserts, the sets are located on the top, rear, and bottom for use with the Peavey Versamount 70 and the ClimateGuard Pole Mount bracket.	Twelve 3/8"-16 Threaded Mounting Suspension Points (3 each top & bottom and 2 each sides & back). Three sets of four 1/4X20 SS inserts, the sets are located on the top, rear, and bottom for use with the Peavey Versamount 70 and the ClimateGuard Pole Mount bracket.
Dimensions (H x W x D):	Front: 17.32" x 13.94" x 10.94" 440 x 354 x 278 mm Rear: 17.32" x 8.75" x 10.94" 440 x 222 x 278 mm	Front: 24.625" x 9.875" x 5" 440 x 354 x 278 mm	Front: 27.38" x 15" x 16.38" 695 x 381 x 416 mm Rear: 27.38" x 12.38" x 16.38" 695 x 315 x 416 mm	Front: 30.69" x 18" x 17.5" 780 x 457 x 445 mm Rear: 30.69" x 15.13" x 17.5" 780 x 384 x 445 mm	Front: 29.44" x 14.07" x 16.35" 748 x 357 x 415 mm
Net Weight:	26 lbs 11.7 kgs	19 lbs 8.6 kgs	52 lbs 23.6 kgs	62 lbs 28.1 kgs	62 lbs 28.1 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.

© 2023 - Rev P1-2023-06-10

Features and specifications subject to change without notice.



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