

Elements™ C Series

Weatherproof Non-Powered Enclosures



Commercial Audio



Description

The incredibly durable, reliable and versatile Elements™ weatherproof enclosures are a combination of innovative cabinet construction and proven, weatherized components designed for direct contact with the elements in the most demanding climates. Gone are the days of hanging so-called enclosures outside only to replace the speaker in a year or two.

The Elements C 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 Elements C 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 Elements C series is available in three two-way, full range configurations and as a flyable subwoofer.

Features

- Quadratic Throat Waveguide™ for horn equipped models
- Rotatable horn with available 60 x 40 or 105 x 60 coverage patterns (Elements 108C 75 x 75)
- Water-resistant Black Widow® woofers (except Elements 108C)
- RX™22 compression driver tweeter (all models except 212C Sub)
- All external hardware is stainless steel
- Overall system weatherization rating of: IP56

MOUNTING PROVISIONS:

- (12) 3/8"-16 threaded mounting suspension points (3 top, 3 bottom and 2 each side & 1 each at top rear and bottom rear)
- Three sets of (4) 1/4 x 20 SS inserts, the sets are located on the top, rear, and bottom for use with the Peavey® Versamount™ 70+ and the Peavey Elements™ lighting and power pole mount bracket

ENCLOSURE MATERIALS & FINISH:

- Cabinet is constructed with an advanced composite material, coated in our black Hammerhead™ polyurea with a lightly textured finish.
- Triple-layer moisture-repellent grille assembly, consisting of a perforated stainless steel outer grille, with inner hydrophobic cloth mesh, and a proprietary third layer.

ENCLOSURE MATERIALS & FINISH:

- Two NL-4 twist lock in parallel, and one 4-position screw terminal barrier strip, with " + + - - " parallel wiring (for daisy-chaining).
- Weather-sealed input cup cover with gland nut.



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Specifications

	Elements™ 108C	Elements™ 112C	Elements™ 115C	Elements™ 212C Sub
Frequency Response, 1 meter on-axis, swept-sine in anechoic environment:	64 Hz - 18 kHz (+/-3dB)	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	44 Hz	44 Hz	NA
Power Handling:	200 watts continuous 400 watts program 800 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)	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	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	Elements 112: 60x40: 60 degrees horizontal by 40 degrees vertical Elements 112: 105x60: 105 degrees horizontal by 60 degrees vertical Horns are rotatable, coverage pattern can be swapped horizontal for vertical	Elements 115: 60x40: 60 degrees horizontal by 40 degrees vertical Elements 115: 105x60: 105 degrees horizontal by 60 degrees vertical Horns are rotatable, coverage pattern can be swapped horizontal for vertical	NA NA NA
Transducer Complement:				
Low Frequency Section:	1x18 in. woofer, vented; Heavy-duty aluminum cone with synthetic rubber surround	1x12 in. woofer, vented; 1208-8 SPS WR Water-Resistant Black Widow® Woofer	1x15 in. woofer, vented; 1508-8 SPS WP Water-Resistant Black Widow® Woofer	2x12 in. woofer, vented; 1208-8 SPS WR Water-Resistant Black Widow® Woofer
High Frequency Section:	1 x 0.875 in. Exit/50.8mm Voice Coil Compression Driver on Quadratic Throat™ Waveguide RX22™ on a 75 deg. x 75 deg. Quadratic Throat™ Waveguide	1 x 0.875 in. Exit/50.8mm Voice Coil Compression Driver on Quadratic Throat™ Waveguide, RX22 RX22™ on a 60 deg. x 40 deg. waveguide for the Elements™ 112C 60X40, and a 105 deg. X 60 deg. waveguide for the Elements™ 112C 105X60	1 x 0.875 in. Exit/50.8mm Voice Coil Compression Driver on Quadratic Throat™ Waveguide, RX22 RX22™ on a 60 deg. x 40 deg. waveguide for the Elements™ 115C 60X40, and a 105 deg. X 60 deg. waveguide for the Elements™ 115C 105X60	NA NA
Boxing Tuning Frequency:	60 Hz	50 Hz	45 Hz	59 Hz
Electroacoustic Crossover Point:	2.0 kHz at 12 dB/octave	Elements™ 112C 60X40: Low Frequency - High Frequency: 1.8 kHz at 24dB/octave Elements™ 112C 105X60: Low Frequency - High Frequency: 1.9 kHz at 24dB/octave	Elements™ 115C 60X40: Low Frequency - High Frequency: 1.7 kHz at 24dB/octave Elements™ 115C 105X60: Low Frequency - High Frequency: 1.8 kHz at 24dB/octave	NA NA
Impedance (Z):	Nominal: 8.0 ohms Minimum: 6.3 ohms	Nominal: 8.0 ohms Minimum: 5.8 ohms	Nominal: 8.0 ohms Minimum: 5.8 ohms	NA NA
Recommended High pass (Infrasonic) Filter:	45 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
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.				
Input Connections:	2 x Neutrik® Speakon® NL4MD & 1 x 4-position barrier strip			
Enclosure Materials & Finish:	1/2" thick advanced technology composite fiber panels, finished in black Hammerhead™ poly-urea with lightly textured finish			
Mounting Provisions:	(12) 3/8" -16 Threaded Mounting Suspension Points (2 each top & 3 each bottom and 2 each sides & Points (3 each top & bottom and 2 each sides & one bottom rear). Rubber washers are provided one bottom rear). Rubber washers are provided for use with 3/8" eyebolts, to assure a weather for use with 3/8" eyebolts, to assure a weather tight seal. Three sets of 4) 1/4 X20 SS inserts, the sets are located on the top, rear and bottom for use with the Peavey® Versamount™ 35 and the Peavey Elements™ Pole Mount bracket			
Dimensions (H x W x D):	Front: 17.32 in x 13.94 in x 10.94 in. 440mm x 354mm x 278mm Rear: 17.32 in x 8.75 in x 10.94 in 440mm x 222mm x 278mm	Front: 27.38 in x 15.00 in x 16.38 in. 695mm x 381mm x 416mm Rear: 27.38 in x 12.38 in x 16.38 in. 695mm x 381mm x 416mm	Front: 30.69 in x 18.00 in x 17.50 in. 780mm x 457mm x 445mm Rear: 30.69 in x 15.13 in x 17.50 in. 780mm x 384mm x 445mm	29.44 in x 14.07 in x 16.35 in. 748mm x 357mm x 415mm

Architect's & Engineer's Specifications

Elements™ 108C

The loudspeaker system shall have an operating bandwidth of 64 Hz - 18 kHz. The nominal system output level shall be 91 dB when measured at a distance of one meter with an input of one watt, when crossed over electronically. The nominal impedance of the Elements 108C shall be 8 ohms. The maximum continuous power handling of the system shall be 200 watts, maximum program power of 400 watts and a peak power input of at least 800 watts all with a minimum amplifier headroom of 3 dB.

There shall be an externally accessible high frequency level adjust, selecting for an EQ position of Outdoor, or Indoor EQ, with the Indoor EQ at 2 dB less high frequency output than the Outdoor position.

The enclosure shall be constructed of weather-resistant advanced technology composite fiber panels, and finished in a textured hard-shell of black poly-urea coating.

The outside dimensions shall be 17.25 inches high by 11.00 inches wide by 13.56 inches deep. The full-length grille shall have a triple-layer construction, consisting of perforated stainless steel outer layer, a hydrophobic cloth middle layer, and a reticulated foam inner layer, so as to provide excellent moisture protection to the drivers. The nominal radiation geometry shall be 75 degrees in the horizontal plane, and 75 degrees in the vertical plane. The input connections shall consist of a corrosion-resistant screw terminal barrier strip for raw wire termination, which is in parallel with two Neutrik NL-4 type input jacks. A watertight cover plate with a gland nut shall be provided, for use with the barrier strip connection. The weight shall be 26 pounds. The loudspeaker system shall be a Peavey Elements™ model 108C.

This product is manufactured under U.S. patents 6,059,069 and 6,064,745.

Elements™ 112C 60X40

The loudspeaker system shall have an operating bandwidth of 68 Hz - 18 kHz. The nominal system output level shall be 95 dB when measured at a distance of one meter with an input of one watt. The nominal impedance of the Elements 112C shall be 8 ohms. The maximum continuous power handling of the system shall be 500 watts, maximum program power of 1000 watts and a peak power input of at least 2000 watts, all with a minimum amplifier headroom of 3 dB, and proper infrasonic filtering. There shall be an externally accessible high frequency level adjust, selecting for an EQ position of Outdoor, or Indoor EQ, with the Indoor EQ at 2 dB less high frequency output than the Outdoor position.

The enclosure shall be constructed of 1/2" thick weather-resistant advanced technology composite fiber panels, and finished in a textured hard-shell of black poly-urea coating. The outside dimensions shall be 27.38 inches high by 15.00 inches wide by 16.38 inches deep. The full-length grille shall have a triple-layer construction, consisting of perforated stainless steel outer layer, a hydrophobic cloth middle layer, and a reticulated foam inner layer, so as to provide excellent moisture protection to the drivers.

The woofer shall be of a weather-resistant construction and materials, able to withstand direct exposure to moisture for long periods of time.

The nominal radiation geometry shall be 60 degrees in the horizontal plane, and 40 degrees in the vertical plane. The horn shall be rotatable in 90 degree increments so that the broad portion of the horn pattern can be changed to the other orientation. The weight shall be 52 pounds. The loudspeaker system shall be a Peavey Elements model 112C 60X40.

Specific to the Elements™ 112C 105X60

The nominal radiation geometry shall be 105 degrees in the horizontal plane, and 60 degrees in the vertical plane.

The loudspeaker system shall be a Peavey Elements™ model 112C 105X60.

Elements™ 115C 60X40

The loudspeaker system shall have an operating bandwidth of 56 Hz to 18 kHz. The nominal system output level shall be 96 dB when measured at a distance of one meter with an input of one watt. The nominal impedance of the Elements 115C shall be 8 ohms. The maximum continuous power handling of the system shall be 500 watts, maximum program power of 1000 watts and a peak power input of at least 2000 watts, all with a minimum amplifier headroom of 3 dB, and proper infrasonic filtering.

There shall be an externally accessible high frequency level adjust, selecting for an EQ position of Outdoor, or Indoor EQ, with the Indoor EQ at 2 dB less high frequency output than the Outdoor position.

The enclosure shall be constructed of 1/2" weather-resistant advanced technology composite fiber panels, and finished in a textured hard-shell of black poly-urea coating.

The outside dimensions shall be 30.69 inches high by 18.00 inches wide by 17.50 inches deep. The full-length grille shall have a triple-layer construction, consisting

of perforated stainless steel outer layer, a hydrophobic cloth middle layer, and a reticulated foam inner layer, so as to provide excellent moisture protection to the drivers.

The woofer shall be of a weather-resistant construction and materials, able to withstand direct exposure to moisture for long periods of time.

The nominal radiation geometry shall be 60 degrees in the horizontal plane, and 40 degrees in the vertical plane. The horn shall be rotatable in 90 degree increments so that the broad portion of the horn pattern can be changed to the other orientation.

The input connections shall consist of a corrosion-resistant screw terminal barrier strip for raw wire termination, which is in parallel with two Neutrik NL-4 type input jacks. A watertight cover plate with a gland nut shall be provided, for use with the barrier strip connection. The weight shall be 62 pounds. The loudspeaker system shall be a Peavey Elements model 115C 60X40.

Specific to the Elements™ 115C 105X60

The nominal radiation geometry shall be 105 degrees in the horizontal plane, and 60 degrees in the vertical plane.

The loudspeaker system shall be a Peavey Elements model 115C 105X60.

Elements™ 212C

The loudspeaker system shall have an operating bandwidth of 63 Hz - 1 kHz. The nominal system output level shall be 98 dB when measured at a distance of one meter with an input of one watt. The nominal impedance of the Elements 212C shall be 4 ohms. The maximum continuous power handling of the system shall be 1,000 watts, maximum program power of 2,000 watts and a peak power input of at least 4,000 watts all with a minimum amplifier headroom of 3 dB and proper infrasonic filtering.

The enclosure shall be constructed of 1/2" weather-resistant advanced technology composite fiber panels, and finished in a textured hard-shell of black poly-urea coating. The outside dimensions shall be 29.44 inches high by 14.07 inches wide by 16.35 inches deep. The full-length grille shall have a triple-layer construction, consisting of perforated stainless steel outer layer, a hydrophobic cloth middle layer, and a reticulated foam inner layer, so as to provide excellent moisture protection to the drivers. The weight shall be 62 pounds. The loudspeaker system shall be a Peavey Elements model 212C Sub.

Features and specifications subject to change without notice.

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