



SP®118

Product
Specifications



SP® 118 Sub

The SP® 118 features the Peavey exclusive 1808-8 AL CP Pro Rider®. Designed to support and enhance the bass output of the full-range SP series sound reinforcement enclosures, it transforms a system into a thumping beast.

The SP® 118 enclosure is constructed of plywood augmented with internal braces, coated in a black textured polyurethane finish. A full-length, wrap-around perforated steel grille protects the front of the enclosure. A pole mount plate is located on the top of the enclosure, with an insert for a threaded pole, using M20 threads. Multiple fly points are provided to allow overhead rigging.

Input connection to the system is made on the rear of the system, via an input cup with two 1/4" phone jacks and one four-pin twist lock connector in parallel.

As the SP® 118 does not include a passive subwoofer crossover, input should be electronically filtered of typical subwoofer applications. In addition for high power operation, a high pass filter set to 40 Hz or higher and of 24 dB/octave slope should be used to improve performance and reliability.

FEATURES:

- 18" 1808-8 AL CP Pro Rider® woofer
- 1200 watts program, 2400 watts peak
- Inputs include one four-pin twist lock connector and two 1/4" phone jacks
- Pole mount plate built-in, threaded for positive pole support

* Threaded pole for mount included.

* Multiple Fly Points

Flying/Rigging Information



Caution: Before attempting to suspend this speaker, consult a certified structural engineer. Speaker can fall from improper suspension, resulting in serious injury and property damage. Do not suspend or mount any other product or device from this enclosure! Maximum enclosure angle 30 degrees. Use only the correct mating hardware. All associated rigging is the responsibility of others. DO NOT OVER TORQUE HARDWARE. ALWAYS USE SAFETY CHAIN. INSPECT RIGGING ANNUALLY.

This Peavey loudspeaker should be suspended overhead only in accordance with the procedures and limitations specified in the User's Manual and possible manual update notices. This system should be suspended with certified rigging hardware by an authorized rigging professional and in compliance with local, state and federal suspension ordinances.

Hardware for Flying/Rigging the SP®-118

Eyebolts or bracket bolts should be M8 metric thread.

Eyebolts and bracket bolts must conform to certain minimum strength criteria for safety reasons.

Unspecified eyebolts found at local hardware stores are not strong enough to maintain safety for overhead flying or rigging. Use only forged steel shoulder machinery eyebolts designed for rigging use, which adhere to the stated standards as outlined below.

Hardware Specifications

Forged shoulder machinery eyebolts should be an M8 size, 1.25 mm per thread, and must conform to DIN 580 or ASTM A489, for Germany, BGV-C1 is the relevant standard. Minimum shank length should be 26 mm. The eyebolts should be rated for a minimum of 1,000 lbs straight pull working load

Bolts used on custom mounting brackets must be certified to be a metric grade 8.8 or better.

If there are any questions regarding the proper hardware or practices for safe flying or rigging of the Peavey SP® 118, contact a certified structural engineer, or consult with those local rigging companies who have trained and certified personnel.

Architectural & Engineering Specifications

The loudspeaker system shall have an operating bandwidth of 51 Hz to 320 Hz. The nominal output level shall be 98 dB when measured at a distance of 1 meter with an input of 1 watt. The nominal impedance shall be 8.0 ohms. The maximum continuous power handling shall be 600 watts, with maximum program power of 1,200 watts, peak power input of at least 2,400 watts and a minimum amplifier headroom of 3 dB. It shall use a Peavey 1808-8 AL CP Pro Rider® woofer. Fly point inserts shall be provided, 12 per cabinet, at the following locations: 3 top, 3 bottom and 2 each side & 1 each top rear and bottom rear. The outside dimensions shall be 26.38 inches high by 22.84 inches wide by 24.5 inches deep. The weight shall be 77 lbs. The loudspeaker system shall be a Peavey model SP® 118.

Frequency Response, 1 meter on-axis, swept-sine in anechoic environment:

51 Hz to 320 Hz (± 3 dB)

Usable Low Frequency limit (-10 dB point):

41 Hz

Power Handling:

Low Frequency Section:

600 W continuous

1,200 W program

2,400 W peak

Sound Pressure Level, 1 Watt, 1 meter in anechoic environment:

Low Frequency Section:

98 dB SPL, (2.83 V input)

Maximum Sound Pressure Level (1 meter):

Low Frequency Section:

126 dB SPL continuous

132 dB SPL peak

Transducer Complement:

Low Frequency Section:

1 X 18" woofer, vented

1808-8 AL CP Pro Rider®

Box Tuning Frequency:

Low Frequency Section: 43 Hz

Recommended Active Crossover Frequency Region and Slope:

Low Frequency - High Frequency:

120 Hz at 24 dB/octave LR

Recommended Infra-sonic Filter:

High pass Filter – 40 Hz or higher at 24 dB/octave LR

Impedance (Z):

Low Frequency:

Nominal: 8.0 Ω

Minimum: 5.7 Ω

Input Connections:

Full range: two 1/4" phone jacks, one four-pin, twist lock jack.

Enclosure Materials & Finish:

Plywood coated in a black textured polyurethane finish. Full length black powder coated metal grille.

Mounting provisions:

Top box stand pole mount, threaded, M20 threads.

12) M8 Threaded Mounting Suspension Points (3 top, 3 bottom and 2 each side & 1 each top rear and bottom rear).

Four large rubber feet on bottom for floor use

Dimensions (H x W x D):

26.38 in. x 22.84 in. x 24.5 in.

670 mm x 580 mm x 622 mm

Net Weight:

77 Lbs. (35.0 kg)



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Warranty registration and information for U.S. customers available online at

www.peavey.com/warranty

or use the QR tag below



Features and specifications subject to change without notice.

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Logo referenced in Directive 2002/96/EC Annex IV
(OJ(L)37/38,13.02.03 and defined in EN 50419: 2005
The bar is the symbol for marking of new waste and
is applied only to equipment manufactured after
13 August 2005