



SP® 218 Passive Sub

Product Specifications

ENGLISH

Description

The SP® 218 is a subwoofer designed to enhance the low-end in the SP Series or other full-range speaker systems. Other uses include bass guitar, keyboard and drum monitoring. This loudspeaker system delivers high output, low distortion bass from two 18" Pro Rider woofers mounted in a vented enclosure. This unit is designed for portability. The enclosure is constructed of hardwood plywood augmented with internal braces with a textured black painted finish. A full-length, wrap-around perforated steel grille protects the front of the enclosure. Tilt-back casters are mounted at the rear bottom corner to assist in portability. A pole mount plate is located on the right hand side of the enclosure, with an insert for a threaded pole, using M20 threads. The threaded pole is included. Rubber feet and corner casters on the bottom and a corner handle on top make moving the enclosure an easy, one-person operation.

Inputs are at the rear of the enclosure and consist of two 1/4" jacks, one four-pin twist-lock non-switching jack and one Neutrik® Speakon® switching jack. The enclosure input is configurable, with the default being 4 ohms with both drivers in parallel when using the parallel inputs. A dual-woofer 2 x 8 ohm configuration is available through the switching Neutrik® jack, which disconnects the 4 ohm inputs and provides separate inputs to the woofers when used. This ingenious input design provides maximum flexibility for single-or dual-amplifier operation, without having to manually rewire the enclosure.

This low frequency enclosure is comprised of two 18" Pro Rider® subwoofer drivers in a vented alignment. The Pro Rider driver delivers superior performance due to its advanced cooling system, large 4" voice coil with edge-wound aluminum wire and high performance cone. This design provides strong bass extension and high power handling to complement a full-range sound system.

As the SP 218 does not include a passive subwoofer crossover, input should be electronically filtered for subwoofer applications. In addition, for high power operation, a high-pass filter set at 36 Hz and using a 24 dB/octave Linkwitz-Riley filter should be used to improve performance and reliability.

Features

- Two 18" Pro Rider® woofers
- 2,400W program, and 4,800W peak power handling
- Low frequency response down to 41 Hz.
- Inputs include one four-pin twist lock connector and two 1/4" phone jacks all in parallel, and one Neutrik® Speakon® switching jack for independent access to the woofers
- Threaded pole for mount included
- Pole mount plate built-in, threaded for positive pole support
- Full-length, wrap-around perforated steel grille
- Tilt-back casters

SPECIFICATIONS

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

51 Hz to 210 Hz (± 3 dB)

Usable low frequency limit (-10dB point):

41 Hz

Power handling:

1,200 watts continuous 2,400 watts program 4,800 watts peak

Sound pressure level, 1 watt, 1 meter in anechoic environment:

99 dB SPL (2.00 V parallel input)

Maximum sound pressure level (1 meter):

Anechoic: 129 dB SPL continuous 135 dB SPL peak

Half-space: 135 dB SPL continuous 141 dB SPL peak

Radiation angle measured at -6 dB point of polar response:

Essentially omnidirectional

Transducer complement:

2 x 18" woofer, vented Pro Rider® 1808-8 ALCP

Box tuning frequency:

38 Hz

Minimum recommended active crossover frequency and slope for bi-amping:

100 Hz at 24 dB/octave Linkwitz-Riley Low pass filter

Recommended Infra-sonic Filter:

36 Hz (-6 dB point) 24 dB/octave Linkwitz-Riley High-pass.

Impedance (Z):

Parallel input: nominal 4.0 Ω , minimum: 3.1 Ω

Dual-woofer input: nominal 2 x 8.0 Ω , minimum: 2 x 6.2 Ω

Input connections:

Full range: two 1/4" phone jacks, one four-pin, twist lock jack, one four-pin Neutrik® SpeakOn® switching jack for independent access to each woofer..

Enclosure materials & finish:

Plywood with internal bracing finished in black textured paint. Full length black powder coated metal grille.

Dimensions (H x W x D):

Height: 47.28 " / 1201 mm Width: 20.38" / 518 mm Depth: 26.81" / 681 mm

Net Weight:

135 lbs. (61.3 kg)

SPECIFICATIONS

Architectural & Engineering Specifications

The loudspeaker system shall have an operating bandwidth of 51 Hz to 210 Hz. The nominal output level shall be 99 dB when measured at a distance of one meter with an input of one watt. The nominal impedance shall be 4.0 ohms or 2 x 8 ohms, depending on configuration. Two Pro Rider® model 1808-8 ALCP 18" woofers shall be used in a vented enclosure.

The maximum continuous power handling shall be 1,200 watts, maximum program power of 2,400 watts, a peak power input of at least 4,800 watts and a minimum amplifier headroom of 3 dB. The outside dimensions shall be 47.28 inches high by 20.38 inches wide by 26.81 inches deep. The weight shall be 135 lbs. The loudspeaker system shall be a Peavey model SP 218.



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Warranty registration and information for U.S. customers available online at
www.peavey.com/warranty
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Features and specifications subject to change without notice.

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Logo referenced in Directive 2002/96/EC Annex IV
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The bar is the symbol for marking of new waste and
is applied only to equipment manufactured after
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