

SP E A V E Y E L E C T R O N I C S

SP™ 118

Subwoofer

SPECIFICATIONS

Frequency Response, 1 Meter On-Axis, Swept-Sine in Anechoic Environment:

48 Hz to 1 kHz

Low Frequency Cut-Off (-3 dB point):

48 Hz

Usable Low Frequency Limit (-10 dB point):

38 Hz

Power Handling:

350 W continuous (37.4 V RMS)

700 W program

1,400 W peak

Sound Pressure Level, 1 Watt, 1 Meter in Anechoic Environment:

99 dB (2.0 V)

Maximum Sound Pressure Level (1 meter):

122 dB continuous

128 dB peak

Radiation Angle Measured at -6 dB Point of Polar Response:

Essentially omnidirectional

Transducer Complement:

One Peavey 1801-4 Black Widow®

Box Tuning Frequency:

36 Hz

Minimum Recommended Active Crossover Frequency and Slope for Bi-amping:

90 Hz at 18 dB/octave

Impedance (Z):

Nominal: 4 Ω

Minimum: 4.15 Ω

Input Connections:

2-paralleled 1/4" jacks

Enclosure Materials & Finish:

3/4" MDF, black carpet covered

3/4" plywood, pole base

Mounting Provisions:

Integral stand mount for mid/high speaker



Dimensions (H x W x D):

33" x 21.38" x 30"

(83.8 cm x 54.3 cm x 76.2 cm)

30" (rear width) (76.2 cm)

Net Weight:

100 lbs. (45.28 kg)

FEATURES

- 1801-4 Black Widow® woofer
- 16-gauge plasticized grille
- Protective corners
- Integral stand mount for supplemental mid/high speaker
- Black carpet-covered cabinet

DESCRIPTION

The SP™ 118 Sub is a perfect match as an additional low frequency enclosure for any of the SP Series enclosures. A stand mount is built into the cabinet for ease of adding a supplemental mid/high speaker that has a matching 35 mm (1-3/8") stand adapter in its base. The recommended pole is Peavey part number 00326530.

Excellent sonic performance can be obtained when using a

separate crossover that is designed to send frequencies above 125 Hz to the mid/highs, while at the same time sending frequencies below 125 Hz to the SP 118 Sub. The crossover filter slope should be a minimum of 12 dB per octave at 125 Hz, and preferably 18 dB per octave for lower crossover frequencies. For maximum versatility for the musician, there are no crossover components within the SP 118 Sub cabinet. The two 1/4" jacks are paralleled, one as an input and the other as a thru.

The SP 118 Sub enclosure is loaded with an 1801-4 Black Widow® woofer. This woofer will provide years of high reliability under the most punishing of low frequency applications.

PEAVEY®

FREQUENCY RESPONSE

This measurement is useful in determining how accurately a given unit reproduces an input signal. The frequency response of the SP 118 Sub is measured at a distance of 1 meter using a 2.0 volt swept-sine input signal. As shown in Figure 1, the selected drivers in the SP 118 Sub combine to give a smooth frequency response from 48 Hz to 1 kHz.

POWER HANDLING

There are many different approaches to power handling ratings. Peavey Electronics rates this unit's system power handling using a modified form of the AES Standard 2-1984, utilizing audio band limited (20 Hz to 20 kHz) pink noise with peaks over four times the RMS level. This strenuous test signal assures the user that every portion of this system can

withstand today's high technology music. The test signal contains large amounts of very low-frequency energy, effectively simulating the frequency content of live music situations. The full measure of high frequencies in the test signal allow for exposure of the speaker system to synthesized tones that may extend beyond audibility. This rating is contingent on having a minimum of 3 dB of amplifier headroom available so as to ensure that clipping does not occur.

ARCHITECTURAL & ENGINEERING SPECIFICATIONS

The loudspeaker system shall have an operating bandwidth of 48 Hz to 1 kHz. The nominal output level shall be 98 dB when measured at a distance of one meter with an input of one watt. The nominal impedance shall be 4 ohms. The maximum continuous power

handling shall be 350 watts, maximum program power of 700 watts and a peak power input of at least 1,400 watts, with a minimum amplifier headroom of 3 dB. The nominal radiation geometry shall be essentially omnidirectional in both horizontal and vertical planes. The outside dimensions shall be 33 inches high by 21.38 inches wide by 30 inches deep. The weight shall be 100 pounds. The loudspeaker system shall be a Peavey model SP 118 Subwoofer.

ONE YEAR LIMITED WARRANTY

NOTE: For details, refer to the warranty statement. Copies of this statement may be obtained by contacting Peavey Electronics Corporation, P.O. Box 2898, Meridian, Mississippi 39302-2898.

Amplitude Response (1W 1m On-Axis)

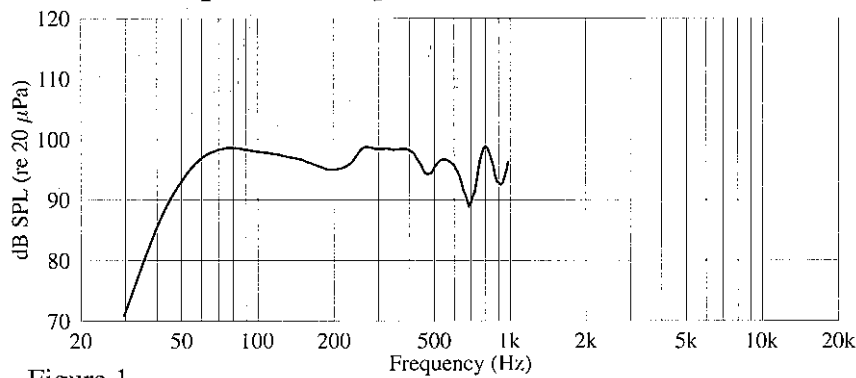


Figure 1

Impedance

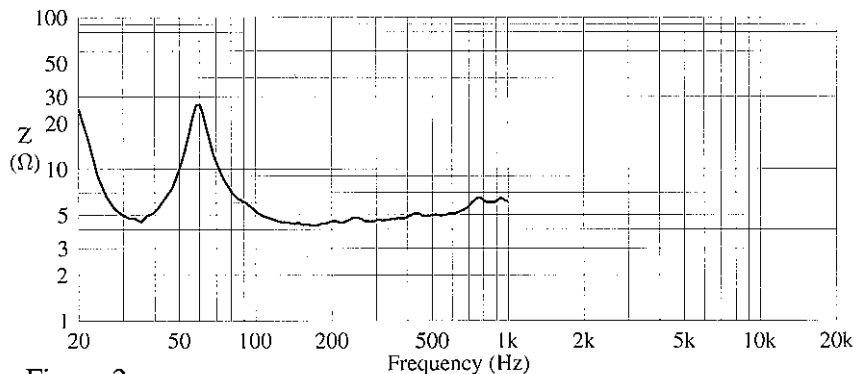


Figure 2



Features and specifications subject to change without notice.

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