

# PEAVEY ELECTRONICS

# SP E C O S

## SP™ 218

### Loudspeaker System Subwoofer

#### SPECIFICATIONS

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

46 Hz to 1 kHz

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

46 Hz

**Usable Low Frequency Limit  
(-10 dB point):**

38 Hz

**Power Handling:**

700 W continuous (52.9 V RMS)

1,400 W program

2,800 W peak

**Sound Pressure Level, 2 V (1 Watt),  
1 Meter in Anechoic Environment:**

100 dB SPL

**Maximum Sound Pressure Level  
(1 meter):**

122 dB SPL (continuous)

128 dB SPL (peak)

**Transducer Complement:**

Two Peavey 1801-8 LT Black Widows

**Box Tuning Frequency:**

42 Hz

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

90 Hz at 18 dB/octave

**Impedance (Z):**

Nominal: -4 Ω

Minimum: -4.4 Ω

**Input Connections:**

Two paralleled 1/4" jacks

**Enclosure Materials and Finish:**

3/4" plywood enclosure covered with  
durable black carpet

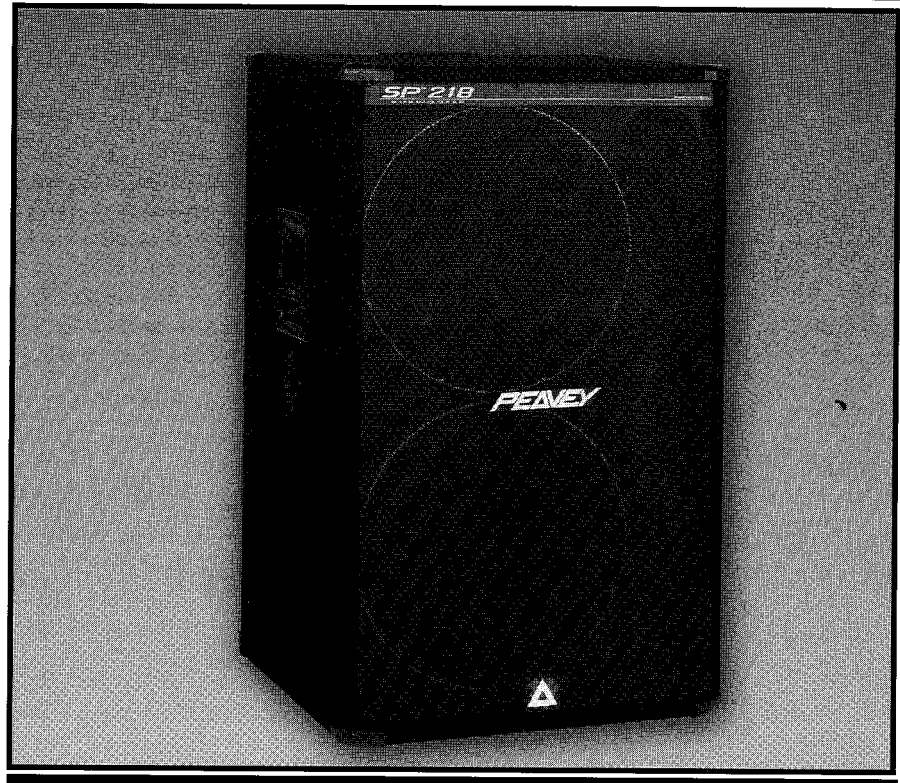
**Mounting Provisions:**

Integral stand mount for mid/high  
enclosure

**Dimensions (H x W x D):**

42.75" x 27" x 25.5"

(108.6 cm x 68.58 cm x 64.78 cm)



**Net Weight:**

139.1 lbs. (63.21 kg)

#### FEATURES

- Two 1801-8 LT Black Widow® woofer
- 18 gauge powder coated steel grille for driver protection
- Protective polymer corners
- Integral stand mount for supplemental mid/high enclosure
- Rear pocket casters for easy portability

#### DESCRIPTION

A new addition to the SP™ line of enclosures, the SP™ 218 Subwoofer offers high power handling, portability and flexibility to address a wide range of audio applications. The perfect subwoofer complement for any of the full range SP™ G enclosures, the SP™ 218 Sub is well-suited for high-end DJ as well as live sound reinforcement. The SP™ 218 Sub can be placed in the vertical or horizontal position. A stand mount is built into the side of

the cabinet for use in the horizontal position. This eases the addition of 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 sending frequencies below 125 Hz to the SP™ 218 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™ 218 Sub cabinet. The two 1/4" jacks are paralleled; one as an input and the other as a thru. The SP™ 218 Sub enclosure is loaded with two 1801-8 LT Black Widows.



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### FREQUENCY RESPONSE

This measurement is useful in determining how accurately a given unit reproduces an input signal. The frequency response of the SP™ 218 Sub is measured at a distance of 1 meter using a 2 volt swept-sine input signal. As shown in Figure 1, the selected drivers in the SP™ 218 Sub combine to give a smooth frequency response from 46 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 - 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 allows 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 to ensure that clipping does not occur.

### ARCHITECTURAL AND ENGINEERING SPECIFICATIONS

The loudspeaker system shall have an operating bandwidth of 46 Hz to 1 kHz. The nominal output level shall be 100 dB when measured at a distance of 1 meter with an input of 1 watt. The nominal impedance

shall be 4 ohms. The maximum continuous power handling shall be 700 watts, maximum program power of 1400 watts and a peak power input of at least 2800 watts, with a minimum amplifier headroom of 3 dB. The nominal radiation geometry shall be essentially omnidirectional. The outside dimensions shall be 42.75 inches high by 27 inches wide by 25.5 inches deep. The weight shall be 139.1 pounds. The loudspeaker system shall be a Peavey model SP™ 218 Subwoofer.

### THREE PLUS TWO 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.

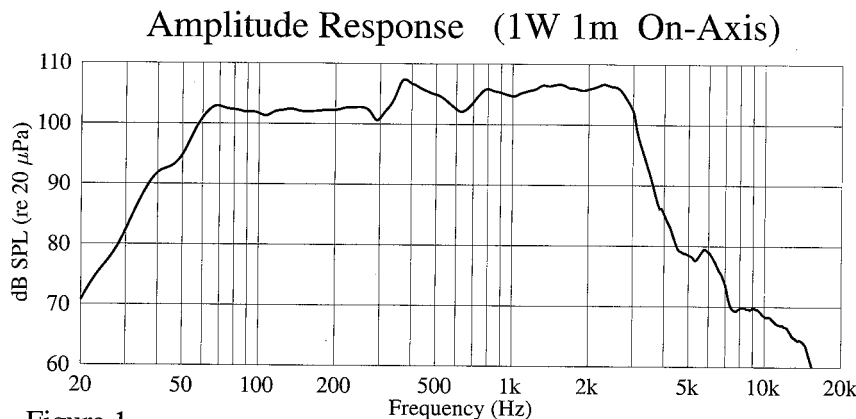


Figure 1

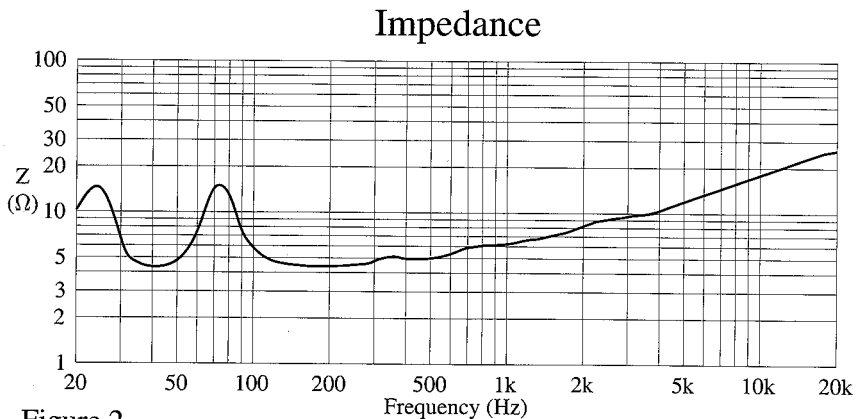


Figure 2



Features and specifications subject to change without notice.

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