

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

SP™ Subcompact 18 Subwoofer

Loudspeaker System Specifications

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

47 Hz - 190 Hz, ± 3 dB

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

47 Hz

Usable Low Frequency Limit
(-10 dB point):

39 Hz

Power Handling:

350 W continuous (52.9 V RMS)

700 W program

1,400 W peak

Sound Pressure Level, 2.8 V
(1 Watt), 1 meter in anechoic
environment:

99 dB SPL

Maximum Sound Pressure Level
(1 meter):

122 dB

Transducer Complement:

One 1801-8 Black Widow® 18"
woofer with Kevlar® impregnated
cone

Tuning Frequency (Fbox):

35 and 92 Hz

Impedance (Nominal):

8 Ω

Impedance (Minimum):

6.7 Ω

Input Connections:

Two parallel 1/4" female connectors,
one full range input, one full range
satellite output



Enclosure Materials and Finish:

High density, 7-ply, 3/4" plywood
covered with heavy-duty black
carpet, reinforced with black corners.
Vents are protected by black metal
grilles.

Mounting Provisions:

Four rubber feet for floor use

Dimensions (H x W x D):

23.75" x 28" x 23.75"

60.33 cm x 71.12 cm x 60.32 cm

Net Weight:

109 lbs. (49.44 kg)

Additional Remarks:

When used with biampification, a
crossover frequency of 200 Hz or
lower is recommended.

DESCRIPTION

The SP™ Subcompact 18 is a small,
lightweight add-on subwoofer designed to
make it easy to add more low end to the

SP™ Series or other full-range speaker
systems. Other uses include bass guitar
and drum monitoring.

The enclosure is constructed of
7-ply 3/4" high density plywood covered
with a heavy-duty black carpet and
reinforced with corners. Black metal
grilles cover the vent openings. A
recessed handle on either side eases
carrying. This low-frequency enclosure is
comprised of an 18" Black Widow woofer
with a Kevlar impregnated cone mounted
in a dual resonant chamber configuration,
providing high output at low distortion by
controlling speaker excursion and
acoustically filtering out high frequencies.

The SP™ Subcompact 18 now features
a stand adapter which allows any SP
Series enclosure to be used on a (Peavey
part number 00326540) pole. Top cabinet
weight should not exceed 100 lbs. Pole
length should not exceed 36" for other
applications.



PEAVEY

FREQUENCY RESPONSE

This measurement is useful in determining how accurately a given enclosure reproduces an input signal. The frequency response of the SP™ Subcompact 18 is measured at 1 meter using a 2.82 volt swept-sine input. As shown in Figure 1, the selected driver in the SP™ Subcompact 18 gives a smooth frequency response from 47 Hz to 190 Hz.

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.

MOUNTING

Caution: The SP™ Subcompact 18 is not designed to be suspended overhead.

ARCHITECTURAL AND ENGINEERING SPECIFICATIONS

The loudspeaker system shall have an operating bandwidth of 47 Hz to 190 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 8 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 180 degrees in the horizontal plane and 180 degrees in the vertical plane. The outside dimensions shall be 28 inches high by 23.75 inches wide by 23.75 inches deep. The weight shall be 109 pounds. The loudspeaker system shall be a Peavey model SP™ Subcompact 18.

THREE PLUS TWO YEARS 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)

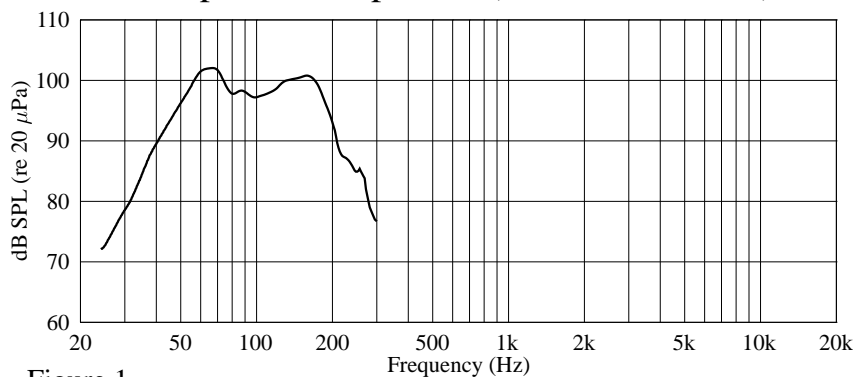


Figure 1

Impedance

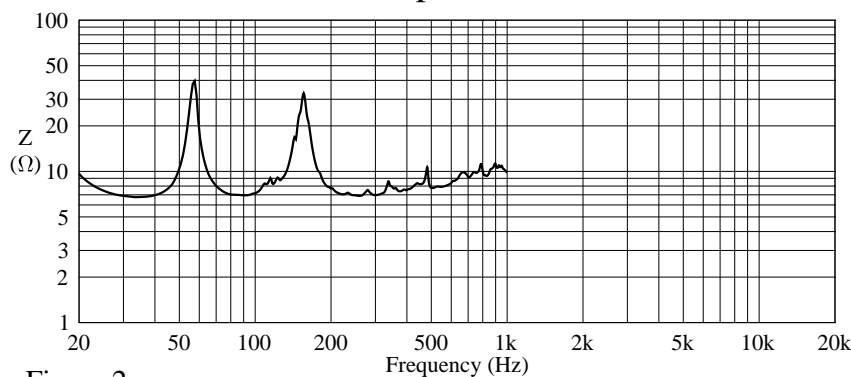


Figure 2



Features and specifications subject to change without notice.
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