SPECS

PEAVEY ELECTRONICS

Subcompact® 18
Subwoofer

SPECIFICATIONS

Frequency Response:
47 Hz - 200 Hz, ±3 dB

Low Frequency Limit (-3 dB point):
47 Hz

Useable Low Frequency Limit (-10 dB point):
39 Hz

Power Handling:
350 watts continuous (52.9 V RMS)
700 watts program

Sound Pressure Level 1 Watt at 1 Meter Swept Sine Input in Anechoic Environment:
99 dB

Maximum Sound Pressure Level:
122 dB

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

Tuning Frequency (Fbox):
62 Hz and 170 Hz

Impedance (Nominal):
8 ohms

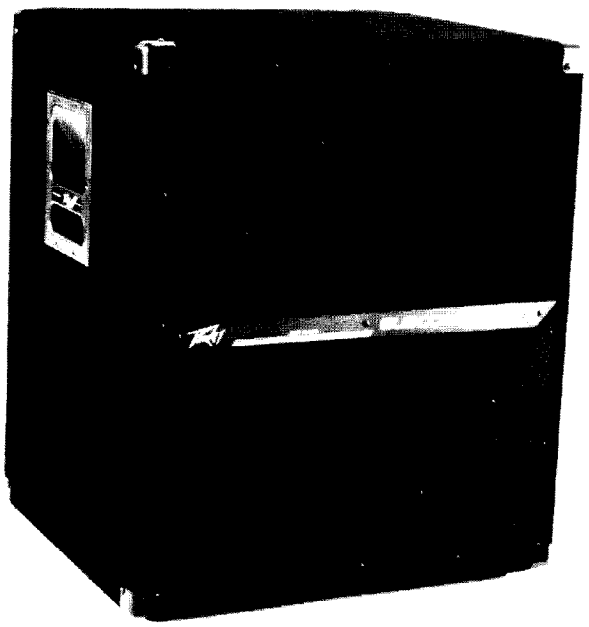
Impedance (Minimum):
7.8 ohms

Input Connections:
Two ¼" female connectors, one full range input, one satellite output

Enclosure Materials & Finish:
High density, 7-ply, ¾" plywood covered with heavy-duty black carpet, reinforced with black steel corners, vents are protected by black metal grilles

Mounting:
Four large rubber feet for floor use

Dimensions:
23¾" W x 27¾" H x 20" D
60.3 cm W x 70.5 cm H x 50.8 cm D



Optional Accessories:
ECS-250 passive crossover, CS Series plug-in module, such as PL-Subsonic or PL-100, 150, or 250

Net Weight:
84 lbs.

Additional Remarks:
When used with biamplification, a crossover frequency of 250 Hz or lower is recommended

Kevlar® is a registered trademark of DuPont Company.

DESCRIPTION

The Subcompact® 18 is a small lightweight add-on subwoofer designed to make it easy to add more low end to the SP™ Ti Series or other full-range speaker systems. Other uses include bass guitar and drum monitoring.

The enclosure is constructed of 7-ply ¾" high density plywood covered with a heavy-duty black carpet and reinforced with steel corners. Black metal grilles cover the vent openings. A recessed handle on either side eases portage. 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.

FREQUENCY RESPONSE

This measurement is useful in determining how accurately a given enclosure reproduces an input signal. The frequency response of the 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 Subcompact™ 18 gives a smooth frequency response from 47 Hz to 200 Hz.

POWER HANDLING

There are many different approaches to power handling ratings. Peavey rates this speaker system's power handling using a modified form of the AES Standard 2-1984. Utilizing audio band (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 allow for exposure of the speaker system to synthesized tones that may extend beyond audibility. This rating is contingent on having a minimum 3 dB of amplifier headroom available.

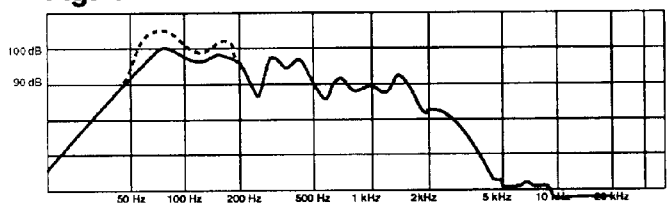
ARCHITECTURAL & ENGINEERING SPECIFICATIONS

The loudspeaker system shall have an operating bandwidth of 47 Hz to 200 Hz. The 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 continuous power handling shall be 350 watts, maximum program power of 700 watts, with a minimum amplifier headroom of 3 dB. The outside dimensions shall be 23¾" wide by 27¾" high by 20" deep. The weight shall be 84 pounds. The loudspeaker system shall be a Peavey model Subcompact™ 18.

ONE YEAR LIMITED WARRANTY —

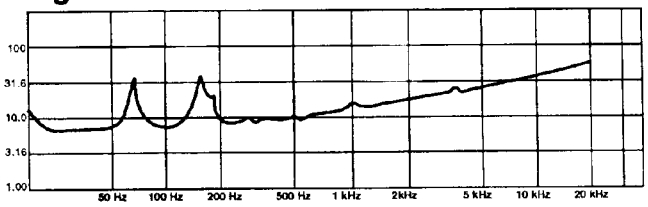
NOTE: For details, refer to the warranty statement. Copies of this statement may be obtained by contacting Peavey Electronics Corporation, P. O. Box 2898, Meridian, Mississippi 39302-2898.

Fig. 1 **Frequency Response**



Solid Line = Anechoic Response
Dotted Line = Room Response

Fig. 2 **Impedance**



Features and specifications subject to change without notice.

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