SPECS

PEAVEY ELECTRONICS

SP™ 115M

Two-Way, Dual-Angle Floor Monitor with Sound Guard™

SPECIFICATIONS

Frequency Response:
88 Hz to 17 kHz, ±3 dB

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

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

Power Handling:
250 watts continuous (44.7 V RMS)
500 watts program
1000 watts peak

Sound Pressure Level, 1 Watt at 1 Meter, Swept-Sine Input in Anechoic Environment:
101 dB

Maximum Sound Pressure Level:
124 dB

Transducer Complement:
One 22XT™ titanium diaphragm compression driver mounted on a CH™-3 CD horn
One 1505-8 KADT 15" Black Widow® woofer

Tuning Frequency (F_{box}):
Sealed box 96 Hz

Electrical Acoustic Crossover Frequency:
1.2 kHz

Crossover Type:
Internal passive with Sound Guard™ high-frequency driver protection circuit

High-level Electrical Crossover Slope:
Modified 12 dB/octave (2nd order) for both high and low pass

Impedance (Z):

Full-Range Nominal:	8 ohms
Full-Range Minimum:	6.4 ohms
Low Input Nominal:	8 ohms
High Input Nominal:	8 ohms

Input Connections:
Two 1/4" full-range female connectors, one each bi-amp high and low

Enclosure Materials and Finish:
7-ply, high-density 3/4" plywood covered with wear-resistant black carpet
3-D metal grille provides driver protection

Mounting:
Two sets of four rubber feet to accommodate dual-angle usage
SA™-1 stand adaptor

Dimensions (H x W x D):
16-1/4" x 24-3/8" x 18-7/16"
(41.3 cm x 61.9 cm x 46.8 cm)

Net Weight:
53 lbs.

FEATURES

- Dual-angle use: 45° or 30°
- 3-D protective metal grille
- Low-profile, contemporary cabinet
- Black carpet material covering
- High-level, passive crossover with bi-amp capability and Sound Guard™ protection circuit
- Clean, crisp vocals at high SPLs
- 15" Black Widow® woofer with Kevlar®-impregnated cone
- 22XT™ titanium compression driver
- CH™-3 constant-directivity horn
- SA™-1 stand adaptor

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DESCRIPTION

The SP™ 115M is a full-range, two-way, dual-angle floor monitor engineered for on-stage monitoring applications at high SPLs while maintaining vocal clarity.

The cabinet is constructed of 7-ply 3/4" high-density plywood, reinforced with integral bracing and covered with a black, wear-resistant carpet material. A 3-D, black metal grille provides driver protection. The two-way system is comprised of a Kevlar®-impregnated, 15" 1505-8 KADT Black Widow low-frequency driver, and a Sound Guard protected 22XT titanium diaphragm compression driver mounted onto a CH-3 constant-directivity horn supplying the mid and high frequencies. The audio spectrum is divided by a two-way, high-level passive internal network, providing a smooth frequency from 88 Hz to 17 kHz. Full-range or bi-amp operation is available via 1/4" female connectors, two full-range inputs in parallel and one each bi-amp high and low.

Two sets of rubber feet are furnished to facilitate dual-angle use (either 30 or 45 degrees), as well as a SA-1 stand adaptor, which allows for the use of a speaker stand to elevate the enclosure.

FREQUENCY RESPONSE

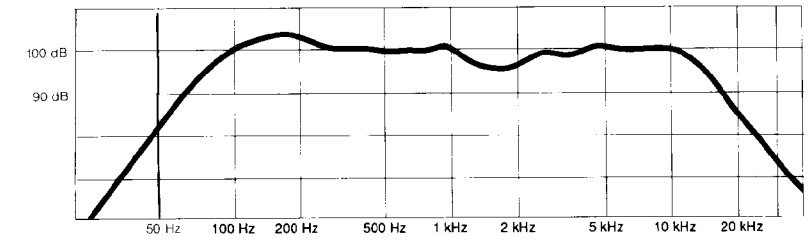
This measurement is useful in determining how accurately a given enclosure reproduces an input signal.

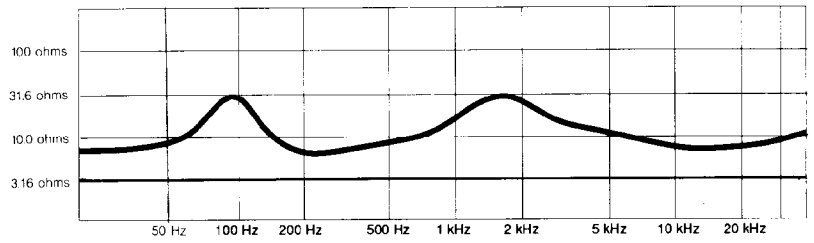
The frequency response of the SP 115M is measured at 1 meter using a 2.82-volt, swept-sine input. The selected drivers in the SP 115M combine to give a smooth frequency response from 88 Hz to 20 kHz.

POWER HANDLING

There are many different approaches to power handling ratings. Peavey rates this speaker system's power handing using a modified form of the AES Standard 2-1984. Utilizing audio band 20 Hz to 17 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 amplifier headroom available.





ARCHITECTURAL & ENGINEERING SPECIFICATIONS

The loudspeaker system shall have an operating bandwidth of 88 Hz to 14 kHz. The output level shall be 101 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 250 watts with maximum program of 500 watts and minimum amplifier headroom of 3 dB. The high frequency driver will be protected by the Sound Guard protection circuitry. The nominal radiation geometry shall be 45° in the horizontal plane and 90° in the vertical plane.

The outside dimensions shall be 16-1/4 inches high by 24-3/8 inches wide by 18-7/16 inches deep. The weight shall be 53 lbs. The cabinet shall have an SA-1 stand adaptor. The loudspeaker system shall be a Peavey model SP™ 115M

3 + 2 YEAR LIMITED WARRANTY

NOTE: For more 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.

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Features and specifications subject to change without notice.

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