

Description

The SSE 10M is a new low-profile monitor enclosure featuring high power ratings with custom components, a sleek look and a unique, snap-in metal grille. The SSE 10M is a full-range, two-way system featuring the highly acclaimed Peavey 14T titanium compression driver with the diverse Sound Guard IV tweeter protection network and a maximum-performance 10" woofer for a smooth response. The SSE 10M is rated at 400 Watts program and 800 Watts peak. This lightweight speaker system may be placed on stage at angles of either 30° or 45° and is ideal for smaller venues where stage space is at a premium. Connections are made using a four-pin Twist-Lock or a paralleled two-position terminal block for additional cabinets. The SSE 10M is available in black or white.

Features

- Two-way monitor enclosure
- Peavey 14T™ titanium compression driver
- Sound Guard™ IV tweeter protection network
- 400 Watts program/800 Watts peak power handling
- 12 mm birch plywood construction
- 80 Hz to 17 kHz
- 95 dB at 1W/1m
- 8 Ohms
- Available in two finishes:
Black or White

Frequency response, 1 meter on-axis, swept-sine in anechoic environment:
80 Hz to 17 kHz (± 3 dB)

Usable low frequency limit (-10 dB point):
60 Hz

Power handling:
Full Range:
400 Watts program
800 Watts peak

Sound pressure level, 1 Watt, 1 meter in anechoic environment:
Full range:
95 dB SPL (2.83 V input)

Maximum sound pressure level (1 meter):
Full range:
118 dB SPL continuous
124 dB SPL peak





SANCTUARY SERIES™

Transducer complement:

Low frequency section:

Premium grade 10" woofer

High frequency section:

Peavey 14T™ titanium diaphragm

compression driver on a 90° x 60° constant directivity horn

Box tuning frequency:

Low Frequency Section: 78 Hz

Harmonic distortion:

1% rated power

Second harmonic:

100 Hz: 0.43%

1 kHz: 0.07%

Third harmonic:

100 Hz: 0.58%

1 kHz: 1.02%

10% rated power

Second harmonic:

100 Hz: 2.28%

1 kHz: 0.40%

Third harmonic:

100 Hz: 0.97%

1 kHz: 2.02%

Electro-acoustic crossover frequency

(internal passive):

2.8 kHz

Impedance (Z):

Full range:

Nominal: 8 Ω

Minimum: 5.4 Ω

Input connection:

One four-pin Twist-Lock in parallel with one two-position terminal strip

Enclosure materials & finish:

Dado-joined 12 mm birch finished with a textured acrylic polyurethane with a full-length metal grille covered in acoustical-grade grille cloth. Available in black or white

Dimensions (H x W x D):

14.56" x 19.63" x 15.95"

370 mm x 498 mm x 405 mm

Net weight:

29 lbs. (13.2 kg)

Frequency response

This measurement is useful in determining how accurately a given unit reproduces an input signal. The frequency response of the SSE 10M is measured at a distance of 1 meter using a 1 Watt swept-sine input signal (into the nominal impedance). As shown in figure 1, the selected drivers in the SSE 10M combine to give a smooth frequency response from 80 Hz to 17 kHz.

Power handling

There are many different approaches to power handling ratings. Peavey rates this loudspeaker system's power handling using a full-range form of the AES Standard 2-1984. Using audio band 20 Hz to 20 kHz pink noise with peaks of 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. This rating is contingent upon having a minimum of 3 dB available amplifier headroom.

Harmonic distortion

Second and third harmonic distortions vs. frequency are plotted in figures 3 & 4 for two power levels: ten percent (10%) of rated input power and either one percent (1%) of rated input power or 1 Watt, whichever is greater. Distortion is read from the graph as the difference between the fundamental signal (frequency response) and the desired harmonic. As an example, a distortion curve that is down 40 dB from the fundamental is equivalent to 1% distortion.

Architectural & engineering specifications

The loudspeaker system shall have an operating bandwidth of 80 Hz to 17kHz. The nominal output level shall be 95 dB when measured at a distance of one meter with an input of one Watt. The nominal impedance shall be 8 ohms. The maximum program power handling shall be 400 Watts, with a peak power input of at least 800 Watts and a minimum amplifier headroom of 3 dB. The nominal radiation geometry shall be 90° in the horizontal plane and 60° in the vertical plane. The outside dimensions shall be 14.56" high by 19.63" wide by 15.95" deep. The weight shall be 29 lbs. The loudspeaker system shall be a model SSE 10M.

NOTE: Features and specifications subject to change without notice.

WARRANTY INFORMATION AVAILABLE ONLINE

Amplitude Response (1W 1m On-Axis)

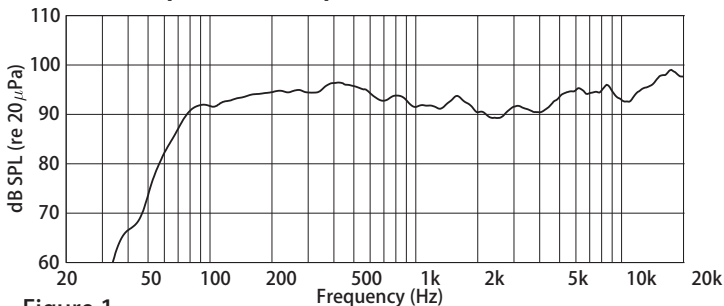


Figure 1

Harmonic Distortion : 10% Rated Power

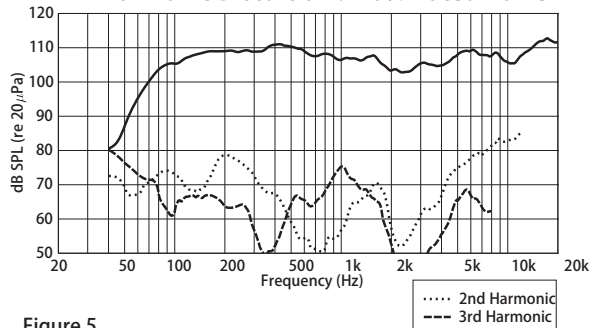


Figure 5

Impedance

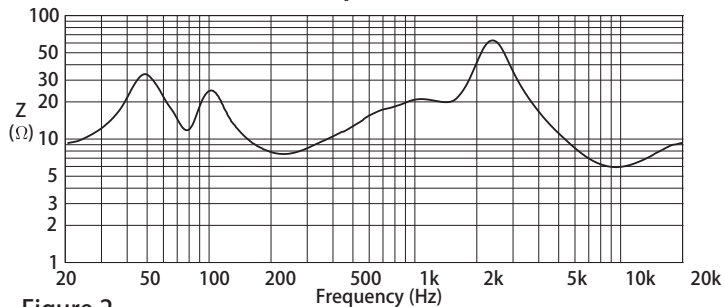


Figure 2

Harmonic Distortion : 1% Rated Power

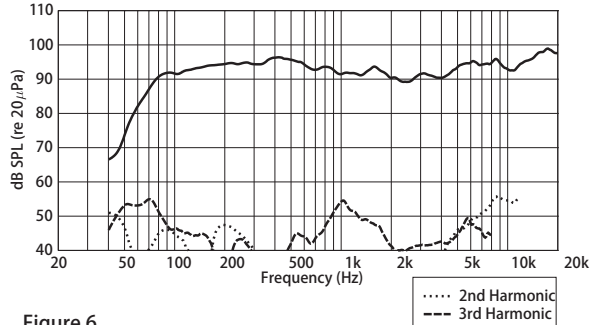


Figure 6

SANCTUARY SERIES™
sanctuary-series.com
SSE 10
MADE IN CHINA

IMPEDANCE:
8 OHMS

WEIGHT:
28 lbs./13 kg

MAX POWER:
400W PROGRAM

PIN 1 + (+) POS.
PIN 1 - (-) NEG.

HF DRIVER PROTECTED BY SOUNDGUARD™ IV
A PRODUCT OF PEAVEY ELECTRONICS

8 Ω **CE**

+ **-**
FULL RANGE INPUTS

DANGER: BEFORE ATTEMPTING TO SUSPEND THIS SPEAKER CONSULT A CERTIFIED STRUCTURAL ENGINEER. SPEAKER CAN FALL FROM IMPROPER SUSPENSION, RESULTING IN SERIOUS INJURY AND PROPERTY DAMAGE. DO NOT SUSPEND OR MOUNT ANY OTHER PRODUCT OR DEVICE FROM THIS ENCLOSURE! USE ONLY GRADE 5 HARDWARE OR BETTER.

WARNING: THIS SPEAKER SYSTEM CAN PERMANENTLY DAMAGE HEARING! USE EXTREME CARE SETTING MAXIMUM LOUDNESS.



www.peavey.com

Warranty registration and information for U.S. customers available online at
www.peavey.com/warranty
or use the QR tag below



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Logo referenced in Directive 2002/96/EC Annex IV
(OJ(L)37/36,13.02.03 and defined in EN 50419: 2005
The bar is the symbol for marking of new waste and
is applied only to equipment manufactured after
13 August 2005