

388S™

**Compact Wide-Range
3-Way Sound
Reinforcement System
Full Range/Biamp Configuration**

SPECIFICATIONS:

Enclosure:
388S

**Frequency Response, 1 Meter on Axis,
Swept Sine Averaged Across Operating
Bandwidth in Anechoic Environment:**

60 Hz-20 kHz

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

**Useable Low Frequency Limit (-10 dB point,
ref. avg. level):**
50 Hz

Power Handling:
150 watts continuous (34.6 volts RMS)
300 watts program

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

Maximum Sound Pressure Level:
120 dB

**Radiation Angle Measured at -6 dB Point of
Polar Response, Swept Sine Input:**

Horizontal Plane:	Vertical Plane:
250-500 Hz 120° +/- 25°	250-500 Hz 130° +/- 25°
500-10,000 Hz 110° +/- 55°	500-10,000 Hz 115° +/- 70°
10-16 kHz 80° +/- 10°	10-16 kHz 50° +/- 15°

**Directivity Factor R₀ (Q), 500 Hz —16 kHz
Median:**
10.0 (+8.0, -7.9)

Directivity Index D_i, 500—16,000 Hz Median:
10.0 dB (+2.5 dB, -6.8 dB)

Transducer Complement:
One 15" SP-15825KG Scorpion® Plus
woofer, one heavy-duty 8" closed back
midrange, one HT™-94 90° H x 45° V
Tweeter

Box Tuning Frequency (F_{box}):
60 Hz

Crossover Frequency:
650 Hz, 7.5 kHz

Crossover Slope:
12 dB/octave low pass
12 dB/octave band pass
12 dB/octave high pass

Crossover Type:
Passive 3-way

Impedance (Nominal):
8 ohms

Impedance (Minimum):
6.1 ohms

Enclosure Materials and Finish:
High density, 7 ply, ¾" plywood covered
with heavy duty, wear resistant carpet

Input Connections:
One ¼" female full range, one XLR full
range, one ¼" female biamp low, one ¼"
female biamp high

Dimensions:
30¼" (76.8 cm) H x 25" (63.5 cm) W x
14¼" (36.2 cm) D

Net Weight:
78 lbs.

DESCRIPTION

The 388S™ is a compact, wide-range 3-way sound reinforcement system flexible enough for monitoring side fill, or general public address. The cabinet is constructed of ¾", 7 ply, high density plywood, covered with a wear resistant carpet, and the corners are reinforced with steel caps. Recessed handles allow ease of portage and facilitate set-up. This three-way system is comprised of one 15 inch SP-15825KG Scorpion® Plus woofer, one 8-inch closed-back mid range, and one HT™-94 super tweeter. The frequency spectrum is divided by a 3-way passive crossover, with provisions for biamping, providing a smooth frequency response of 60 Hz to 20 kHz. Connections to the system are provided by one ¼" full range female connector in parallel with one XLR connector; one ¼" biamp low connector; and one ¼" biamp high connector.

DIRECTIVITY

Beamwidth and directivity factors are derived from the -6 dB points from the polar plots (see figure 3) which are measured in a whole space anechoic environment. These are specifications which provide a reference to the coverage characteristics of the enclosure. These parameters provide insight for proper enclosure placement and installing the chosen environment. The blending of the 388S components exhibit a desirable beamwidth and directivity factor (figures 4 and 5) suitable for all high level sound reinforcement applications.

PEAVEY SPEAKERS FREQUENCY RESPONSE

The frequency response of the 388S is measured in an anechoic environment at a distance of 1 meter while using a 2.82 volt logarithmically swept sine input. This measurement is useful in determining the accuracy in which the enclosure reproduces the input signal. The combination of the 15" SP-1582KG Scorpion® Plus, the heavy duty 8" closed-back midrange and the HT™-94 super tweeter results in a flat desirable response as shown in figure 1.

POWER HANDLING

There are many different approaches to power handling ratings, the most common being EIA standard RS-426A. The derived shape of this test spectrum was an attempt to simulate the spectral content of contemporary music. Although it does resemble contemporary music, EIA-RS-426A does not contain the same levels of very low frequency material found in live music situations. Very high levels of low frequency material produce distortion and, ultimately, device failure. The presence of the low frequency material will therefore yield lower device ratings than produced by EIA standard RS-426A. Although the Peavey ratings are lower than those produced by the EIA test spectrum, they are far more reliable and will have a direct correlation to real world situations.

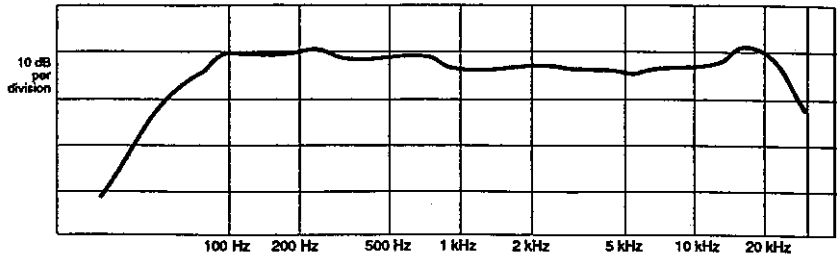


Figure 1. FREQUENCY RESPONSE

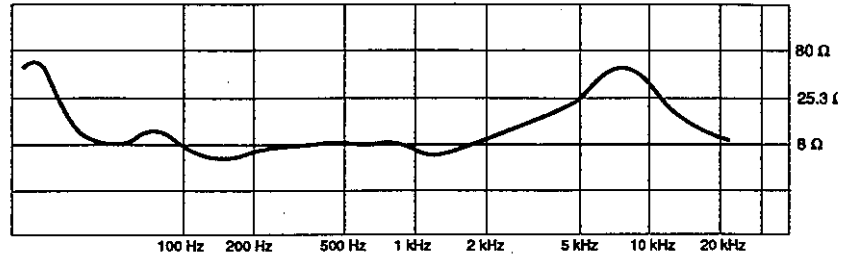


Figure 2. IMPEDANCE

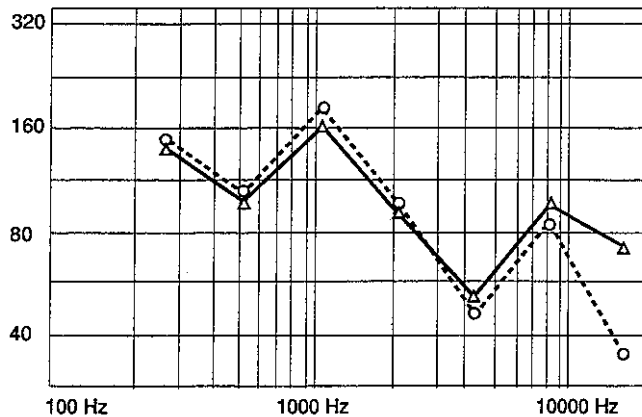


Figure 4. BEAMWIDTH VS. FREQUENCY

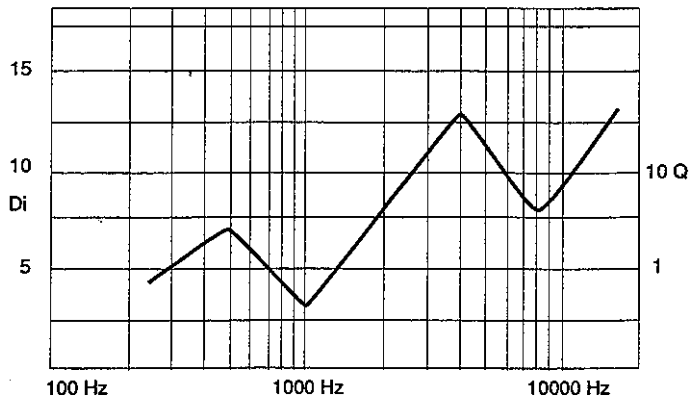


Figure 5. DIRECTIVITY

ARCHITECTURAL & ENGINEERING SPECIFICATIONS

The loudspeaker system shall have an operating bandwidth of 60 Hz to 20 kHz. 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 150 watts, maximum program power of 300 watts, with a minimum amplifier headroom of 3 dB. The nominal radiation geometry shall be 90 degrees in the horizontal plane and 45 in the vertical plane. The outside dimensions shall be 25 inches wide by 30¼ inches high by 14¼ inches deep. The weight shall be 78 lbs. The loudspeaker system shall be a Peavey model 388S™.

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.



Features and specifications subject to change without notice.