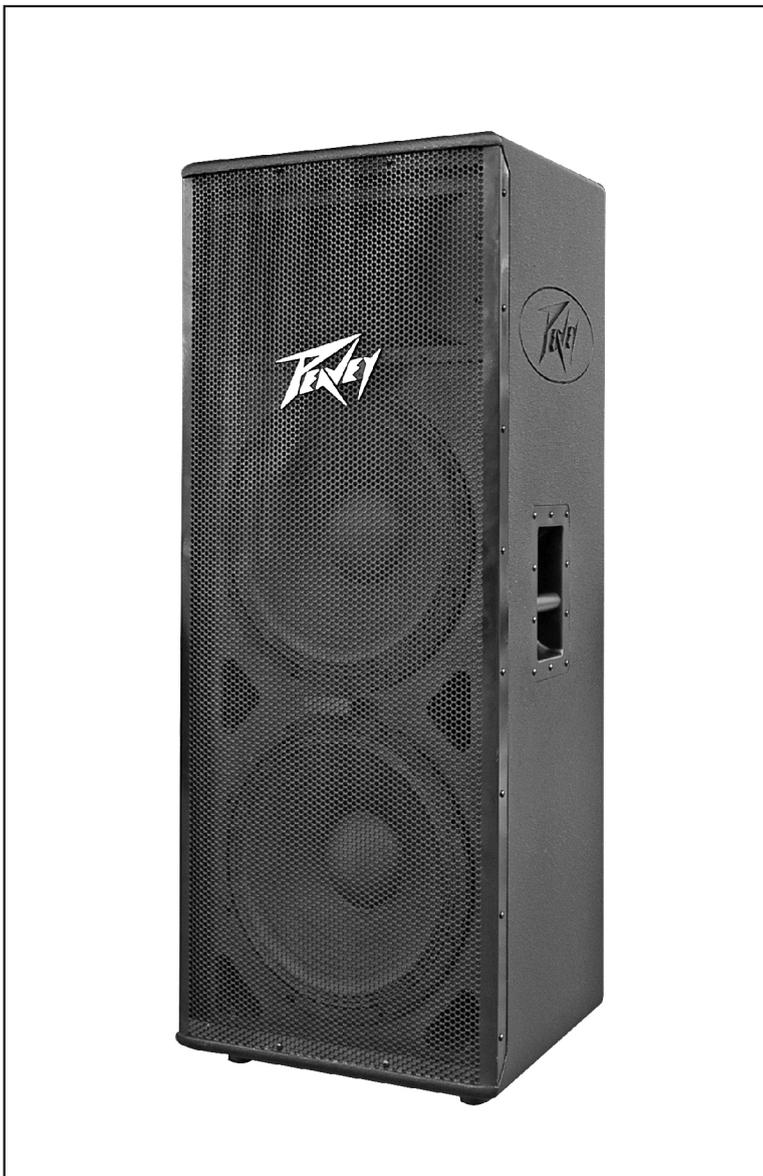


DPE 215

**Crossover Frequency (internal passive):**

Low Frequency - High Frequency:
2 kHz

Impedance (Z):

Full Range:

Nominal: 4 Ω

Minimum: 3.8 Ω

Input Connections:

2 x NL4 type connectors in parallel

Enclosure Materials & Finish:

18mm Plywood in Black
Spraying

Dimensions (H x W x D):

Front:

46.3 in. x 19.3 in. x 18.5 in.

1175 mm x 490 mm x 470 mm

Rear:

46.3 in. x 12.2 in. x 18.5 in.

1175 mm x 310 mm x 470 mm

Net Weight:

117 Lbs. (53 kg)

Usable Low Frequency limit (-10 dB point):

40 Hz — 21 kHz

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

55Hz-17KHz (± 3 dB)

Sound Pressure Level, 1 Watt, 1 meter in anechoic environment:

Full Range:

98 dB SPL, (2.0 V input)

Power Handling:

Full Range:

1400 W program

2800 W peak

Maximum Sound Pressure Level (1 meter):

Full Range:

126 dB SPL continuous

132 dB SPL peak

Transducer Complement:

Low Frequency Section:

Two 15" of 3" Voice Coil Heavy

Duty Cast Frame Woofers

High Frequency Section:

RX 33 Titanium

3" Compression driver

Box Tuning Frequency:

Low Frequency Section:

45 Hz

Features

- RX 33 driver protection circuit
- 90 x 40 large format mouth constant directivity horn
- Two 15" of 3" Voice Coil Heavy Duty Cast Frame Woofers
- 2 x NL4 Type connectors
- 1400 watts program power
- Perforated metal grill
- Smooth round metal handles
- Painted Enclosure



DPE 215

Description

The DPE 215 is a full range quasi-three-way speaker system utilizing two 15" of 3" Voice Coil Heavy Duty Cast Frame Woofers and a RX 33 titanium compression driver for the highs. The driver circuit contains Sound Guard III compression driver protection network. The passive crossover design provides the best system response for the CD horn and woofer combination. The input consist of 2 xNL4 Type connectors connected in parallel for daisy chaining.

Frequency Response

This measurement is useful in determining how accurately a given unit reproduces an input signal. The frequency response of the DPE 215 is measured at a distance of 1-meter using a 1 watt (into the nominal impedance) swept-sine input signal. As shown in figure 1, the selected drivers in the DPE 215 combine to give a smooth frequency response from 55 Hz - 17kHz.

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 of amplifier headroom available.

Harmonic Distortion

Second and third harmonic distortions vs. frequency are plotted in figure 3 at one percent (1%) of rated input power or one 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 55 Hz - 17 kHz. The nominal output level shall be 98 dB when measured at a distance of one meter with an input of one watt. The nominal impedance shall be 4 ohms. The maximum program power of 1400 watts and a peak power input of at least 2800 watts, with a minimum amplifier headroom of 3 dB. The nominal radiation geometry shall be 90 degrees in the horizontal plane and 40 degrees in the vertical plane. The outside dimensions shall be 46.3 inches high by 19.3 inches wide by 18.5 inches deep. The weight shall be 117 pounds. The loudspeaker system shall be a model DPE 215 .

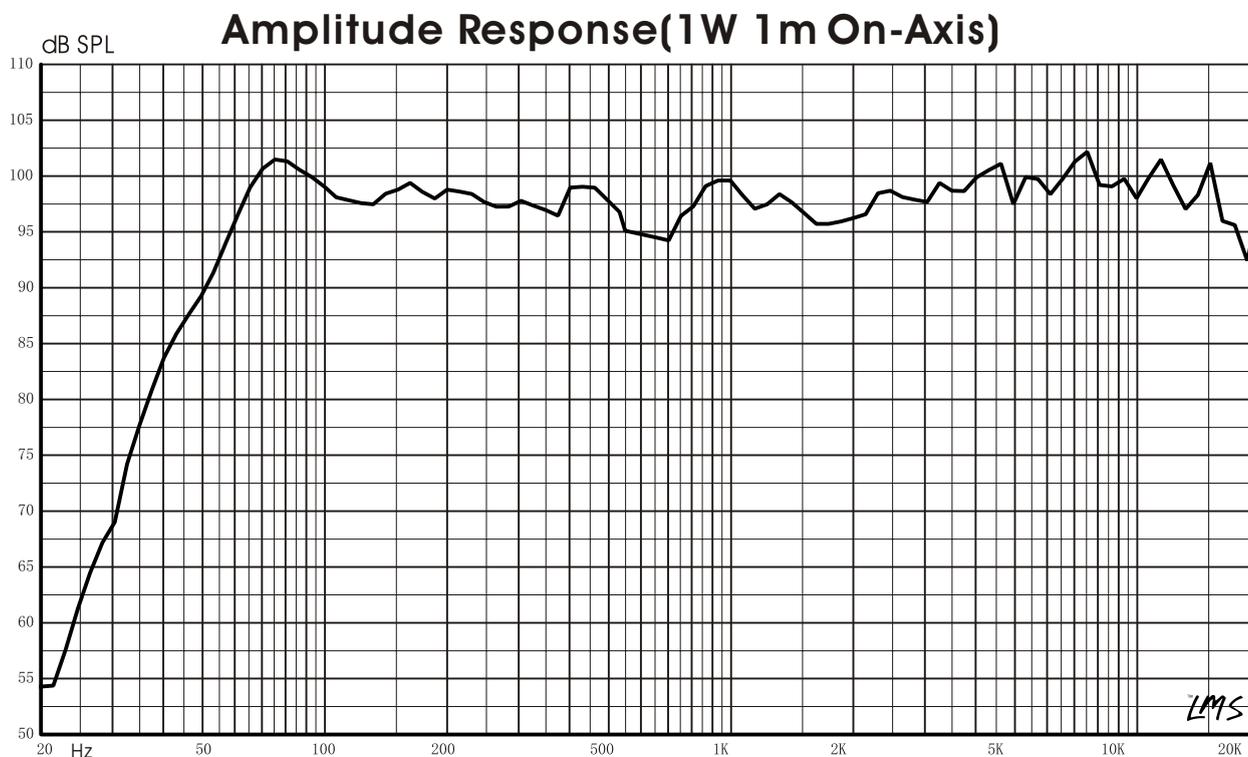


Figure 1



DPE 215

Impedance

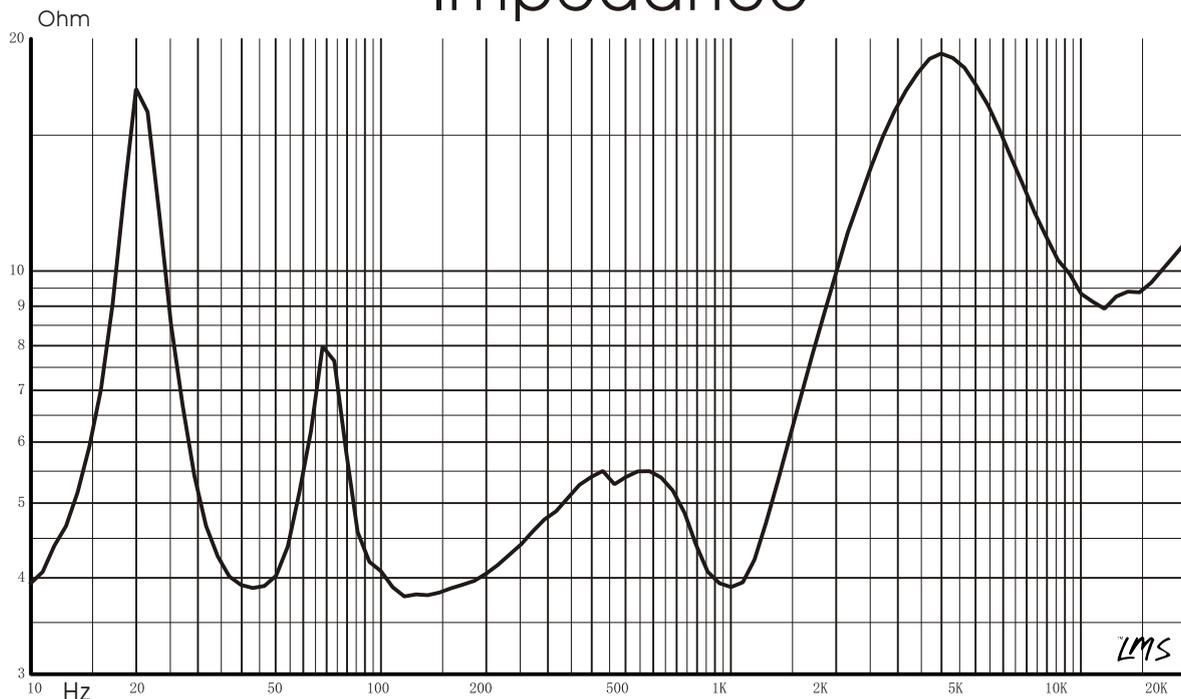


Figure 2

Harmonic Distortion: 1% Rated Power

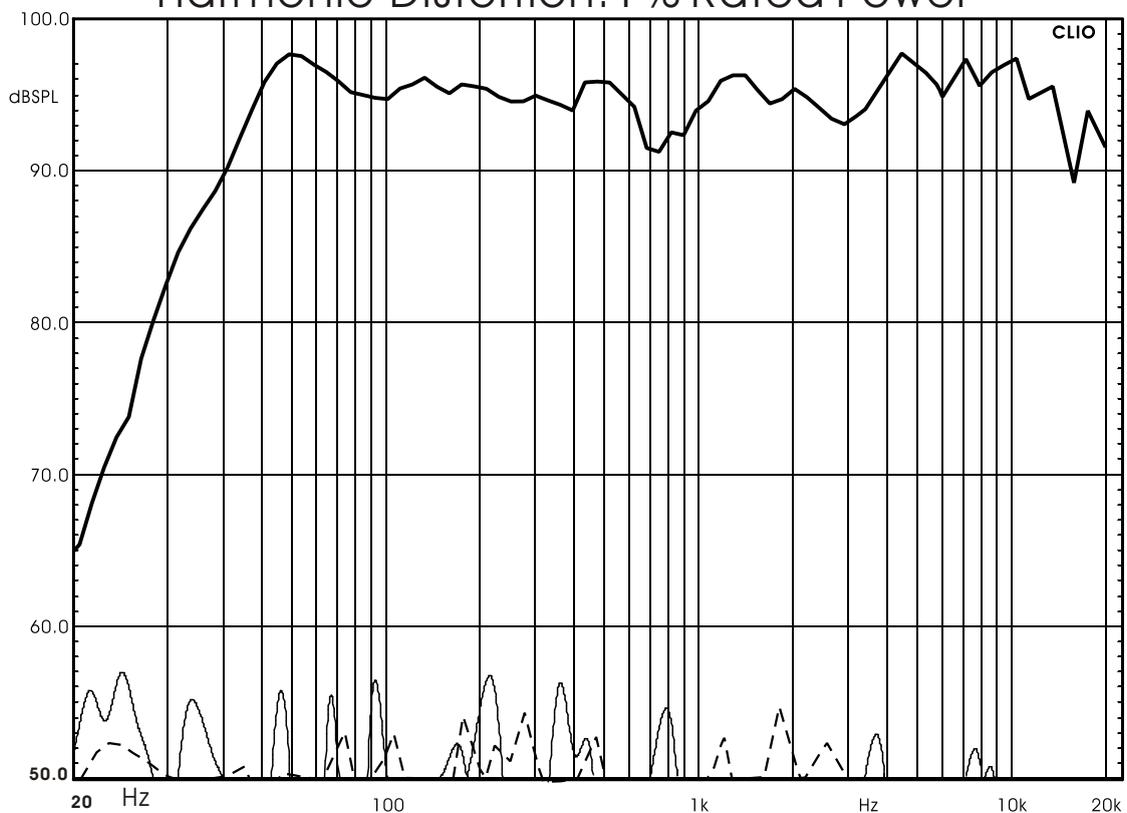


Figure 3

— 2nd Harmonic
- - - 3rd Harmonic



DPE 215



Logo referenced in Directive 2002/96/EC
Annex IV (OJ(L)37/38,13.02.03) 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



Insert current warranty info here

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