

Specifications (See notes 1 and 2)

Loudspeaker Type: 2-way, Full-Range
Operating Range: 100 Hz - 16000 Hz
125 Hz - 12500 Hz (+/-4dB)
Max Input Ratings: 200W continuous, 500W Program
40 volts RMS, 89 volts momentary peak

Recommended Power Amplifier: 400W to 600W @ 8 Ohms

Sensitivity 1W/1m:

96 dB SPL (125 Hz - 12500 Hz 1/3 octave bands)

95 dB SPL (250 Hz - 4 kHz speech range)

Maximum Output: 119 dB SPL / 126 dB SPL (peak)

Nominal Impedance: 8 Ohms

Min Impedance: 5.5 Ohms @ 9.7 kHz

Nominal -6dB Beamwidth:

90° H (+24° / -12°, 3.1 kHz - 12.5 kHz)

40° V (+39° / -3°, 3.1 kHz - 12.5 kHz)

Axial Q / DI: 16.1 / 12.1, 3.1 kHz - 12.5 kHz

Crossover Frequency: 2 kHz

Recommended Signal Processing: 100 Hz high pass filter

Drivers:

LF (1) 8" Cast frame, 2.5" voice coil

HF (1) ¾" Exit compression driver, Ferrofluid-cooled

Driver Protection: Dyna-Tech

Input Connection: NL4 compatible locking connector

Controls: None

Enclosure: Rotomolded HDPE, black color

Enclosure Hardware: None

Mounting / Rigging Provisions:

(6) rigging points (M8 hardware)

1-3/8" pole mount socket

Grille: 16 gauge perforated stainless steel, black powdercoated

Required Accessories: None

Supplied Accessories: None

Optional Accessories: Ultimate Support BMB-200K stand mount
(8 mm screws required)

Dimensions:

Height: 11.3 in. / 287 mm

Width: 11.3 in. / 287 mm

Depth: 13.3 in. / 338 mm

Weight: 17.75 lbs. / 8 kg

Shipping Weight: 19.6 lbs. / 8.9 kg



APPLICATIONS:

- Outdoor Background Music / Paging Systems
- Theme and Amusement Parks
- Fairgrounds and Rodeos
- Air Shows
- Parade Routes
- Portable Sound Systems

FEATURES:

- High Fidelity
- All Horn-Loaded
- Roto-Molded, UV Resistant Enclosure
- High Efficiency
- Integral Mounting Points
- High Power Passive Crossover
- Standard 1-3/8" pole mount socket

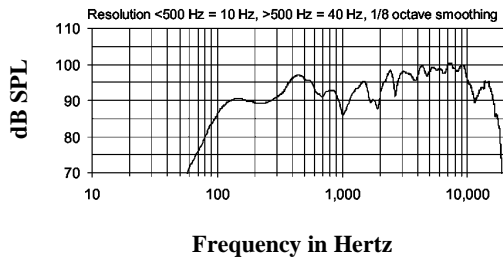
DESCRIPTION:

The R.25PA is a 2-way, full-range loudspeaker system designed to provide high quality voice and music reproduction in a variety of applications. The R.25PA has an 8-inch (203mm) cone LF driver and a ¾-inch (20 mm) exit HF compression driver with a weather resistant diaphragm. The HF driver is coupled to a nominal 90° x 40° horn. The HF assembly is coaxially mounted with the LF driver. The R.25PA is ideal for small gatherings and public address systems.

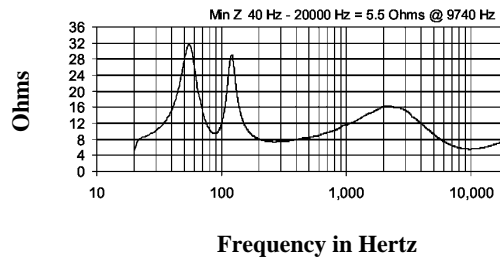
1. Sensitivity: Free field pink noise measurement at 20 ft / 6.1 m at 65% power; extrapolated to 1 meter and an input of 2.83 volts RMS.

2. Watts: All wattage figures are calculated using the rated nominal impedance.

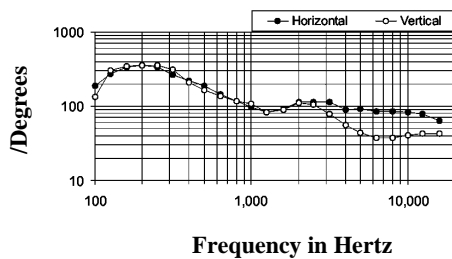
Frequency Response



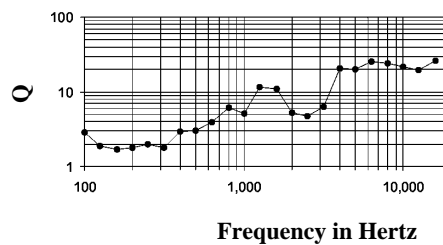
Impedance



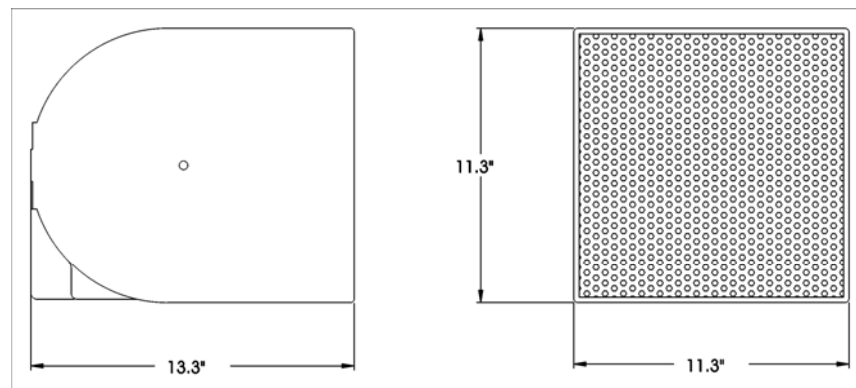
Beamwidth



Axial Q



Dimensions



Architects' and Engineers' Specifications

The loudspeaker system shall be a two-way, full-range bass reflex design with a single cast 8" and one 3/4" exit HF driver coaxially mounted on a 90° x 40° horn. Drivers shall be connected to an integral crossover with a crossover frequency of 2 kHz and integral over-current protection circuitry. The cabinet shall be a roto-molded polyethylene enclosure. The input connection shall be one compatible NL4 locking connector. The enclosure shall incorporate six M8 rigging points for multiple mounting options. The system shall have an amplitude response of 125 Hz - 12,500 Hz (+/- 4 dB), input capability of 40 V RMS, 96 dB Sensitivity at one meter and 2.83 V, 8 Ohm nominal impedance. The nominal dispersion shall be 90° H x 40° V from 2 kHz to 12.5 kHz. The dimensions of the enclosure are defined as 11.3" x 11.3" x 13.3" (HWD) at a weight of 17.75 lbs.