

Specifications (See notes 1 and 2)

Loudspeaker Type: 2-way, Full-Range, Weather-Resistant
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
 70V Input taps @ 120W, 60W, 30W, 15W
 100V Input taps @ 120W, 60W, 30W

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: 16-2 SJOW (12 ft / 4 m)

Controls: None

Enclosure: Rotomolded HDPE, light gray color

Enclosure Hardware: None

Mounting / Rigging Provisions:

(5) rigging points (M8 Hardware)
 1-3/8" pole mount socket

Grille: 16 gauge perforated stainless steel, Weather-Stop™ Grille

Required Accessories: None

Supplied Accessories: (1) Stainless Steel Yoke

Optional Accessories: None

Dimensions:

Height: 11.3 in. / 287 mm
Width: 11.3 in. / 287 mm
Depth: 13.3 in. / 338 mm
Weight: 20 lbs. / 9.1 kg (R.25-94X)
 23 lbs. / 10.4 kg (R.25-94TX)



APPLICATIONS:

- Convention Centers
- Fill Speaker for Stadia, Athletic Fields, Arenas and Race Tracks
- Outdoor Background Music / Paging Systems
- Theme and Amusement Parks
- Fairgrounds and Rodeos
- Malls, Cruise Ships, Skating Rinks
- Swimming Pools, Convention Centers

FEATURES:

- High Fidelity
- All Horn-Loaded
- 120W, 70V Transformer Version Available
- Roto-Molded, UV Resistant Enclosure
- High Efficiency
- Integral Mounting Points
- High Power Passive Crossover

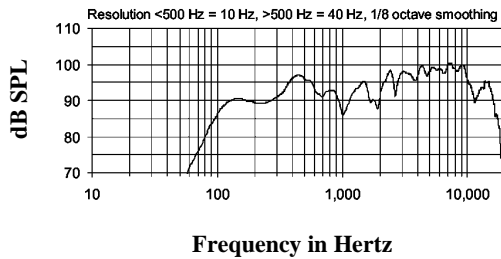
DESCRIPTION:

The R.25 is a 2-way, full-range loudspeaker system designed to provide high quality voice and music reproduction in applications requiring extreme weather resistance. It is designed to withstand long-term exposure to tough, environmental conditions and to provide performance normally associated only with indoor loudspeakers.

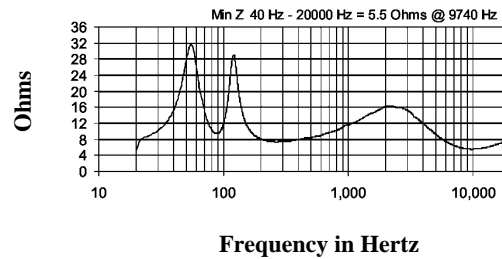
The R.25 has an 8-inch (203mm) cone LF driver and a ¾-inch (20 mm) exit HF compression driver with a weather resistant diaphragm. The HF driver is coupled to a nominal 90° x 40° horn. The HF assembly is coaxially mounted with the LF driver. The enclosure and HF horn are molded of UV resistant gray polyethylene. All exposed hardware is stainless steel. The Weather-Stop™ grille assembly, retained by stainless steel screws to the front of the enclosure, consists of three layers.

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.

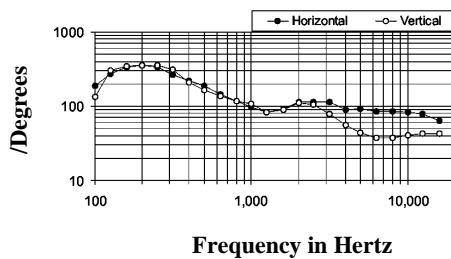
Frequency Response



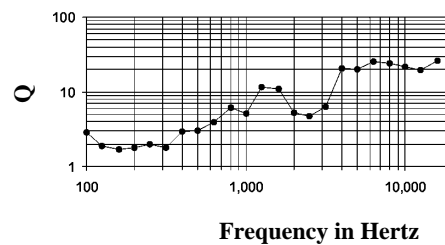
Impedance



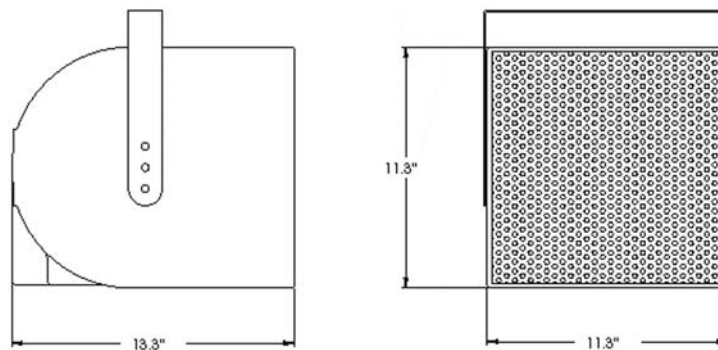
Beamwidth



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 providing weather and UV resistance with a three-layer weather resistant grille. The input connection shall be one 12' (4m) SJOW #16-gauge cable with stripped ends. The enclosure shall incorporate five M8 rigging points for multiple mounting options. In addition, the loudspeaker will be supplied with one stainless steel yoke bracket. 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 20 lbs. (23 lbs for the 70V version).