

SPECIFICATIONS

Loudspeaker Type:	2-way, horn loaded, coaxial, weather-resistant
Operating Range:	100 Hz to 16 kHz 160 Hz to 12.5 kHz (±3 dB)
Max Input Ratings:	200W continuous, 500W program 40 volts RMS, 89 volts momentary peak
Recommended Power Amplifier:	420W to 600W @ 8 ohms
Sensitivity (1W/1m):	97 dB SPL (160 Hz to 10 kHz 1/3 octave bands) 97 dB SPL (250 Hz to 4 kHz speech range)
Maximum Output:	120 dB SPL / 127 dB SPL (peak)
Nominal Impedance:	8 ohms
Minimum Impedance:	4.6 ohms @ 10.4 kHz
Nominal -6dB Beamwidth:	90°H (+7° / -13°, 2 kHz to 10 kHz) 40°V (+35° / -10°, 2 kHz to 10 kHz)
Axial Q / DI:	13.5 / 11.3, 2 kHz to 10 kHz
Crossover Frequency:	2 kHz
Recommended Signal Processing:	100 Hz high pass filter
Drivers:	LF (1) 8" cast frame, Cool-Coil™ HF (1) 3/4" exit, titanium free, Ferrofluid-cooled
Driver Protection:	DYNA-TECH protection circuitry
Input Connection:	16-2 SJOW (12 ft / 4 m)
Controls:	None
Enclosure:	Rotomolded LLDPE, light grey
Enclosure Hardware:	None
Mounting/Rigging Provisions:	(5) rigging points (M8 hardware) 1-3/8" pole mount socket
Grille:	3-layer WeatherStop™, light grey (Zinc-rich epoxy dual-layer powder coated perforated steel grille, foam, woven poly mesh)
Environmental Performance:	IEC529 IP55W rating with a minimum 5-degree downward aiming angle
Required Accessories:	24 dB/Oct high pass filter
Supplied Accessories:	(1) Yoke bracket, light grey
Optional Accessories:	PMB Series pole mount brackets
Dimensions—Height:	11.3 inches / 287 mm
Width:	11.3 inches / 287 mm
Depth:	13.3 inches / 338 mm
Weight:	20 lbs / 9.1 kg
Shipping Weight:	26.2 lbs / 11.9 kg

NOTES:

1. Sensitivity: Free field pink noise measurement at 20 ft (6.1 m) at 60% 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.



Shown: R.25-94Z in standard light grey

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

FEATURES

- Weather-resistant, rotomolded UV enclosure
- Weather-treated drivers and crossovers
- Corrosion-resistant zinc-rich epoxy dual-layer powder coated steel grille and yoke
- High fidelity, all horn loaded
- High efficiency
- Integral mounting points
- High power passive crossover
- Optional 200W, 70V autoformer version available (model R.25-94TZ)
- Optional black and white versions (model R.25-94BZ and R.25-94WZ)
- Five-year product warranty / Fifteen-year enclosure warranty

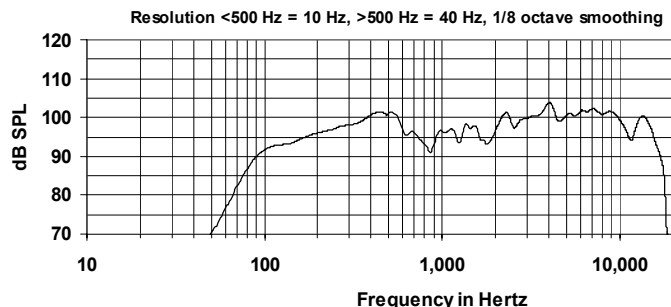
DESCRIPTION

The R.25-94Z 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.25-94Z has an 8-inch (203mm) cone LF driver and a 3/4-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.

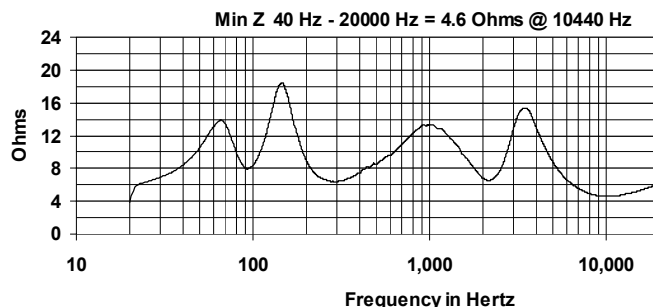
R.25-94Z OPTIONS

"T" suffix	Auto-transformer version with integral 200W autoformer for 70V/100V applications
"B" suffix	Black version with black enclosure, black powder coated grille and black yoke
"W" suffix	White version with white enclosure, white powder coated grille and white yoke

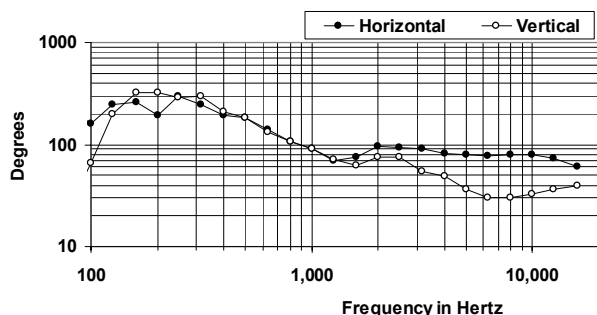
FREQUENCY RESPONSE



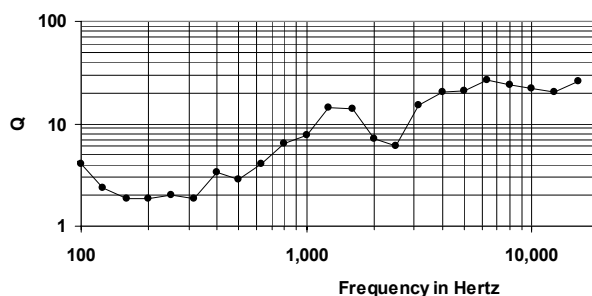
IMPEDANCE



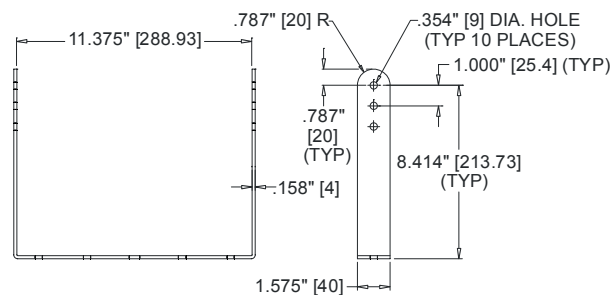
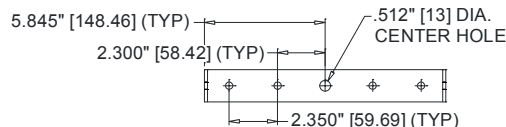
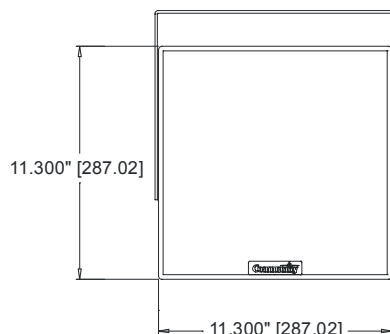
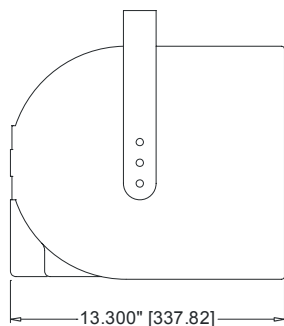
BEAMWIDTH



AXIAL Q



DIMENSIONS



R.25 YOKE

ARCHITECTURAL 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 with driver protection using DYNA-TECH active protection circuitry. The cabinet shall be a rotomolded low linear density polyethylene enclosure providing weather and UV resistance with a three-layer weather resistant grille. The steel grille shall be powder coated with a proprietary zinc-rich epoxy dual-layer powder coating process in light grey to color match the enclosure. The system shall have an IEC529 IP rating of IP55W with a minimum 5-degree downward aiming angle. 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 zinc-rich epoxy dual-layer powder coated steel yoke bracket. The system shall have an amplitude response of 160 Hz - 12.5 kHz (+/- 3 dB), input capability of 40 V RMS, 97 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 10 kHz. The dimensions of the enclosure are defined as 11.3" x 11.3" x 13.3" (HWD) at a weight of 20 lbs.

Community strives to improve its products on a continual basis. Specifications are therefore subject to change without notice.