

## SPECIFICATIONS

<b>Loudspeaker Type:</b>	3-way, horn loaded coaxial, weather-resistant
<b>Operating Range:</b>	90 Hz to 16 kHz 125 Hz to 12500 Hz (± 6 dB)
<b>Max Input Ratings:</b>	200W, 70/100V
<b>Recommended Power Amplifier:</b>	25W to 200W @ 70 Volts 50W to 200W @ 100 Volts
<b>Sensitivity (1W/1m):</b>	105 dB SPL (125 Hz to 10 kHz 1/3 octave bands) 106 dB SPL (250 Hz to 4 kHz speech range)
<b>Maximum Output on 200W Tap:</b>	128 dB SPL
<b>200W Nominal Impedance:</b>	25 ohms
<b>200W Minimum Impedance:</b>	12.1 ohms @ 11 kHz
<b>Nominal -6dB Beamwidth:</b>	60° H (+32° / -17°, 2 kHz to 10 kHz) 40° V (+33° / -1°, 2 kHz to 10 kHz)
<b>Axial Q / DI:</b>	20.5 / 13.1, 2 kHz to 12.5 kHz
<b>Crossover Frequency:</b>	600 Hz / 4 kHz
<b>Recommended Signal Processing:</b>	70 Hz high pass filter
<b>Drivers:</b>	LF (1) 12" weather treated, Ferrofluid-cooled MF (1) M200, Ferrofluid-cooled HF (1) 1" exit, titanium free, Ferrofluid-cooled
<b>Driver Protection:</b>	None
<b>Input Connection:</b>	12 foot (4 m) UV-resistant #18 gauge multi-conductor cable
<b>Controls:</b>	None
<b>Enclosure:</b>	Rotomolded LLDPE, light grey
<b>Mounting/Rigging Provisions:</b>	(5) 3/8-16 rigging points
<b>Grille:</b>	3-layer WeatherStop™, light grey (Zinc-rich epoxy dual-layer powder coated perforated steel grille, foam, woven poly mesh)
<b>Environmental Performance:</b>	IEC529 IP55W rating with a minimum 5-degree downward aiming angle
<b>Required Accessories:</b>	None
<b>Supplied Accessories:</b>	(1) Yoke bracket, light grey (1) Aiming strap
<b>Optional Accessories:</b>	PMB Series pole mount brackets
<b>Dimensions—Height:</b>	16 inches (406.4 mm)
<b>Width:</b>	16 inches (406.4 mm)
<b>Depth:</b>	16.187 inches (411.15 mm)
<b>Weight:</b>	45.5 lbs (20.6 kg)
<b>Shipping Weight:</b>	52 lbs (23.6 kg)

### NOTES:

1. Sensitivity: Free field pink noise measurement at 40 ft (12.2 m) at 60% power; extrapolated to 1 meter and an input of 2.45 volts RMS.
2. Watts: All wattage figures are calculated using the rated nominal impedance.



Dover International Speedway, Dover, Delaware, USA

## APPLICATIONS

- Racetrack catch fence systems

## FEATURES

- High frequency driver mounted 20 degrees vertically
- Weather-resistant, rotomolded UV enclosure
- Weather-treated drivers and crossovers
- Corrosion-resistant zinc-rich epoxy dual-layer powder coated steel grille and yoke
- Pattern control down to 630 Hz
- High efficiency
- High power passive crossover
- Included yoke mounting bracket
- Five-year product warranty / Fifteen-year enclosure warranty

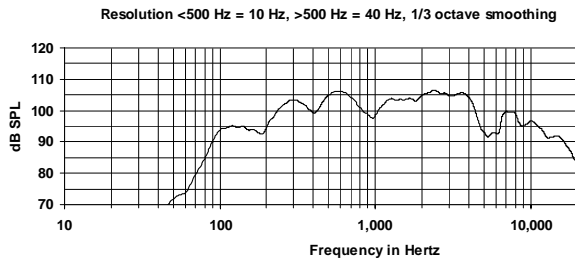
## DESCRIPTION

The R.5HPT-R is a custom version of Community's popular R.5HP loudspeaker, with the high frequency driver mounted 20° vertically. It was specially designed for racetrack catch fence systems. A uniquely shaped grille accommodates the high frequency driver's position.

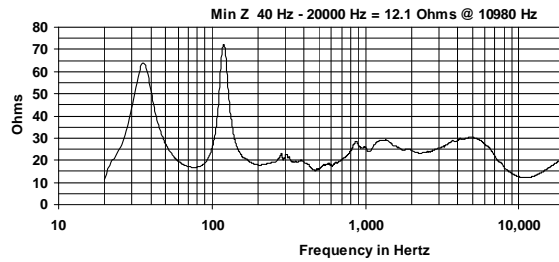
The R.5HPT-R is a three-way horn loaded weather-resistant loudspeaker system engineered to provide maximum intelligibility from a compact design. By packaging Community's well-known M200 midrange driver coaxially within the mouth of the 12" LF horn, an extremely powerful tool for voice announcement systems was created. High frequencies are handled by Community's non-metallic diaphragm UC1 1" exit HF driver. An input autoformer with switchable taps provides impedance matching to 70V or 100V lines. The M200/UC1 creates effortless voice-power with HF sparkle that must be heard to be appreciated. No longer do audiences need to experience the unpleasant sound of "honky" re-entrant paging horns. The R.5HPT-R can act as both a musical entertainment loudspeaker and a voice PA loudspeaker simultaneously.

The custom R.5HPT-R was originally designed for Dover International Speedway where over 100 units are installed.

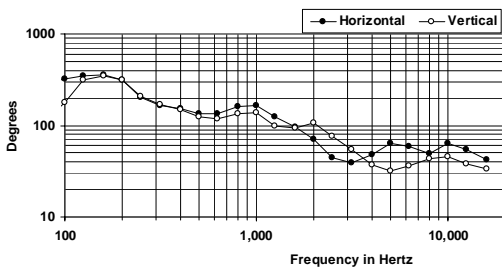
## FREQUENCY RESPONSE



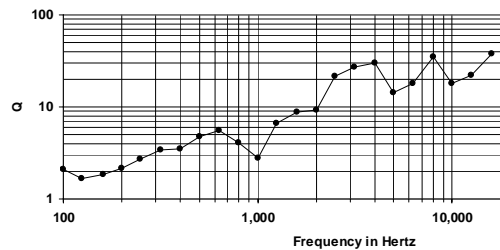
## 200W IMPEDANCE



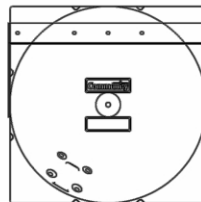
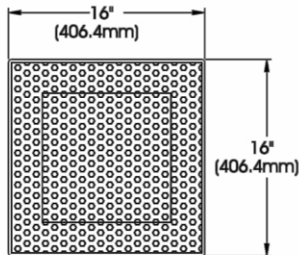
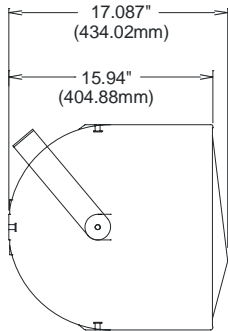
## BEAMWIDTH



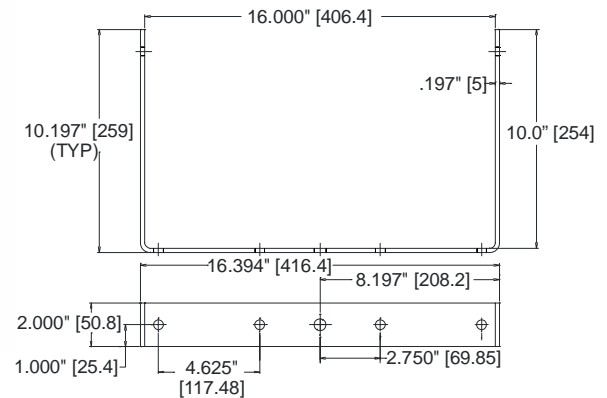
## AXIAL Q



## DIMENSIONS



## R.5 YOKE



## ARCHITECTURAL SPECIFICATIONS

The loudspeaker system shall be a horn-loaded, three-way, coaxial design consisting of one 12" Ferrofluid-cooled driver, one M200 Ferrofluid-cooled compression driver, and one 1" exit compression driver mounted on a horn inside the cabinet. The drivers shall be connected to a passive crossover network with crossover frequencies at 600 Hz and 4 kHz respectively. The cabinet shall be a roto-molded 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) UV-resistant #18 gauge multi-conductor cable with stripped ends. The enclosure shall incorporate five 3/8-16 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 and one multi-tap autoformer for 70V and 100V inputs. The loudspeaker system shall have an amplitude response of 125 Hz-12.5 kHz (+/- 6 dB SPL), an input capacity of 200W (70V/100V), 106 dB SPL sensitivity @ 2.45V / 1 meter between 250Hz - 4kHz at a nominal 6 ohm impedance. The nominal dispersion shall be 60° x 40° over a frequency range of 2 kHz to 10 kHz. The dimensions of the enclosure are defined as 16" x 16" x 16" (HWD) at a weight of 45.5 lbs.

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