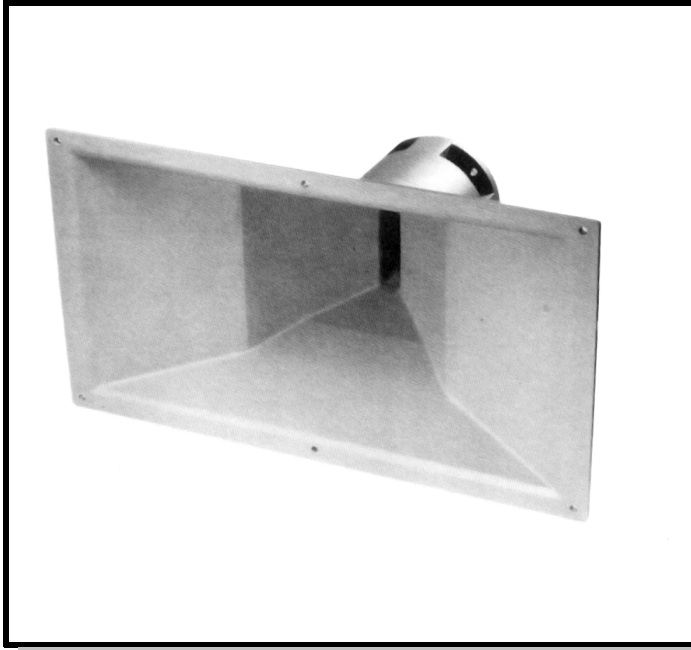




GREAT PLAINS AUDIO

# MODEL MR11594A

## CONSTANT-DIRECTIVITY HORN



The *Great Plains Audio Model MR11594A* is a 90° x 40° mid/high-frequency horn with efficient loading down to 500 Hz, and having excellent directivity control over the full-frequency range to 16,000 Hz.

The geometry of the *MR11594A* minimizes the problem of high-frequency beaming and maintains uniform dispersion at all frequencies within its rated frequency bandpass. This means that listeners sitting off-axis of the horn will hear the same sound as those sitting on-axis. Dispersion characteristics are nearly identical at all frequencies from 2 kHz to 16 kHz, and frequency response tests show similar uniformity both on-axis and off-axis.

Designed for us in live-sound systems of

the highest quality, the *MR11594A* is perfectly suited for use in churches, auditoriums, performing arts centers, stadiums, and other venues.

When used in conjunction with any of our large-format High-Frequency Compression Driver, such as our models 288, 299, and 290-series units, it is an excellent choice where wide uniform dispersion and uncolored sound reproduction are required, even at high sound pressure levels.

Construction is of heavy-duty, weather-resistant General Electric Noryl™. This construction technique results in a horn design that is surprisingly lightweight, yet extremely rugged and non-resonant.

### PERFORMANCE SPECIFICATIONS -

#### Nominal

*Dispersion Angle:* 90° x 40°

#### Mean Horizontal

*Dispersion Angle:* 90° (+10°, -13°), 2 kHz to 16 kHz

*Standard Deviation:* 7°

#### Mean Vertical

*Dispersion Angle:* 40° (+8°, -6°), 2 kHz to 16 kHz

*Standard Deviation:* 5°

#### Lowest Recommended

*Crossover Frequency:* 500 Hz

#### Throat Size:

1.4" diameter

#### Pressure Sensitivity:

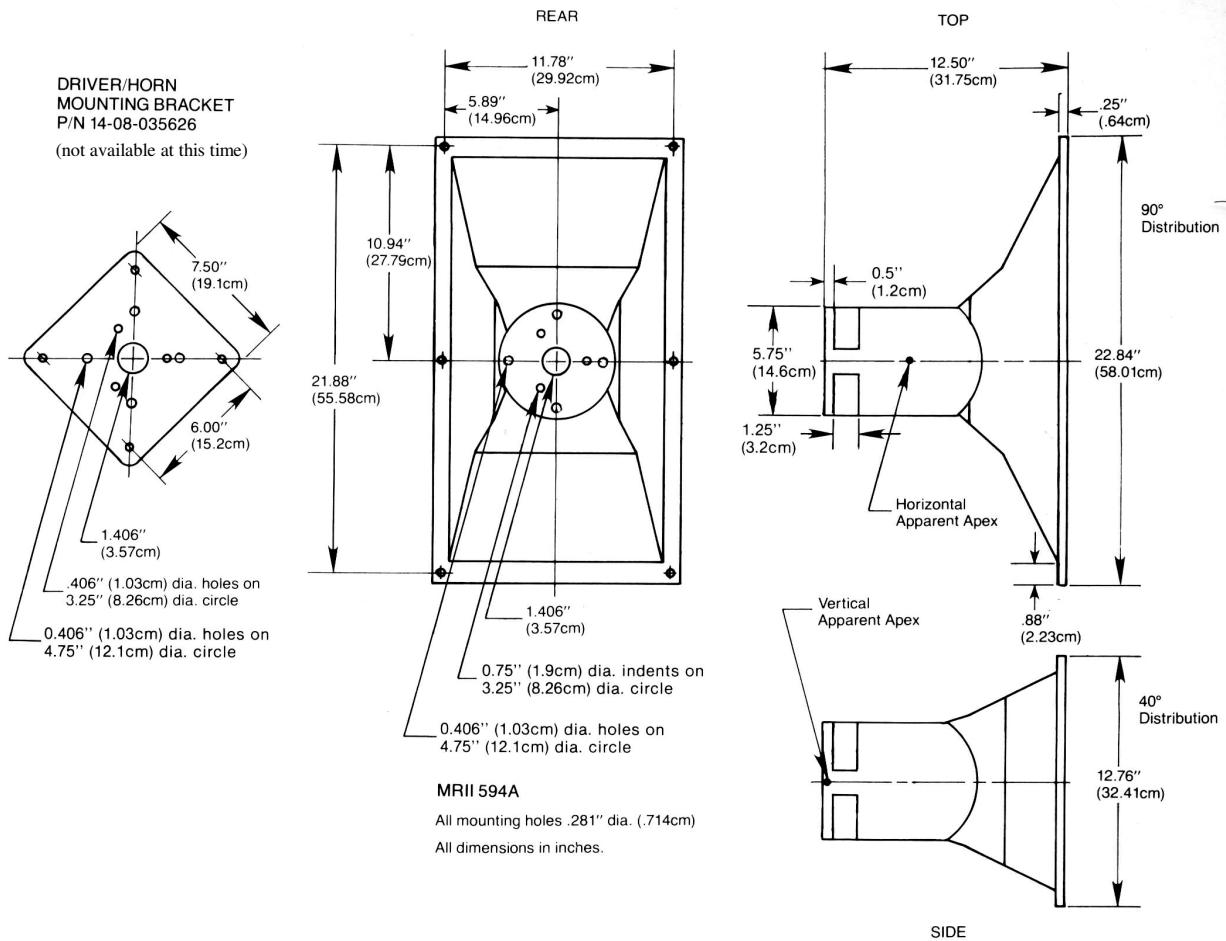
108 dB SPL - measured on-axis at 4-feet from horn mouth with one watt of band-limited pink noise using a *GPA Model 288-8A High-Frequency Compression Driver*.

#### Weight:

4.5 pounds (2.1 kg)

# MRII594A CONSTANT-DIRECTIVITY HORN

## DIMENSIONS -



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