



- Radial horns—with direct expansion of the wave front
- Eliminates cellular horn finger pattern distribution
- Controlled wide angle high frequency
- Radial low frequency horn designed to match high frequency horn
- Cross over at frequency to give smoothest response
- Matched distribution pattern between low and high frequency horn design
- Excellent power-handling ability
- Heavy duty, rugged construction



## Auditorium Loudspeaker System, Type PL-301A

### Description

Precision engineered for modern professional theatre use this speaker system has application wherever unusually good, smooth and controlled vertical and horizontal dispersion are required. Excellent directional characteristics, low distortion, and large power handling capacity makes it ideal for a high power quality speaker which must cover a wide area.

This auditorium loudspeaker system embodies the finest in engineering, material, and workmanship. As a result of new engineering development in both high and low frequency reproduction, the system provides a smooth response throughout the frequency range and distribution angle. This gives a matched distribution pattern between the low and high frequency horns, with the high frequency unit having controlled distribution, avoiding the finger like distribution of cellular type horns. The cross over frequency has been made to give the smoothest response. The units are matched, precision built yet rugged and relatively light in weight.

### Specifications

Power Rating.....	80 watts program material
Frequency Response.....	40-8500 cps
Horizontal Sound Pattern.....	90° with extra 60° high elevation coverage
Vertical Sound Pattern .....	45°
Dimensions:	
Height .....	60"
Depth .....	43"
Width .....	84"
Weight .....	455 pounds

### System Components

MI Number	Description	Quantity
9449-C	L.F. Speaker Mechanism .....	2
9472-B	Speaker Transformer 80W .....	2
9462	L.F. Horn (2-unit) .....	1
9584-B	H.F. Speaker Mechanism .....	2
9592	H.F. Throat (2-unit) .....	1
9593	H.F. Horn Adapter .....	1
9594	H.F. Horn (60°) .....	1
9595	H.F. Horn (90°) .....	1
9596	H.F. Horn Mounting .....	1
9597-A	Crossover 250 ohms, 400 cycles .....	1

### ORDERING INFORMATION

Type PL-301A Auditorium Loudspeaker System.....ES-38353-A

