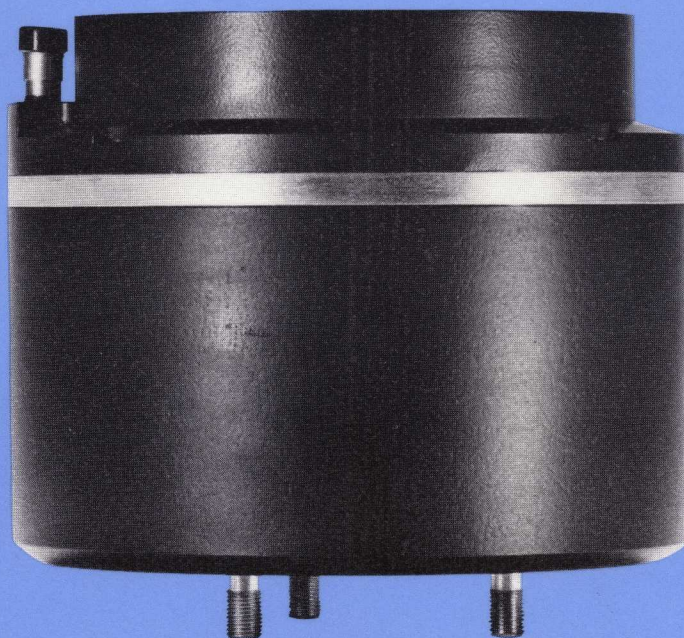


## 288-8G/288-16G COMPRESSION DRIVER LOUDSPEAKERS



### DESCRIPTION

For many years, Altec 288 drivers have been acknowledged as the finest compression drivers available for full-range sound reproduction in motion picture theatres. The 288-8G and 288-16G drivers may be used with Altec multicellular or sectoral horns and will provide a smooth response from 500-15,000 Hz. This wide range, when the driver loudspeaker is used in conjunction with Altec low-frequency speakers, will provide full high-fidelity reproduction for the largest theatre or auditorium. The 288-8G and 288-16G require less wattage from the driving amplifier due to the low mass of the diaphragm/voice coil assembly and the increased size of the magnet structure. This results in response improvements above 10 kHz and 2 dB greater

pressure sensitivity than provided by earlier 288 models. The 288-8G provides a minimum impedance of 8 ohms; the 288-16G, 16 ohms.

The diaphragm/voice coil assembly of the 288-8G and 288-16G can be replaced in the field by untrained personnel without the use of special tools. Adjustable dowel pins allow each voice coil to be precisely centered in the voice coil gap, which has a flux density of 20,500 gauss derived from a 6.49-pound Alnico V magnet.

The high efficiency and smooth reproduction characteristics to the upper limits of human hearing make these drivers an obvious choice for large sound systems where quality and full-range, faithful reproduction are a requisite.

## SPECIFICATIONS

<b>Power Rating:</b>	15 watts of band-limited pink noise (500-20,000 Hz) when mounted on Altec 300 or 500 Hz horn	<b>Construction—</b>	
<b>Frequency Response:</b>	500-15,000 Hz	<b>Magnet:</b>	6.49-pound Alnico V, 20,500 gauss flux density
<b>Pressure Sensitivity:</b>	109 dB SPL measured at 4' from mouth of Altec 311-90 horn with 1 watt input of band-limited pink noise from 500-3000 Hz (Ref.: 0 dB = 0.0002 dyne/cm <sup>2</sup> ). See appropriate Altec horn catalog sheets for specific pressure sensitivity when driver is combined with other horns.	<b>Magnetic Structure</b>	
<b>Minimum Impedance:</b>	8 ohms (288-8G) 16 ohms (288-16G)	<b>Weight:</b>	28 pounds
		<b>Diaphragm:</b>	Aluminum with tangential suspension
		<b>Voice Coil:</b>	2.8" diameter of edge-wound aluminum ribbon
		<b>Dimensions:</b>	7.1" (17.9 cm) diameter 5.8" (14.8 cm) depth, less mounting studs
		<b>Weight:</b>	29.3 pounds (13.3 kg)
		<b>Finish:</b>	Gray "Hammertone" enamel
		<b>Mounting Data:</b>	Three 3/8"-24 x 1" studs, 120° apart on 3.25" centers

## ARCHITECT'S AND ENGINEER'S SPECIFICATIONS

The compression driver loudspeaker shall meet the following performance criteria. Power rating, 15 watts of band-limited pink noise (500-20,000 Hz). Frequency response, uniform from 500 to 15,000 Hz. Pressure sensitivity, 109 dB SPL when measured at 4' on axis from mouth of Altec 311-90 horn with 1 watt input of band-limited pink noise from 500-3000 Hz (Ref.: 0 dB = 0.0002 dyne/cm<sup>2</sup>). Minimum impedance, \_\_\_\_\_ ohms. The voice coil shall be 2.8" in diameter, of edge-wound aluminum ribbon, and shall operate in a magnetic gap having a flux density of 20,500 gauss derived from a 6.49-pound Alnico V magnet. The diaphragm shall be of aluminum and shall have tangential suspension. A machined phasing plug with 3 exponential acoustic slots shall serve as the pole piece and shall also be utilized to provide the proper phase relationship between the sound emanating from the center and edges of the diaphragm and voice coil assembly. The entire diaphragm and voice coil assembly shall be field replaceable without requiring special tools or skills; adjustable dowel pins shall allow each voice coil to be precisely centered in the voice coil gap. The driver shall be 7.1" in diameter by 5.8" deep (excluding 1" depth of mounting studs), and shall weigh 29.3 pounds.

The compression driver loudspeaker with 8-ohm impedance shall be the Altec Model 288-8G.

The compression driver loudspeaker with 16-ohm impedance shall be the Altec Model 288-16G.