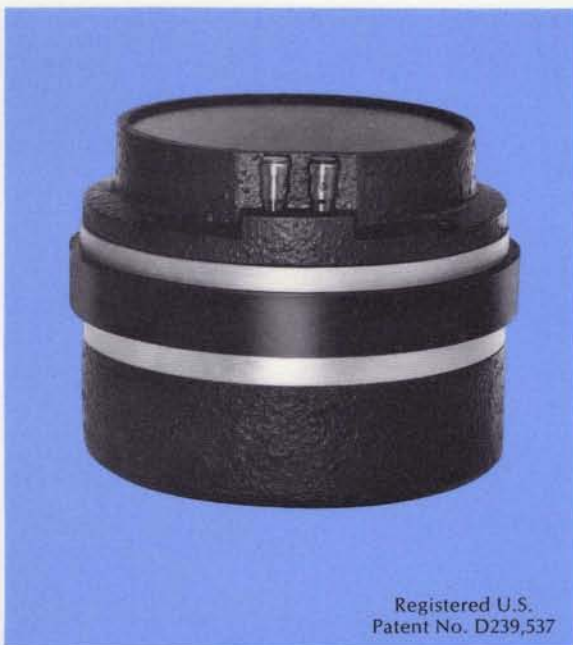




# 288-8K/288-16K/288-32K COMPRESSION DRIVER LOUDSPEAKERS



Registered U.S.  
Patent No. D239,537

## DESCRIPTION

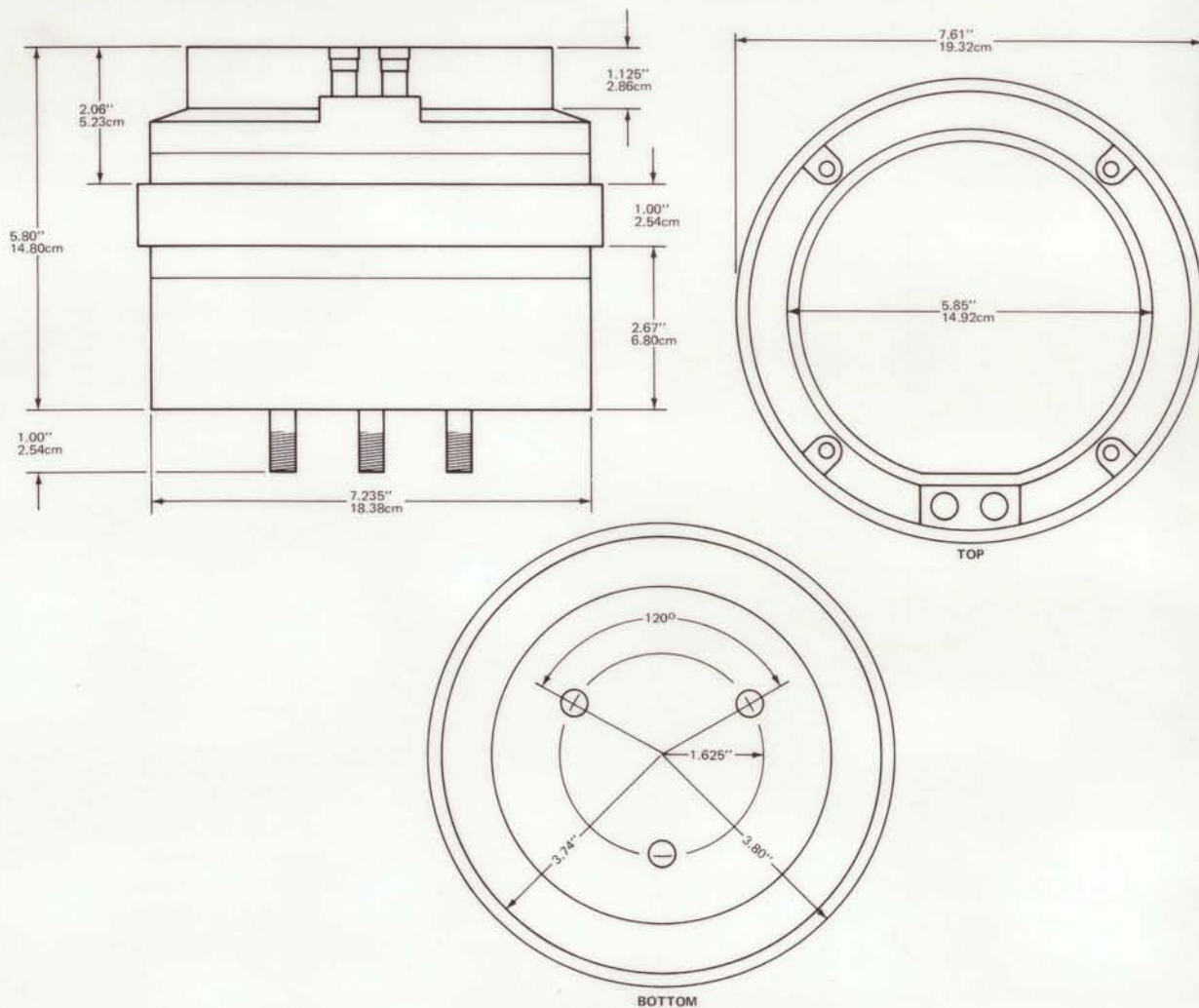
For many years, Altec 288 drivers have been acknowledged as the finest compression drivers available for full-range sound reproduction in motion picture theatres. The 288-8K, 288-16K and 288-32K drivers may be used with Altec Mantaray, multicellular or sectoral horns and will provide a smooth response 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 288-8K, 288-16K and 288-32K 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 288-8K provides a minimum impedance of 8 ohms; the 288-16K, 16 ohms; the 288-32K, 32 ohms.

The diaphragm/voice coil assembly of the 288-8K, 288-16K and 288-32K 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 6.87-pound Ferrite 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 Capacity:</b>	15 watts continuous pink noise (Above measurement made on Altec 300 or 500 Hz horn, with signal band-limited from 500-20,000 Hz)
<b>Frequency Response:</b>	500-15,000 Hz
<b>Pressure Sensitivity:</b>	109 ±1 db SPL measured at 4' from mouth of Altec 311-90 horn with 1 watt input of pink noise, band-limited from 500-3000 Hz
<b>Minimum Impedance:</b>	8 ohms (288-8K) 16 ohms (288-16K) 32 ohms (288-32K)
<b>Construction — Magnet:</b>	6.87-pound Ferrite V 20,500 gauss flux density
<b>Magnetic Structure Weight:</b>	29.5 pounds
<b>Diaphragm:</b>	Aluminum, with tangential suspension
<b>Voice Coil:</b>	2.8" diameter of edge-wound aluminum ribbon
<b>Dimensions:</b>	7.61" (19.32 cm) diameter 5.8" (14.8 cm) depth, less mounting studs
<b>Weight:</b>	30.5 pounds (13.83 kg)
<b>Finish:</b>	Gray "Hammer-tone" textured enamel
<b>Mounting Data:</b>	Three 3/8"-24 x 1" studs, 120° apart on 3.25" centers



ROW 1 (1 : 3)



ROW 2 (4 : 4)



#### ARCHITECT'S AND ENGINEER'S SPECIFICATIONS

The compression driver loudspeaker shall meet the following criteria. Power capacity: 15 watts continuous pink noise, band-limited from 500-20,000 Hz and measured with Altec 300 or 500 Hz horn. Frequency response, uniform from 500 to 15,000 Hz. Pressure sensitivity: 109 ±1 dB SPL when measured at 4' on axis from mouth of Altec 311-90 horn with 1 watt input of pink noise, band-limited from 500-3000 Hz. 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 6.87-pound Ferrite V magnet. The diaphragm shall be of aluminum and shall have tangential suspension. A Tangerine® phasing plug with 13 radial 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 7.61" in diameter by 5.8" deep (excluding 1" depth of mounting studs), and shall weigh 30.5 pounds.

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

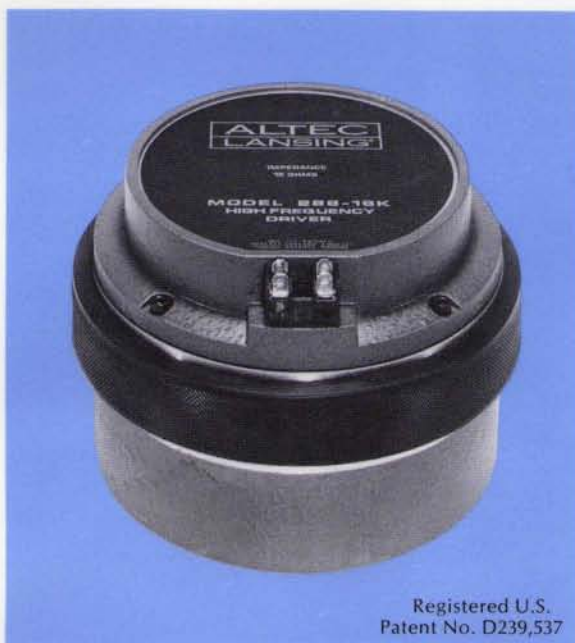
The compression driver loudspeaker with 16-ohm impedance shall be the Altec Model 288-16K.

**ALTEC  
LANSING**

1250 NORTH RED GUM STREET, ANAHEIM, CALIFORNIA 92806  
ALTEC CORPORATION

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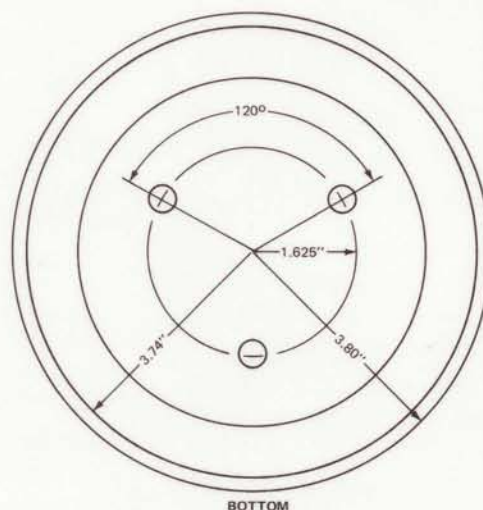
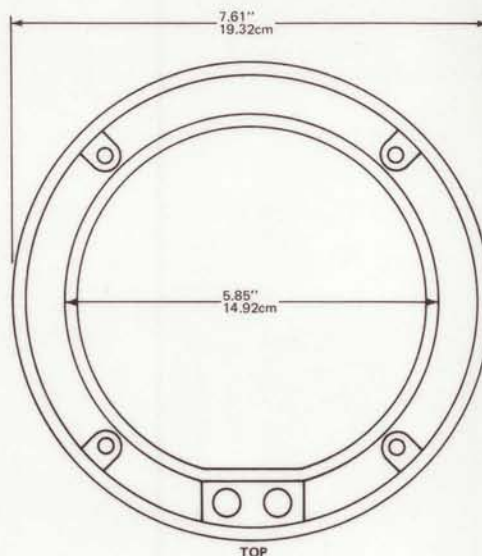
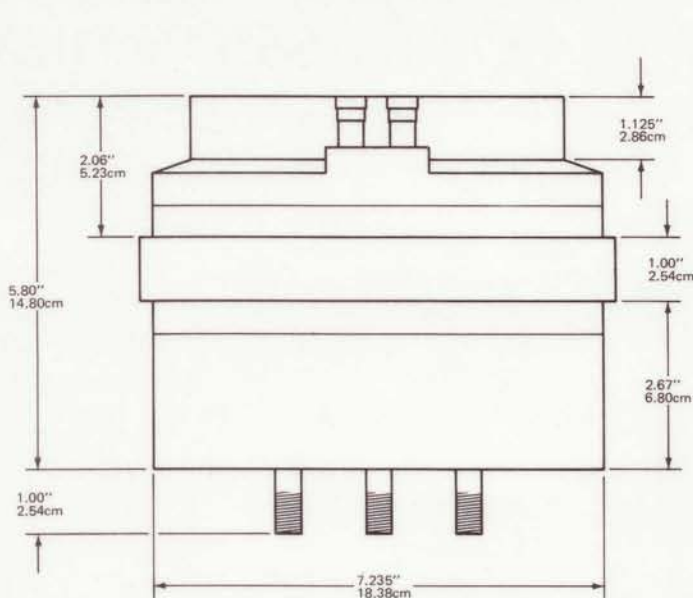
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The compression driver loudspeaker with 8-ohm impedance shall be the Altec Model 288-8K.

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

The compression driver loudspeaker with 32-ohm impedance shall be the Altec Model 288-32K.



1515 SOUTH MANCHESTER AVENUE, ANAHEIM, CALIFORNIA 92803  
ALTEC CORPORATION