



288-8L/288-16L COMPRESSION DRIVER LOUDSPEAKERS



DESCRIPTION

Altec Lansing 288 compression drivers are acknowledged as the finest compression drivers available for full range sound reproduction in reinforcement systems and motion picture theatres. They enjoy substantially higher output than 1" output drivers, and substantially wider frequency response than 2" output types. The 288-8L and 288-16L 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 288-8L and 288-16L 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 10kHz and 2dB greater pressure sensitivity than provided by earlier 288 models. The 288-8L provides a minimum impedance of 8 ohms; the 288-16L, 16 ohms.

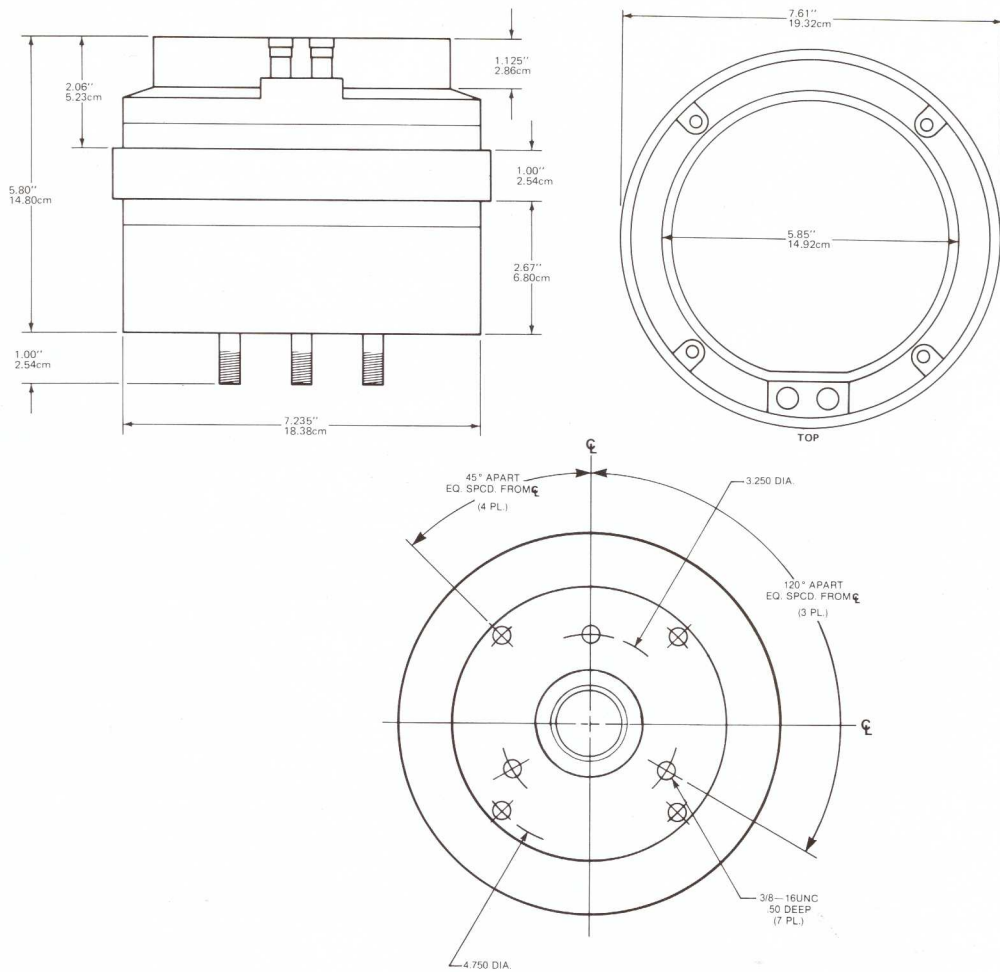
The diaphragm/voice coil assembly of the 288-8L and 288-16L can be replaced in the field by untrained personnel without the use of special tools. Adjustable dowel pins allow each voice

to be precisely centered in the voice coil gap, which has a flux density of 2.05 tesla 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

Power Capacity:	20 watts (Audio Engineering Society standard test method, 288 on MR11594A horn, over bandwidth 500 Hz-20 kHz).
Frequency Response:	500 Hz-15 kHz
Pressure Sensitivity:	115.7 dB-SPL (re: 20 μ Pa), on MR42A horn, one watt at one meter, 500 Hz-16 kHz
Minimum Impedance:	8 ohms (288-8L) 16 ohms (288-16L)
Construction—Magnet:	6.87-pound Ferrite V flux density 2.05 T
Magnetic Structure Weight:	29.5 pounds
Diaphragm:	Aluminum, with tangential suspension
Voice Coil:	2.8" diameter of edge-wound aluminum ribbon
Dimensions:	7.61" (19.32 cm) diameter 5.8" (14.8 cm) depth, less mounting studs
Weight:	30.5 pounds (13.83 kg)
Finish:	Gray "Hammertone" enamel paint
Replacement Diaphragms:	model 23763 (8 ohms) model 23834 (16 ohms)
Mounting Data:	seven threaded holes in driver mounting face, and four threaded studs included with driver



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: 20 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: 115.7 ± 1 dB SPL when measured at 1 m on axis from mouth of Altec MR42A horn with 1 watt input of pink noise, band-limited from 500 Hz-15 kHz. 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 2.05 T 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 288-8L.

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



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