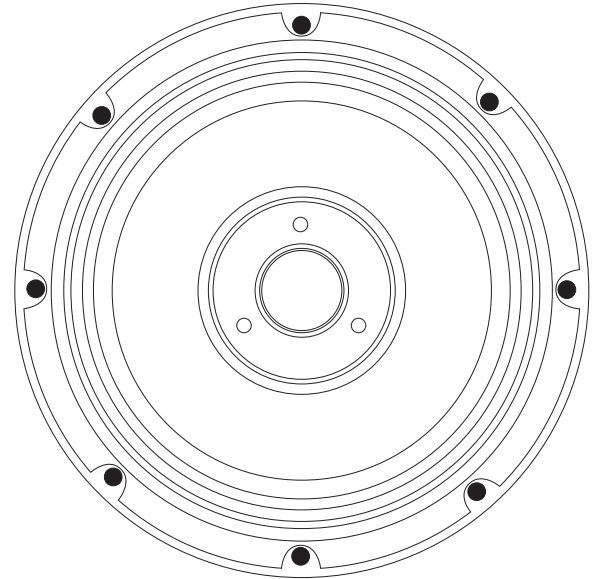


FEATURES – THE ALTEC LANSING DIFFERENCE

- High Fidelity Duplex® 12 inch / 300 mm Speaker
- High Performance 125 W EIA / 500 W peak power handling
- Point-Source design for superior speech intelligibility
- Corrosion resistant, die-cast speaker frame
- Special moisture resistant cone material
- Two low insertion loss transformers available

GENERAL PRODUCT DESCRIPTION

Twelve-inch Duplex® speakers from Altec Lansing are the most popular hotel ballroom ceiling speakers in the world. The new Altec Lansing Professional CD912 is an excellent choice for hotel meeting spaces, convention centers, airports & transportation facilities, and any high ceiling applications that require reproduction of high fidelity music and intelligible speech. The loudspeaker consists of a 12 inch / 300 mm moisture resistant cone woofer, a broad dispersion dome tweeter with heat resistant voice coils and die-cast corrosion-resistant speaker frame. A 1,500 Hz second order crossover provides smooth high fidelity transitions. The optional transformers (16 and 32 Watts) feature a low < 0.6 dB insertion loss.



SPECIFICATION	DIMENSIONS:	T532-71
Frequency Response 75 – 15,000 Hz +/- 5dB	CD912-8A Height: 4.92 in (125.7 mm) Diameter: 12.24 in (311 mm)	32 Watt, 70 V / 100 V with 70 V taps @ 32 W, 16 W, 8 W and 4.0 W
Low frequency limit (-10 dB) 45 Hz		REPAIR PARTS:
Power Handling 125 W EIA, 500 W peak	NET WEIGHT:	Diaphragm/Voice Coil Assembly:
Sensitivity (SPL - 1 W 1 m) 100 dB	CD912-8A 14 lbs 1 oz (6.4 kg)	R-912-8HF Kit
Maximum Output (Peak SPL) 127 dB	SHIPPING WEIGHT:	12" Driver Recone Kit:
Magnet Weight 2.4 lb (1.1 Kg)	CD912-8A 17 lbs 3 oz (7.8 kg)	R-912-8LF Kit
Impedance Nominal - 8 Ohms Minimal - 4.6 Ohms	OPTIONAL TRANSFORMER:	
Crossover 1,500 Hz	T516-71 16 Watt, 70 V / 100 V with 70 V taps @ 16 W, 8 W, 4 W and 2.0 W	

ARCHITECTS & ENGINEERS SPECIFICATION

The loudspeaker shall be an Altec Lansing Professional CD912-8A Duplex® with a 12 inch (300 mm) diameter moisture resistant woofer, a broad dispersion dome tweeter with heat resistant voice coil and a die-cast corrosion-resistant speaker frame. The speaker shall have a power rating of 125 W EIA / 500 W peak. The frequency response shall be 75 to 15,000 Hz +/- 5 dB with a sensitivity of 100 dB @ 1 W 1 m. The model number shall be Altec Lansing Professional CD912-8A. Optional transformers shall be the T516-71 (16 Watt, 70 V/100 V) or the T532/71 (32 Watt, 70 V/100 V). Transformers shall have a low < 0.6 dB insertion loss.

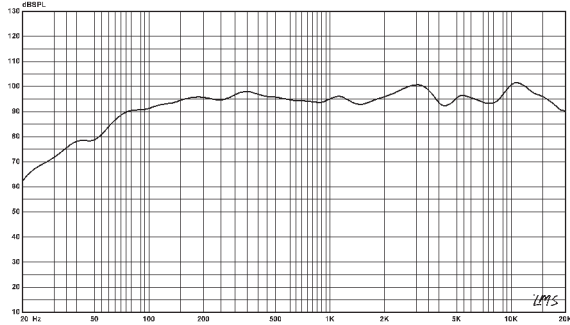
ENCLOSURES AND BAFFLES

The CD912-8A ceiling speaker will fit on a standard 12 inch (300 mm) baffle, enclosures and back boxes.

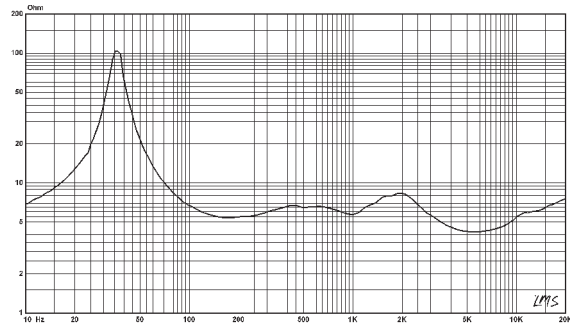
The driver was housed in a 1.8 ft³ (0.051 m³) enclosure.

Please note that larger volume enclosures will result in altered low frequency performance.

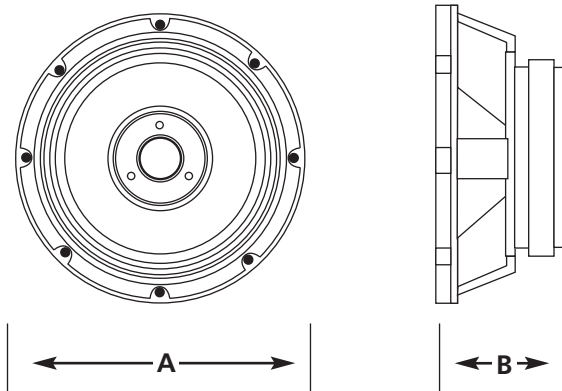
Frequency Response (1 W 1 m on-axis)



Impedance



MOUNTING DIMENSIONS



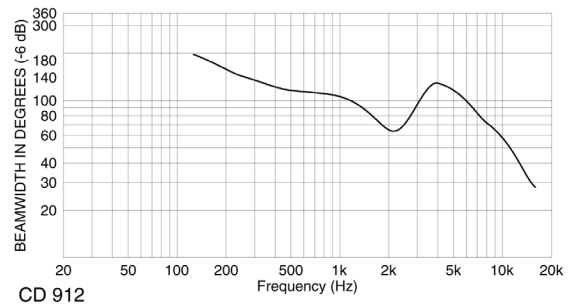
SAFETY CONSIDERATION

1. Appropriate connectors with suitable ratings must be used to make all installation connections.
2. All unused taps must be insulated with suitable insulation.
3. Transformers and speaker combinations must be supplied by a suitable amplifier incorporating ungrounded outputs only and reinforced insulation (as per IEC60065) from output to mains.

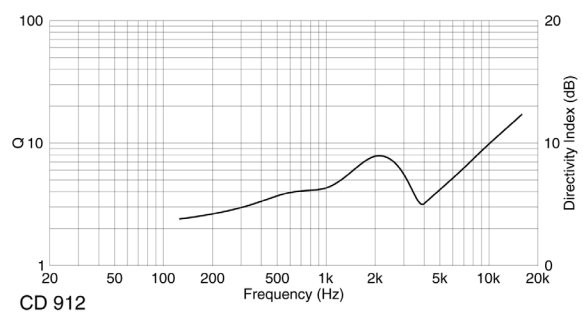
ACCESSORIES

Altec Lansing recommends use of our 12 inch (300 mm) square metal enclosures and grilles. The CD912 Series will also fit on standard industry ceiling speaker hardware.

Beamwidth

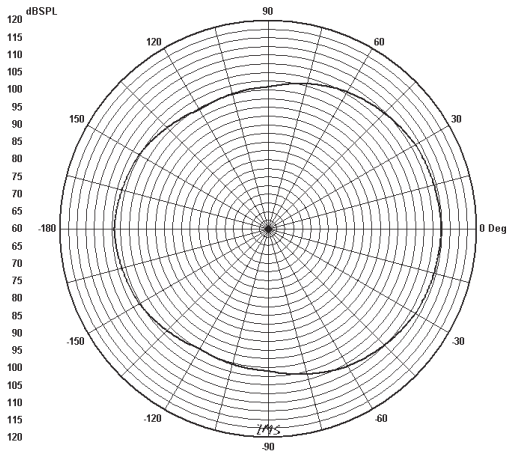


Q & Directivity Index

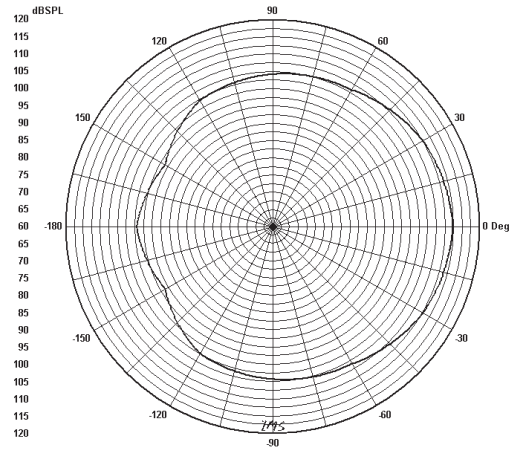


	A	B
CD912-8A	12.24 in (311 mm)	4.92 in (125 mm)

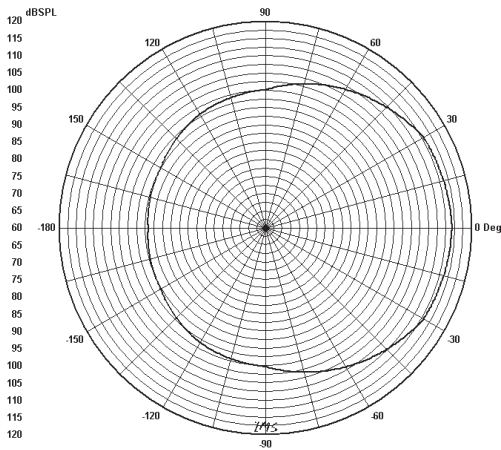
One Octave Polar Response Charts 6 dB/Division



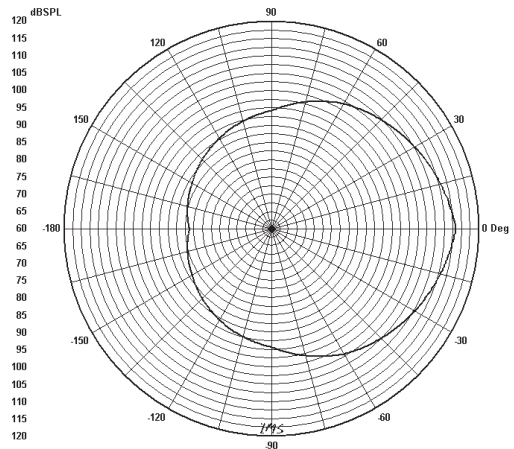
250 Hz



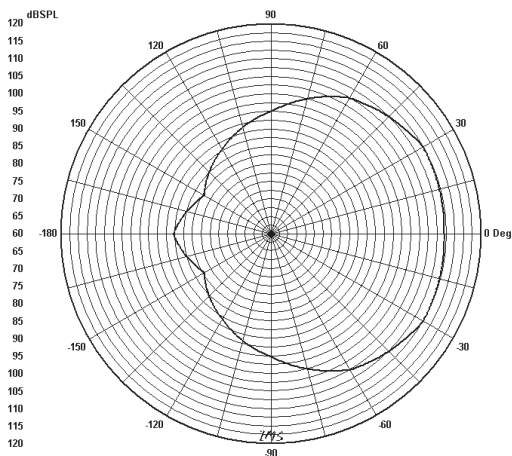
500 Hz



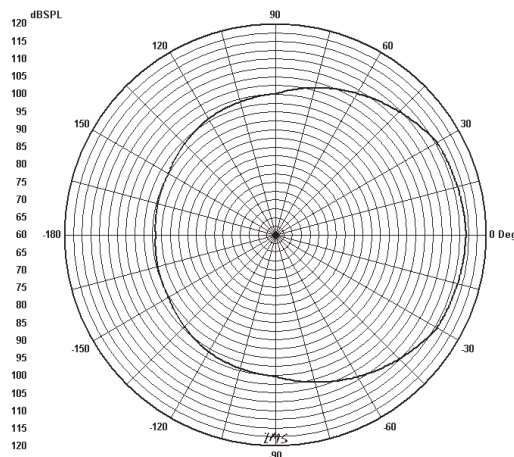
1 kHz



2 kHz



4 kHz



8 kHz

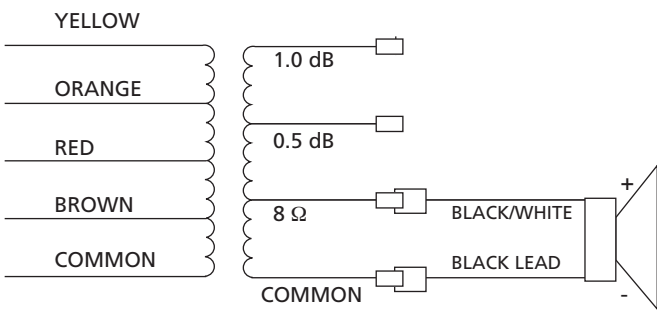
As we are continually striving to improve Altec Lansing products, specifications are subject to change without notice.

TRANSFORMER CHART

CD912-8A

Premium 16 W Transformer (T516-71) Primary	Premium 32 W Transformer (T532-71) Primary	70.7 V Primary Tap Color Code	100 V Primary Tap Color Code
16.0 W	32.0 W	Brown	Red
8.0 W	16.0 W	Red	Orange
4.0 W	8.0 W	Orange	Yellow
2.0 W	4.0 W	Yellow	N/A
Primary Common		Black	

WIRING DIAGRAM



ALTEC
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