



#### **DESCRIPTION**

The ALTEC 730C Driver Loudspeaker is designed to provide maximum performance at minimum cost. It may be used with ALTEC multicellular horns or the 31A and 511A sectoral horns, and will provide smooth response from 300 Hz to 8000 Hz. The 730C can handle up to 50 watts, but requires less wattage from its driving amplifier due to its high efficiency.

The 730C is equipped with a removable, heavy-duty, weatherproof housing. Threaded holes

are provided inside the housing for mounting an appropriate ALTEC 70V line transformer. Like all ALTEC public address driver loudspeakers, the diaphragm and voice coil assembly can be replaced in the field by untrained personnel without the use of special tools.

The ALTEC 730C is ideally suited for outdoor, and many indoor sound reinforcement and announcing systems, where proven ruggedness and reliability are a requisite.

## SPECIFICATIONS

|                              |   |                       |   |
|------------------------------|---|-----------------------|---|
| <b>Power:</b>                | 50 watts (based upon continuous operation with pink noise above 500 Hz with appropriate protective network).  | <b>Application:</b>   | Weatherproof construction for outdoor use   |
| <b>Frequency Response:</b>   | 300 to 8000 Hz  | <b>Protection:</b>    | Altec N500 or N800 series Dividing Networks, or Altec 15045A 70V transformer. (Low frequencies should be attenuated a minimum of 12 dB per octave below 300 Hz when used at or near maximum power.) |
| <b>Pressure Sensitivity:</b> | 105 dB SPL with 1 watt input of pink noise from 500 Hz to 3000 Hz measured at 4' on axis from mouth of 511A horn. Equal to EIA rating of 58 dB SPL with 1 milliwatt input at 30' (Ref.: 0.0002 dyne/cm <sup>2</sup> ). See horn data sheets.<br><br>122 dB SPL with 50 watts input of pink noise from 500 Hz to 3000 Hz measured at 4' on axis from mouth of 511A horn. | <b>Magnet Weight:</b> | 3½ lbs.   |
| <b>Impedance:</b>            | 8 ohms  | <b>Flux Density:</b>  | 13,000 gauss  |
| <b>Voice Coil Diameter:</b>  | 2"  | <b>Dimensions:</b>    | Diameter 5 <sup>7</sup> / <sub>8</sub> " (14.92 cm)<br>Height 7" (17.78 cm)   |
|                              |   | <b>Weight:</b>        | 5 pounds (2.27 kg)  |
|                              |   | <b>Finish:</b>        | Gray  |
|                              |   | <b>Accessories:</b>   | See Altec catalog sheets for Multicellular Horns, Sectoral Horns, Dividing Networks and 70V & 25V Transformers.   |

## ARCHITECT'S AND ENGINEER'S SPECIFICATIONS

The HF driver loudspeaker shall meet the following performance criteria. Power rating, 50 watts pink noise above 500 Hz. Frequency response, uniform from 300 Hz to 8000 Hz. Pressure sensitivity; 105 dB SPL with 1 watt input of pink noise from 500 Hz to 3000 Hz when measured on axis 4' from mouth of 511A horn, 122 dB SPL with 50 watts input of pink noise from 500 Hz to 3000 Hz when measured on axis 4' from mouth of 511A horn (Ref.: 0.0002 dyne/cm<sup>2</sup>). Impedance, 8 ohms. Dimensions, 5<sup>7</sup>/<sub>8</sub>" diameter by 7" high. Weight, 5 pounds. Color, gray.

The HF driver loudspeaker shall be the ALTEC Model 730C.

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