



## Sound Radiator Trumpet

**Models  
71 and 72**



### **Features:**

- **Compact Size — Rugged Design**
- **Excellent Intelligibility**
- **High Talk-back Efficiency**
- **Patented High Frequency Diffuser\***
- **Sturdy Cast Metal Adjustable Mounting Bracket**
- **Heavy Gauge Spun Aluminum Housing**
- **Completely Weatherproofed**
- \* **U.S. Patent No. 200,776**

Model 71 and 72 trumpets are round medium sized 5 and 15-watt radiator types. Their reentrant design, high efficiency, and peaked characteristics — within the voice range — assures maximum penetration and intelligibility. Mounting brackets permit adjustment on both a horizontal and vertical plane using a wing-nut arrangement. Constructed of heavy gauge aluminum, each trumpet is weatherproofed to provide protection against all climatic conditions. These trumpets will withstand severe industrial use, either indoors or out.

Both models are designed for sound distribution in the Altec Lansing Altecom 100 or 300 Intercom Systems. Model 71 provides excellent coverage for small areas in low and medium noise levels. Model 72 is best suited for larger areas, including outdoors, in medium to high noise levels.

**ALTEC LANSING**

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INTERCOM

SYSTEMS

EQUIPMENT

# ALTEC Models 71 and 72

## SPECIFICATIONS

| MODEL 71  | TYPE                              | MODEL 72                           |
|---|-----------------------------------|------------------------------------|
| Re-entrant trumpet radiator.....                      | Re-entrant trumpet radiator       |                                    |
| 5 watts continuous.....                               | <b>POWER</b> .....                | 15 watts continuous                |
| 7.5 watts peak  |                                   | 25 watts peak                      |
| 350 to 10,000 Hz.....                                 | <b>FREQUENCY RANGE</b> .....      | 200 to 10,000 Hz                   |
| 8 ohms.....   | <b>IMPEDANCE</b> .....            | 8 ohms                             |
| 115 dB* at 5 watts.....                               | <b>SOUND PRESSURE LEVEL</b> ..... | 124 dB* at 15 watts                |
| 120°.....   | <b>DISTRIBUTION</b> .....         | 95°                                |
| 7 $\frac{1}{8}$ " dia. by 6 $\frac{7}{8}$ " long..... | <b>DIMENSIONS</b> .....           | 11 $\frac{1}{4}$ " dia. by 9" long |
| 4 lbs.....  | <b>WEIGHT</b> .....               | 4 $\frac{1}{2}$ lbs.               |
| Altec grey.....                                       | <b>COLOR</b> .....                | Altec grey                         |

\*Ref: 0.0002 dynes/cm<sup>2</sup> with warble frequency of 600 to 2400 Hz, 4' from mouth of radiator.

### NOTES:

1. Both models provided with swivel type mounting bracket. Completely adjustable on both a horizontal and vertical plane. Three ¼-inch holes for fastening.
2. Housing is of heavy gauge spun aluminum.
3. All parts chemically processed prior to final finish to resist weather under all climatic conditions.
4. Two feet of 2-conductor weather-proofed cable is furnished for hook-up.

## ARCHITECTS AND ENGINEERS SPECIFICATIONS

### MODEL 71

The radiator trumpet shall be the double re-entrant type capable of dissipating 5 watts normally and 7.5 watts at frequencies above 350 Hz (cutoff). The horn shall have a frequency range of 350 to 10,000 Hz and a dispersion angle of 120 degrees. Trumpet design shall include a high-frequency diffuser mounted to the reflex assembly for extended high frequency dispersion. The sound pressure rating shall be 115 dB at 5 watts measured 4 feet from mouth of radiator on axis. The horn shall measure 7 $\frac{3}{4}$  inches in diameter and shall have an overall length of 7 $\frac{1}{2}$  inches. The unit shall be constructed of heavy gauge aluminum. The mounting bracket shall be a rugged 2-piece casting to permit horizontal and vertical adjustment without the use of tools. For weather-proofing, all parts shall be chemically processed prior to final finish. Final finish shall be Altec grey.

The sound radiator trumpet shall be Altec Lansing Model 71.

### MODEL 72

The radiator trumpet shall be the double re-entrant type capable of dissipating 15 watts normally and 25 watts at frequencies above 200 Hz (cutoff). The horn shall have a frequency of 200 to 10,000 Hz and a dispersion angle of 95 degrees. Trumpet design shall include a high-frequency diffuser mounted to the reflex assembly for extended high frequency dispersion. The sound pressure rating shall be 124 dB at 15 watts measured 4 feet from mouth of radiator on axis. The horn shall measure 11 $\frac{1}{2}$  inches in diameter and shall have an overall length of 12 $\frac{1}{4}$  inches. The unit shall be constructed of heavy gauge aluminum. The mounting bracket shall be a rugged 2-piece casting to permit horizontal and vertical adjustment without the use of tools. For weather-proofing, all parts shall be chemically processed prior to final finish. Final finish shall be Altec grey.

The sound radiator trumpet shall be Altec Lansing Model 72.

**NOTICE**  
We recommend that you obtain your Altec products from factory trained authorized Altec Sound Contractors and Distributors. This will assure you of proper installation, a continuing source of knowledgeable advice, service, and quick warranty protection.