RCMR-15

15-Watt Mobile Communication Loudspeaker

Features

- Durable, Weather-Resistant Loudspeaker for Vehicular Communications, Paging, and Intercom Systems
- 15 Watt Compression Driver for High Intelligibility Voice Transmission and Electronic Signaling
- Includes Both Stationary and Adjustable Bases

Applications

Utilize the Atlas Sound RCMR-15 loudspeaker wherever dependable service and excellent audio reproduction is required. The stationary base can be mounted on utility, municipal, maintenance/service, construction school, and public transportation vehicles. The adjustable base is ideal for manufacturing, warehouse, drive-in, and shipboard facilities.

General Description

The Atlas Sound RCMR-15 weather resistant loudspeaker extends communication, intercom, radio, telephone, alarm, and signaling systems in vehicular and industrial applications. This product has a high efficiency compression driver which concentrates the reproduction of sound in the voice and signaling frequencies. When used in conjunction with radio communications equipment, the RCMR-15 provides optimized frequency response in the voice band for maximum clarity.

Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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<tbody>
<tr>
<td>Power Rating</td>
<td>15 Watts</td>
</tr>
<tr>
<td>Nominal Frequency</td>
<td>350Hz – 13kHz</td>
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<tr>
<td>Sound Level</td>
<td></td>
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<tr>
<td>RP/1M</td>
<td>116dB</td>
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<tr>
<td>1W/1M</td>
<td>105dB, (700Hz – 5.8kHz)</td>
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<tr>
<td>Dispersion</td>
<td>-120° (Angle Shown for -6dB, 2kHz Octave Band)</td>
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<tr>
<td>Impedance</td>
<td>8Ω</td>
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<tr>
<td>Diameter</td>
<td>7½” (191mm)</td>
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<tr>
<td>Depth</td>
<td>7¼” (184mm)</td>
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</tbody>
</table>

Architect and Engineer Specifications

Loudspeaker shall be Atlas Sound RCMR-15 or approved equal, designed to withstand ambient element and vibrant effects of vehicular or mobile application. Unit shall be of double re-entrant type weatherproof construction with 15 Watt power rating. Nominal frequency response shall be 350-1.3Hz. Sound pressure level to be 106dB (1W/1M), 116dB (15W/1M) measured 700-5800Hz. Horn dispersion shall be 120°. Voice coil shall be 8Ω, suitable for application with public address, two way radio/CB, electronic hailer, low power siren, or audio alarm amplifiers. A 10’ connecting cable shall be provided. Unit to include a stationary mounting base and adjustable mounting bracket for pan and tilt positioning. Unit shall have a grey finish.
NOTE
To protect the RCMR-15 from excessive low frequency damage, Atlas Sound strongly suggest installing an electronic high pass filter (400Hz), either at the input to the amplifier or installing a 66UF non-polarized (50V) capacitor in line with the positive speaker terminal.