

Experience the undeniable sound of reliability with the 90308, a 4-inch voice range speaker designed to perform in any outdoor environment. This reliable and rugged speaker is perfect for outdoor voice communications, signals, alarms, and transit audio systems. Its robust ferrite magnet and durable aluminum voice coil deliver crystal-clear audio.

The 90308 is built to withstand the elements, thanks to its pre-mounted black powder-coated aluminum grill that protects it from moisture, heat, and wind. With its exceptional sound quality and durability, this speaker is perfect for any application where audio needs to cut through the noise and last.

- Reliable and rugged speaker designed for outdoor use
- Crystal clear audio with a robust ferrite magnet and durable aluminum voice coil
- Pre-mounted black powder-coated aluminum grill protects against the elements
- Perfect for outdoor voice communications, signals, alarms, and transit audio systems
- Exceptional sound quality and durability

MISCO engineers use the world's most sophisticated loudspeaker measurement systems, including the Klippel Analyzer, to maximize and confirm the speaker's design and the Klippel QC module to ensure perfect unit-to-unit consistency and reliability.



### Primary Specifications

<b>Size, Nominal (inch &amp; mm)</b>	4" (100 mm)
<b>Rated Impedance (<math>\Omega</math>)</b>	8
<b>Sensitivity (dB SPL) <sup>1</sup></b>	94
<b>Frequency Range (Hz)</b>	300 - 5000
<b>Resonant Frequency (Fs) (Hz) +/- 15%</b>	685

### More Specifications

<b>Application</b>	Outdoor , Transit, Voice Communications
<b>RoHS Compliant</b>	No
<b>DC Resistance (Re) (<math>\Omega</math>)</b>	6.4
<b>Program Power (W)</b>	20

### Small Signal Parameters

<b>Nominal Impedance (Z) (<math>\Omega</math>)</b>	8
<b>DC Resistance (Re) (<math>\Omega</math>)</b>	6.4
<b>Resonant Frequency (Fs) (Hz) +/- 15%</b>	685
<b>Mechanical Q Factor (Qms)</b>	9.99
<b>Electrical Q Factor (Qes)</b>	5.96
<b>Total Q Factor (Qts)</b>	3.73

### Material Descriptions

<b>Basket Type</b>	Stamped steel
<b>Terminal Size (mm)</b>	4.8 x 0.5
<b>Voice Coil Diameter (mm)</b>	19
<b>Voice Coil Wire Material</b>	Copper clad aluminum
<b>Voice Coil Former Material</b>	Kapton
<b>Magnet Material</b>	Ferrite
<b>Magnet Weight (g)</b>	136
<b>Cone Body Material</b>	Acrylic treated textile
<b>Cone Surround Material</b>	Acrylic treated textile
<b>Dust Cap Material</b>	Acrylic treated textile
<b>Net Weight (kg)</b>	0.52

