

## W SERIES

# W2-218

8-INCH FULL-RANGE  
TWO-WAY LOUDSPEAKER



### APPLICATIONS

#### MAIN PA or DISTRIBUTED

Theme and amusement parks · Water parks  
Outdoor entertainment centers · Cruise ships  
Music pavilions and musical fountains

#### FILL or DELAY

Stadiums · Themed entertainment  
Cruise ships

### DESCRIPTION

Community's W2-218 is a compact two-way, full-range loudspeaker system featuring an 8-inch carbon fiber LF driver and a 1-inch HF compression driver with a weather-resistant, non-metallic, non-resonant polyimide diaphragm. Drivers are Ferrofluid-cooled to improve heat transfer, resulting in higher power handling and reduced distortion.

Like all W SERIES loudspeakers, the W2-218 is designed to provide high quality music and voice reproduction in applications requiring extreme weather-resistance. The W2-218's compact enclosure features unmatched durability and ruggedness and is engineered for use in permanent installations.

The loudspeaker enclosure and faceplate are constructed of hand-laminated multilayer fiberglass composite, resulting in extreme structural strength. A three-layer Weather-Stop™ grille provides weather-resistance to the internal components, while all exposed hardware is stainless steel or powder-coated aluminum. A weather-resistant powder-coated stainless steel mounting yoke is included.

The W2-218 is also available in an optional "autoformer" version (model W2-218T), with a built-in 100-watt autoformer for 70V/100V lines with selectable taps at 100, 50, 25 and 12.5 watts.

### FEATURES

- All-weather, multilayer fiberglass composite enclosure with stainless steel hardware
- Integral mounting points
- High power passive crossover and Ferrofluid-cooled drivers
- Available in black or white finishes
- Powder-coated weather-resistant marine grade aluminum grille and stainless steel yoke
- Available with built-in 100W autoformer for 70V/100V applications

### TECHNICAL SPECIFICATIONS

|                                   |   |
|-----------------------------------|---|
| <b>Loudspeaker Type:</b>          | Two-way, full-range   |
| <b>Operating Range:</b>           | 70 Hz - 18 kHz  |
| <b>Frequency Response:</b>        | 90 Hz - 15 kHz (±3 dB)  |
| <b>Max Input Ratings (8 ohm):</b> | 125W continuous, 250W program   |
| <b>W2-218T Autoformer Taps</b>    |   |
| <b>70V:</b>                       | 100W, 50W, 25W, 12.5W   |
| <b>100V:</b>                      | 100W, 50W, 25W  |
| <b>Sensitivity (1W/1m):</b>       | 93 dB SPL (125 Hz to 13 kHz 1/3 octave bands)<br>92 dB SPL (250 Hz to 4 kHz speech range) |
| <b>Maximum Output:</b>            | 114 dB SPL / 120 dB SPL (peak)  |
| <b>Nominal Impedance:</b>         | 8 ohms  |
| <b>Minimum Impedance:</b>         | 3.5 ohms @ 15.3 kHz   |
| <b>Nominal Coverage:</b>          | 80° H x 60° V   |
| <b>Crossover Frequency:</b>       | 2000 Hz   |
| <b>Drivers:</b>                   | LF 1 x 8" (203 mm) carbon fiber<br>HF 1 x 1" (25.4 mm) exit, non-metallic diaphragm       |

### PHYSICAL

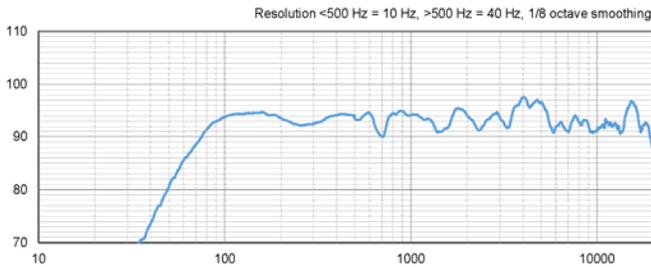
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| <b>Input Connection:</b>              | 16-2 SJOW (12 ft / 4m)<br>18-5 SJOW (T-Version)  |                              |
| <b>Enclosure:</b>                     | Hand-laminated fiberglass  |                              |
| <b>Finish:</b>                        | Black or white gelcoat   |                              |
| <b>Mounting / Rigging Provisions:</b> | Two (2) 1/2-13 threaded mounting points; yoke included   |                              |
| <b>Grille:</b>                        | Powder-coated, zinc-plated marine grade aluminum (5052 alloy), black or white finish (three-layer Weather-Stop™) |                              |
| <b>Environmental:</b>                 | IP 55W rated per IEC 60529   |                              |
| <b>Dimensions—Height:</b>             | 9.25 inches (235 mm)   |                              |
| <b>Width:</b>                         | 15.5 inches (394 mm)   |                              |
| <b>Depth:</b>                         | 10.14 inches (258 mm)  |                              |
| <b>Weight (with yoke):</b>            | W2-218<br>18.6 lbs (8.4 kg)  | W2-218T<br>21.4 lbs (9.7 kg) |
| <b>Shipping Weight:</b>               | W2-218<br>23.2 lbs (10.5 kg)   | W2-218T<br>26 lbs (11.8 kg)  |

### OPTIONS

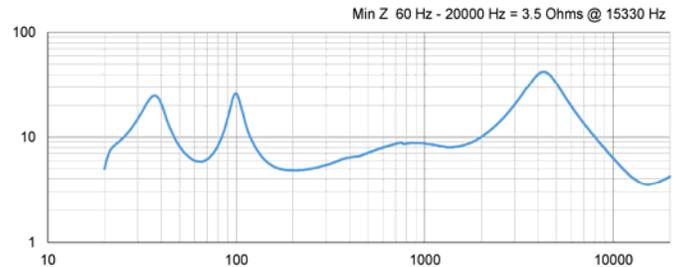
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| <b>Required Accessories:</b> | Electronic high pass filter (70 Hz, 24dB/octave) |
| <b>Included Accessory:</b>   | Yoke   |

Recommended signal processing available at [www.communitypro.com](http://www.communitypro.com).

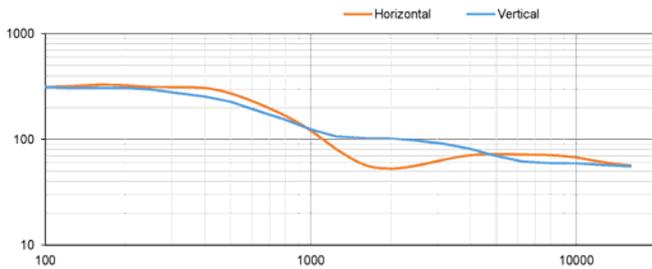
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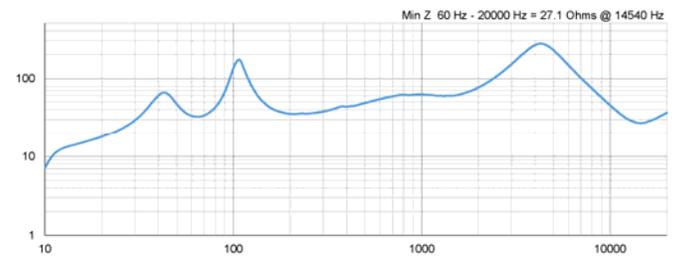
IMPEDANCE



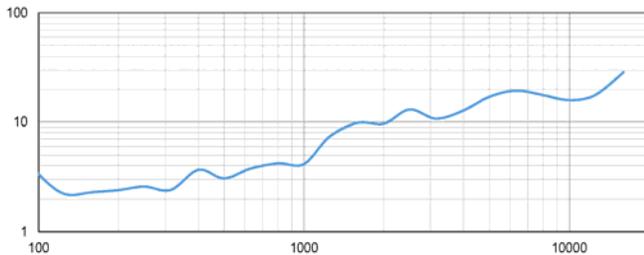
BEAMWIDTH



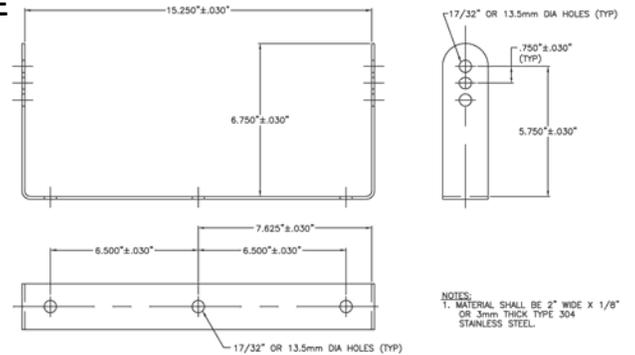
IMPEDANCE (100W AUTOFORMER)



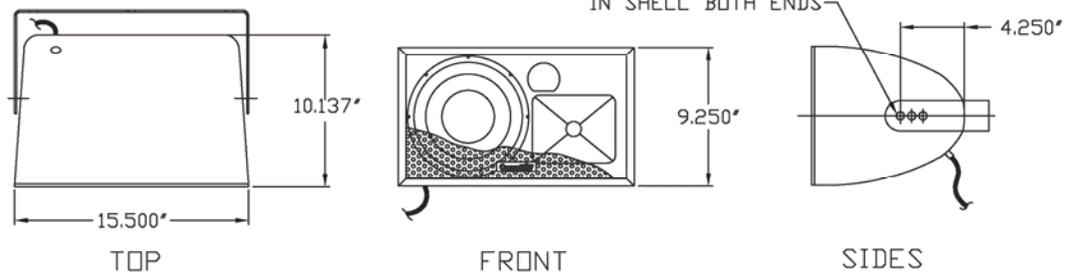
AXIAL Q



YOKE



DIMENSIONS



ARCHITECTURAL SPECIFICATIONS

The loudspeaker system shall be a two-way, full-range, weather-resistant bass reflex design with one 8-inch carbon fiber low-frequency woofer and one 1-inch exit high frequency driver with a non-metallic polyimide diaphragm mounted on a fiberglass high frequency horn. Drivers shall be connected to an integral crossover with a crossover frequency of 2 kHz. The input connection shall be one 12 ft. (4m) SJOW #16 gauge cable with stripped ends. The loudspeaker enclosure shall be of multilayer fiberglass composite with a powder-coated perforated zinc-plated marine grade aluminum grille backed by weather-resistant material. There shall be two 1/2-13 rigging points. The system shall have an amplitude response of 90 Hz -15 kHz (±3 dB), input capability of 32V RMS, 93dB sensitivity at one meter nominal impedance. The nominal dispersion shall be 80° H x 60° V from 1.6 kHz - 12.5 kHz. The loudspeaker shall be 9.25 in. (234.9 mm) high x 15.5 in. (393.7 mm) wide x 10.14 in. (257.5mm) deep and weigh 18.6 lbs (9.5 kg).