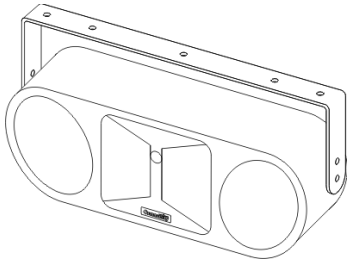
W2-2V8

WET SERIES II FULL-RANGE 2-WAY, 8-INCH



Description

The W2-2V8 is a distinctive two-way, asymmetrical full-range loudspeaker system, designed for underbalcony use. Vertically it covers from 0° on axis over 75°downward. The horizontal dispersion varies from 70° on axis to 120° virtually underneath the speaker. This pattern provides more uniform coverage for common underbalcony stadium fill applications.

Two 8" LF drivers are specially treated for weather-resistance, while the 1-inch HF driver has a titanium diaphragm. However, because the W2-2V8 is designed for permanently installed underbalcony use, its uniquely shaped multilayer glass composite enclosure is not intended for direct exposure to the elements of weather. All drivers are Ferrofluid-cooled to improve heat transfer, resulting in higher power and reduced distortion.

Engineered for use in permanent installations, the loudspeaker enclosure and faceplate are constructed of multilayer glass composite, resulting in extreme structural strength. All exposed hardware is stainless steel. A weather-resistant stainless steel mounting yoke is included.

An optional "autoformer" version (model W2-2V8T) is also available, with a built-in 200-watt autoformer for 70V/100V lines with selectable taps at 200, 100, 50 and 25 watts.

The W2-2V8 is backed by a five-year product warranty plus a fifteen-year enclosure warranty.

Applications

- Stadium Underbalcony Fill
- Theme and Amusement Parks
- Outdoor Entertainment Centers
- Water Parks

Features

Unique Asymmetrical Coverage Pattern

All-Weather, All-Fiberglass Enclosure Designed for Indirect Exposure to the Elements

Weather-Resistant Drivers

Stainless Steel Hardware

Integral Mounting Points

High Power Passive Crossover

Ferrofluid-Cooling

Weather-Resistant Mounting Yoke Included

Available in Black or White Finishes

Available with or without a 200 W Autoformer for 70V / 100V Applications

SYSTEM

Format:	Two-way, full-range
Operating Range:	80 Hz - 18 kHz
Frequency Response:	100 Hz - 10 kHz (±4 dB)
Dispersion (-6 dB):	70°-120° H x 75° V
Maximum SPL @1m:	118 dB continuous / 125 dB peak
Crossover Frequency:	2 kHz
Sensitivity in SPL: (1W/1m, free space)	95 dB (100 Hz - 13 kHz, 1/3 octave) 96 dB (250 Hz - 4 kHz, speech range)
Max Power Handling:	250W RMS 600W Program
Transformer Version **70V Taps** **100V Taps:**	 200W, 100W, 50W and 25W 200W, 100W, 50W and 25W
Impedance:	Nominal 4Ω

TRANSDUCERS

Low Frequency:	2 x 8" (203 mm)
High Frequency:	1" (25.4 mm)

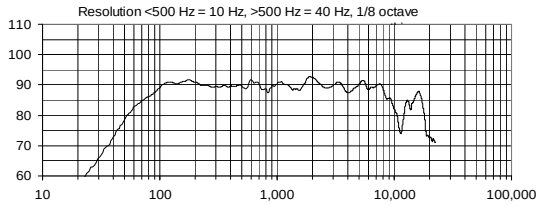
MECHANICAL

Enclosure:	Hand-laminated fiberglass
Finish:	Black or white gelcoat
Rigging Provisions:	Two 1/2-13 rigging points; yoke bracket included
Input Connection:	16-2 SJOW (12 ft / 4m) 5-Conductor UV Resistant (T-Version)
Grille:	16-Gauge Perforated Stainless Steel
Dimensions: H x W x D	9.5" (241 mm) x 26.5" (673 mm) x 14" (356 mm)
Net Weight:	37.8 lbs / 17.2 kg

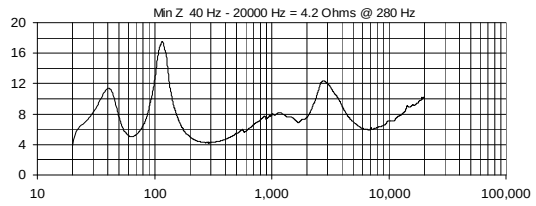
Recommended signal processing available upon request.

W2-2V8

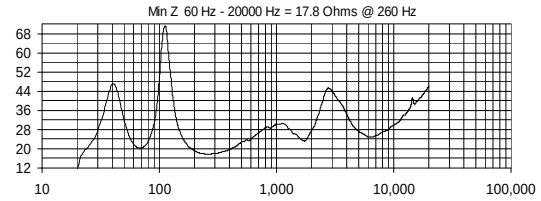
FREQUENCY RESPONSE



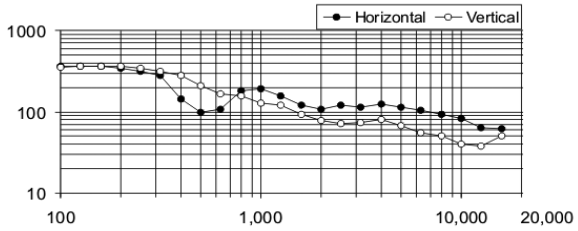
IMPEDANCE



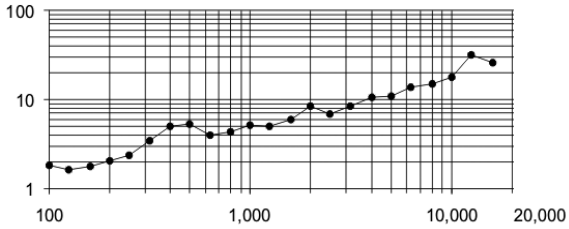
AUTOFORMER 200W IMPEDANCE

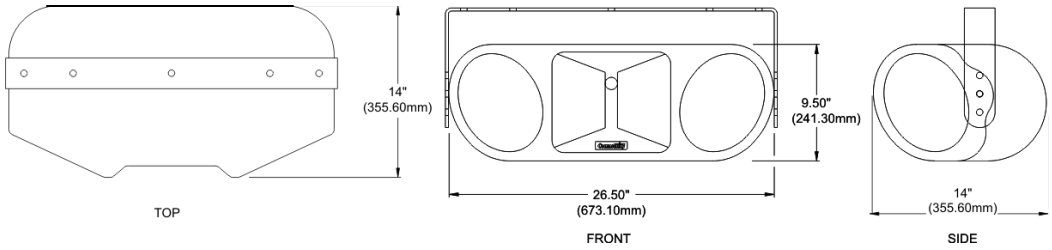


BEAMWIDTH



AXIAL Q





Architects' and Engineers' Specifications

The loudspeaker system shall be a two-way, full-range, asymmetrical weather-resistant design with two 8-inch weather treated low frequency woofers on an integral fiberglass waveguide and one 1-inch exit high frequency driver with a titanium diaphragm mounted on an integral high frequency fiberglass horn. Drivers shall be connected to an integral crossover with crossover frequency of 2 kHz and integral over-current protection circuitry using high positive current coefficient resistors. The input connection shall be one 12-foot (4m) SJOW #16 gauge cable with stripped ends. The loudspeaker enclosure shall be of molded reinforced fiberglass with a 16 gauge perforated steel grille. There shall be two ½ - 13 rigging points. The system shall have an amplitude response of 100 Hz - 10 kHz (+/- 4 dB), input capability of 45 volts RMS, 95 dB sensitivity at one meter / 2 V / 4 ohms nominal impedance. The nominal dispersion shall be 70° - 120° H x 75° V. The loudspeaker shall be 9.5 in. (241 mm) high x 26.5 in. (673 mm) wide x 14 in. (356 mm) deep and weigh 37.8 lbs. (17.2 kg.).

Community strives to improve its products on a continual basis. Specifications are therefore subject to change without notice.

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