

WX-218SDF WET X SERIES DUAL 18-INCH SUBWOOFER



TECHNICAL SPECIFICATIONS

SYSTEM

Loudspeaker Type:	Subwoofer (Down-fire), weather-resistant
Operating Range:	35 Hz - 500 Hz (-10 dB)
Frequency Response:	47 Hz - 450 Hz (-3 dB)
Coverage Pattern:	360° H x 180° V
Max Input Ratings:	1400W RMS, 2800W Program, 4 ohms 74.8 volts RMS, 149.7 volts momentary peak
Maximum Output:	134 dB SPL / 140 dB SPL (peak)
Sensitivity (1W/1m):	103 dB (50 Hz-315 Hz) half space
Nominal Impedance:	4 ohms, 3.3 ohms @ 40 Hz minimum
Recommended High Pass:	35 Hz 12 dB / Octave

TRANSDUCERS

Drivers:	LF 2 x 18" cast frame, vented pole, weather-treated
Driver Protection:	None
Required Accessories:	DSP Signal processor

PHYSICAL

Input Connection:	3' (.914 m) SJOW #10-2 gauge cable with stripped ends (through the grille face)
Enclosure:	Trapezoidal fiberglass outer shell and face lined and reinforced with 18mm (7-layer) marine grade plywood
Finish:	Black or White gel coat fiberglass
Mounting/Rigging Provisions:	Eight 1/2"-13 rigging points; Four steel zinc-rich dual-layer powder-coated mounting brackets included
Grille:	3-Layer Weather-Stop™ backing, 304SS zinc-rich epoxy dual-layer powder-coated
Environmental Specifications:	IP56 per IEC 529
Dimensions – H x W x D:	30.76" x 49.80" x 24.32" (Height includes brackets) (781 x 1265 x 618 mm)
Unit Weight:	196 lbs (88.9 kg) (with mounting brackets)
Shipping Weight:	360 lbs (163.3 kg)

CONFIGURE-TO-ORDER (CTO) OPTIONS

Custom Colors:	Custom color exterior-grade paint finish, RAL or custom color matching available
Dual-amp:	#10-4 SJOW, 4-color cable
Cable:	Custom length

ACCESSORIES

Brackets:	SSY218SDFKIT - Four (4) 304 stainless steel mounting brackets
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Available in Black or White (standard)

APPLICATIONS

- Theme and Amusement Parks
- Outdoor Entertainment Centers
- Cruise Ships
- Multipurpose outdoor and indoor venues
- Stadiums
- Music Pavilions
- Musical Fountains
- Water Parks

FEATURES

- Exceptional punch, high power and low distortion
- Independent bass ports for efficient output
- All-weather, multi-layer glass composite shell over 18mm (7-layer) marine grade plywood interior
- Dual-layer powder-coated stainless steel mounting brackets included
- Stainless steel hardware

DESCRIPTION

With power handling of 1400W continuous (2800W program) and sensitivity of 103 dB/W/m, the highly efficient WX-218SDF offers exceptional punch, high output, and low distortion.

The WX-218SDF uses a unique combination of techniques to keep voice coil temperatures low to minimize power compression that causes reduced output at higher volume levels. BCL (Balanced Cone Loading) improves the linearity of the system by balancing the front and rear air loads. The 3rd harmonic distortion at 40V (50% power) averages less than 1.9% over its operating range and the enclosure has strong internal bracing to reduce sound energy losses from enclosure vibration.

The WET X Series is designed to provide high quality music and voice reproduction in applications requiring extreme weather-resistance. The WET X enclosure features unmatched durability and ruggedness and is engineered for use in permanent installations. The loudspeaker enclosure and faceplate are constructed of multi-layer glass composite lined with 18mm (7-layer) marine grade plywood, resulting in extreme structural strength. All exposed hardware is stainless steel or powder-coated aluminum extrusion. Four steel weather-resistant dual-layer powder-coated brackets are included for mounting.

NOTES:

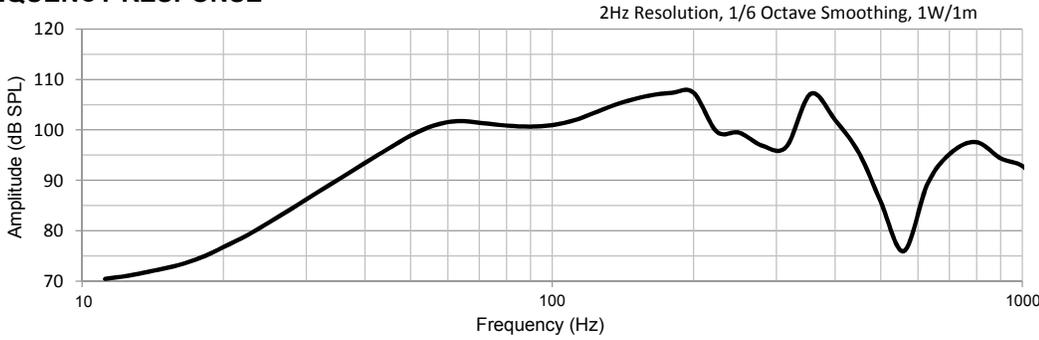
1. All wattage figures are calculated using the rated impedance
2. Ground plane sensitivity measurement, half space loading

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

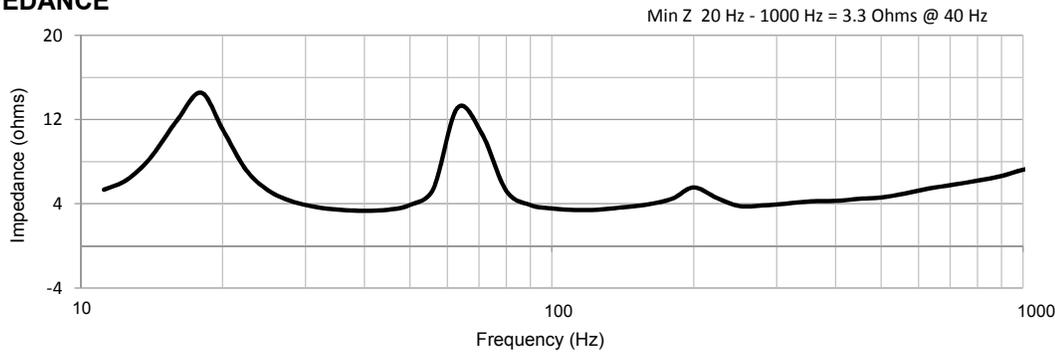
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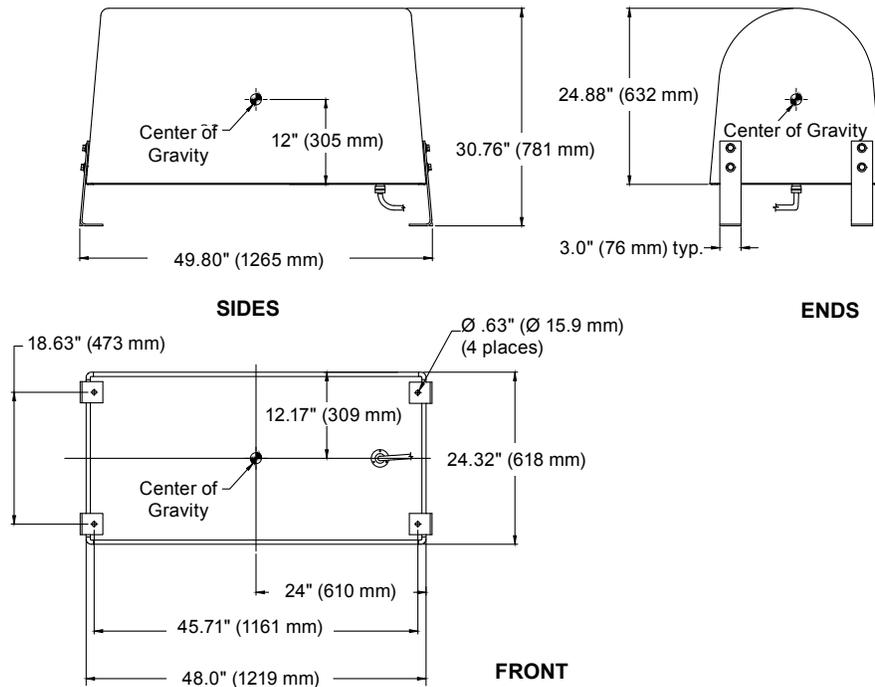
FREQUENCY RESPONSE



IMPEDANCE



DIMENSIONS



ARCHITECTURAL SPECIFICATIONS

The loudspeaker system shall be a vented bass reflex multi-layer glass composite enclosure with dual cast frame 18 inch drivers utilizing a balanced cone loading design. The front of the loudspeaker enclosure shall have a 16-gauge perforated stainless steel grille backed by open cell foam and a high density polyester mesh cloth. There shall be four pair (8) 1/2"-13 rigging points. 95% of the interior of the shell shall be lined with wood, with 18mm (7-layer) cross laminated marine grade plywood on all interior flat surfaces. All wood shall be sealed with fiberglass resin. The input connection shall be one 3' (.914 m) SJOW #10-2 gauge cable with stripped ends. The loudspeaker system shall have an amplitude response of 47 Hz to 450 Hz (-3 dB SPL), an input capacity of 74.8V RMS, 103 dB SPL sensitivity @ 1W/1m between 50 Hz to 315 Hz at a nominal 4 ohm impedance. The nominal dispersion shall be 360° H x 180° V over its usable frequency range. The dimensions of the enclosure are defined as 24.88" (632mm) H x 48.0" (1219mm) W x 24.32" (617.8mm) D. The weight of the unit including the mounting brackets is 196 lbs (88.9 kg).

*Installation of loudspeakers should only be performed by trained and qualified personnel.
It is strongly recommended that a licensed and certified professional structural engineer approve the mounting design.*