

WorxAudio® S-X118S

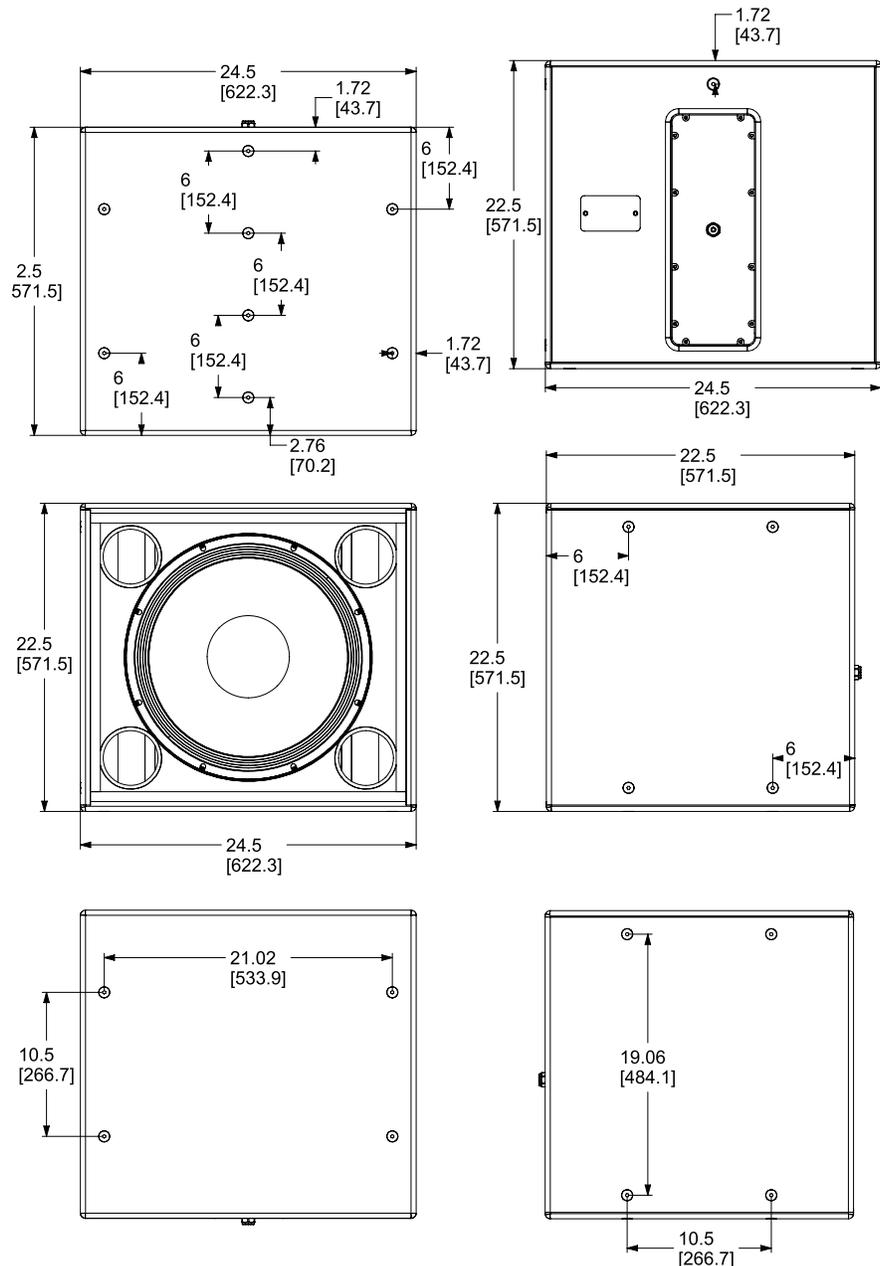
Weatherized Outdoor High SPL
Sub Bass Loudspeaker System



The S-X118S is the rugged outdoor version of our popular X118S High SPL Sub Bass Loudspeaker System design. It complements our outdoor line arrays, delivering 35 Hz to 150 Hz sub-bass in the most demanding environments, such as football and soccer fields, stadiums, and amusement parks.

It is designed to satisfy the need for an extreme high SPL sub bass loudspeaker system for low frequency sections in multi-way speaker systems, or as a sub bass section in any sound system requiring extended low frequency response and the highest quality audio reproduction.

- Specifically designed to withstand temperature extremes and moisture
- Weatherized construction for demanding outdoor applications:
 - ◆ Fiberglass seal coating and polyurea inside and out, with UV exterior outdoor protection designed to withstand temperature extremes and moisture
 - ◆ Sturdy multi-ply Baltic birch plywood enclosure
 - ◆ Multi-layered, catalyzed Polyurea finish
 - ◆ Perforated powder coated stainless steel grille with high transmission ratio over weather-resistant mesh that blocks water intrusion
- 18-inch LF transducer with 4.0-inch voice coil
- 700W power handling
- 136 dB SPL max @1W/1 meter
- 35 Hz to 150 Hz response (-3 dB)
- 16-foot, 14 AWG, 300V Aquaseal water block cable with gland nuts
- Internal bracket w/21 threaded 0.375-inch flying points



Components have been selected solely for their performance.

The S-X118S uses a direct radiating 18" 700W cone driver with a 4.0 inch voice coil, in a tuned enclosure, which provides maximum output with minimal distortion and smooth extended low frequency response.

The 15mm, 11-ply Baltic Birch highly braced enclosure and 24mm thick baffle board construction provide unsurpassed rigidity and strength.

To further increase performance in outdoor venues, the S-X118S can be arrayed with omni or cardioid directivity, depending on placement.

Its enclosure is manufactured using Baltic birch cross-laminated wood and finished with a polyurea coating (inside and out), with UV exterior outdoor protection and a fiberglass seal coating inside and out.

The stainless steel fasteners will maintain their appearance, while a stainless steel, perforated grille, backed with a vinyl mesh, completes each system.

A perforated, powder-coated steel grille with a high transmission ratio offers excellent protective properties.

System Performance

Frequency Response (-3 dB) ¹	35 Hz - 150 Hz
Frequency Range (-10 dB)	30 Hz - 250 kHz
Recommended Highpass	30 Hz, with minimum 24 dB / octave (4th Order) Butterworth slope
Recommended Crossover Frequency	90 Hz (acoustic, active, external DSP)
RMS Handling Capacity ²	LF: 700 W
Pressure Sensitivity ³ @ 1W/1m	136 dB (WorxAudio preset)
Nominal Impedance)	8 ohms

Transducers

Components	LF: 18" (457.2 mm) x 1
Voice Coil	LF: 4.0" (101.6 mm)

Physical

Enclosure	Baltic birch plywood, engineered plastics
Finish	Two-part spray catalyzed Polyurea coating on plywood
Grille	14 gauge (1.0 mm) perforated steel, powder-coated finish, black
Environmental	Outdoor use
Connectors	Weather-resistant gland nut with 16' cable
Suspension/ Mounting	Internal bracket with threaded 0.375" flying points
Dimensions	22.5" H x 24.5" W x 22.5" D (571 mm x 622 mm x 571 mm)
Net Weight	98 lb. (44.45 kg)
Shipping Weight	110 lb. (49.89 kg) approximate with carton
Product Versions	S-X118S

Footnotes:

1 Frequency response and range measured on-axis with recommended active EQ in an anechoic environment.

2 Power handling tested using pink noise filtered to meet IEC 268-5, 6 dB crest factor, 100 hours, with recommended EQ.

3 Sensitivity measured in free field (no boundary-loading gain) with recommended active EQ, referenced to 1W/1m.

Maximum SPL calculated from sensitivity and power handling specifications, exclusive of power compression

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