



## GP Series

### **GP118-sw / GP218-sw**

Flyable Cinema Subwoofers

#### **Features**

- GP118 features one premium-grade, long excursion, high power 850 W 18-inch transducer
- GP218 features dual premium-grade, long excursion, high power 850 W 18-inch transducers
- Interlocking feet and recess features allow for rigid vertical stacking
- M10 fittings allows for suspension in permanent and portable applications
- Dual NL4 Speakon™ connectors
- 18mm Baltic birch plywood construction
- 16-Gauge powder coated steel grilles



QSC's GP118 and GP218 subwoofers offer a unique solution that addresses the requirements of digital motion picture soundtracks. Featuring high excursion, 18" low-frequency transducers mounted in ported enclosures, these systems extend response to the lowest audible frequency.

The GP118/GP218 are premium, high-performance, direct radiating 18-inch subwoofers for screen channel or surround channel low frequency extension. With an impressive combination of low frequency performance and musical accuracy, the

GP118 and GP218 are an ideal subwoofer companion to QSC's AcousticPerformance™ Series loudspeakers when used in high output immersive sound surround applications. Cabinets can be placed on the floor, or suspended from the ceiling to avoid occupying floor seating space.

The GP118 features a single 18-inch transducer that incorporates a double layer spider and triple roll surround for extended and controlled excursion at extreme power. The GP218 features two of these same transducers. The 4" voice coil is wound on a fiberglass former to prevent deformation at high operating temperatures and is extensively vented to reduce power compression. An aluminum demodulating ring also further reduces distortion.

The GP118 and GP218 enclosures are constructed of 18mm Baltic birch plywood with internal bracing to eliminate acoustic losses due to panel resonance while maintaining the enclosure's robustness. Built-in M10 threaded fittings allow the GP118 and GP218 to be easily and safely suspended (using installer provided hardware). Further contributions to cabinet rigidity include vent walls constructed of the same plywood as the enclosure. Ample port area allows free movement of air resulting in minimal turbulence and port distortion. Finishing the enclosure's aesthetic design, the transducer is protected by a 16-gauge, powder coated steel grille. The subwoofers can be stacked vertically using their interlocking feet and recess features machined into the enclosure's top panel.

# GP118-sw / GP218-sw Details

## Specifications:

System Details	GP118	GP218
Frequency Range (-10dB)	29 Hz to 800 kHz	24 Hz to 1.2 kHz
Rated Noise Power (Voltage) <sup>1</sup>	850 W continuous (82.5 V rms)	1700 W continuous (82.5 V rms)
Sensitivity <sup>2</sup>	98 dB, 1W@1m	102 dB, 1W@1m
Maximum Rated SPL	129 dB @ 1m, continuous <sup>3</sup> 135 dB @ 1m, peak <sup>4</sup>	135 dB @ 1m, continuous 141 dB @ 1m, peak
Rated Impedance	8Ω	4Ω
Recommended Amplifier Power	1700 Watts	3000 to 4000 W
Transducer	18" (457 mm) driver with 4" (102 mm) voicecoil	Two 18" (457 mm) drivers with 4" (102 mm) voicecoils
Enclosure Details		
Input Connector	Dual NL4 connector	Dual NL4 connector
Pin Outs	1+/1- Sub. 2+/2- N/C	1+/1- Sub. 2+/2- N/C
Enclosure Material	18 mm Baltic birch plywood	18 mm Baltic birch plywood
Attachment Points	16x threaded M10 inserts	16x threaded M10 inserts
Grille	16 Gauge powder coated steel	16 Gauge powder coated steel
Dimensions (HxWxD)	22.1" x 27.6" x 30.3" (561 x 701 x 770 mm)	20" x 27.6" x 30.3" (508 x 1198 x 762 mm)
Net Weight	111 lb (50.3 kg)	191 lb (87 kg)
Shipping Weight	121 lb (54.9 kg)	209 lb (95 kg)

As part of QSC's ongoing commitment to product development, specifications are subject to change without notice.

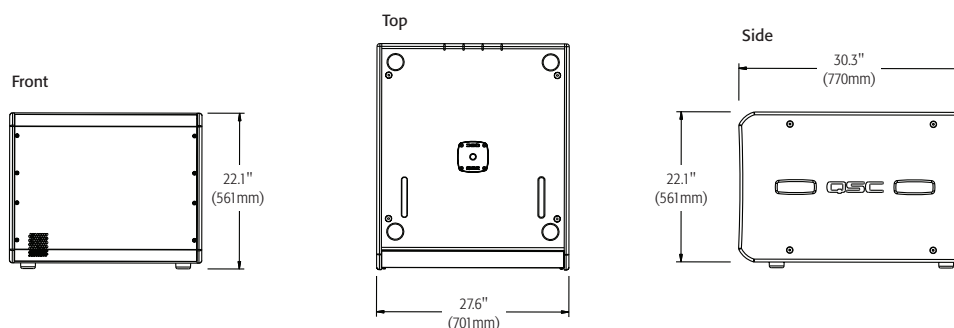
<sup>1</sup> 2 hour rating using IEC 60268 noise based on minimum impedance

<sup>2</sup> Mid-band based on nominal impedance

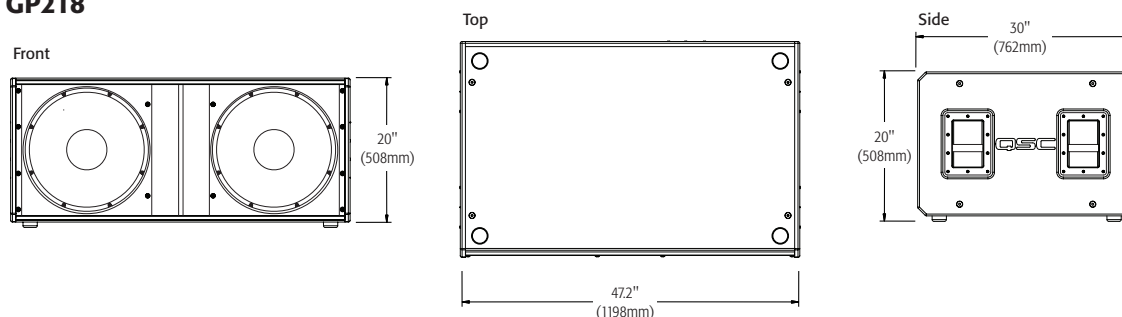
<sup>3</sup> Calculated as the nominal sensitivity plus 10x the log of continuous rated power in volts squared, divided by nominal impedance

<sup>4</sup> Calculated as the continuous calculated max. output plus 6 dB

### GP118



### GP218



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GP118 | GP218 Spec Sheet 3/27/2013