

CL118S

High-Power 400-Watt, 8 Ω Subwoofer System with 18" Low-Frequency Transducer



Features

- Professional sound reinforcement subwoofer system designed for a variety of fixed installation applications
- Exceptional sound quality with ultra-low frequency extension and linear response
- 400-Watt 18" low-frequency transducer provide deep bass for medium to large sized rooms
- By-passable internal passive crossover for use with full range input signal
- Dual professional speaker connectors (compatible with Neutrik Speakon connectors) and 4-position terminal strip
- Internally braced and acoustically inert rectangle birch plywood enclosure ideal for cluster applications
- Multiple threaded inserts for flexible and secure installation
- Powder coated steel grille wrapped with acoustically transparent fabric and foam matching black cabinet color
- High-quality components and exceptionally rugged construction ensure long life

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Product Overview

Technical Specifications

The EUROCOM CL118S is a professional high-performance ultra-low-frequency subwoofer system that is ideal for a wide variety of fixed installation applications. Compact yet powerful, the CL118S features clean lines and a unique fabric-finished wrap-around grille for a refined appearance that complements even the most elegant rooms. The modular design allows deployment individually, in pairs, or in larger low-frequency arrays, making it easy to tailor systems to the specific requirements of the venue. Delivering deep, powerful lows in mid-to-large-sized spaces, the CL118S is perfect for theaters and auditoria, performing arts centers, clubs and discotheques, houses of worship, themed entertainment, and sporting arenas and stadiums.

The CL118S is housed in a rectangular enclosure of acoustically inert high-quality laminated Baltic birch plywood. Internal steel bracing enhances the cabinet's natural rigidity and provides a set of integrated threaded mounting-point inserts. A rated load factor of at least 10 times overall cabinet weight makes the CL118S an exceptionally safe choice for flown installation.

The CL118S achieves fully professional performance and reliability with newly-designed components whose frequency response, sensitivity, and power handling are all custom tailored for CL Series loudspeakers. BEHRINGER maintains complete control over quality and sonic character by manufacturing all CL Series components—starting with the pulp used for cone fabrication—in our own factories.

Featuring an 18" woofer with 400 W long-term power handling, the CL118S accurately reproduces even the most demanding low-end material for a clean, full sound. A built-in passive crossover maximizes flexibility by band-splitting the output of a single amplifier channel to power both the CL118S and a full-range loudspeaker.

Every aspect of the CL118S has been thought through to maximize value and convenience for both the installer and the end user. The result is an attractive, durable subwoofer system that delivers deep, satisfying low-end for any installation application.

• Frequency range (-10 dB)	29 Hz - 200 Hz
• Frequency response (±3 dB)	32 Hz - 130 Hz
• Sensitivity (1 W @ 1 m passive)	99 dB (half space)
• Crossover modes	Bypassable
• Crossover frequency	200 Hz
• Power capacity (long term, IEC passive)	400 W RMS @ 56.6 V
• Maximum continuous SPL (passive)	125 dB @ 1 m
• Maximum peak SPL (passive)	131 dB @ 1 m
Transducers:	
• Nominal impedance	8 Ω
• Low frequency driver	18" @ 400 W
• Enclosure	Rectangle, laminated birch plywood
• Grille	Steel
• Rigging points	16 X M10 threaded rigging points
• Termination	NL4 and 4-position terminal strip connection
• Dimensions (H x W x D)	26.6 x 21.7 x 22.1" / 676 x 550 x 561 mm
• Weight	86 lbs / 39 kg



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Architect's and Engineer's Specifications

The loudspeaker shall be a professional fixed-installation subwoofer system in a steel-braced plywood enclosure with an 18" / 456 mm low-frequency cone transducer.

Driver for the subwoofer system shall be a single 18" / 456 mm direct-radiating cone transducer.

Enclosure for the subwoofer system shall be constructed of laminated birch plywood that is internally braced with steel. The enclosure shall be finished with durable, scuff-free black paint. The front of the enclosure shall be protected with a perforated grille of powder-coated structural steel behind fabric-wrapped acoustically transparent foam. The back of the enclosure shall have a recessed steel input plate for connectors.

Rigging of the subwoofer system shall be with 16 M10 threaded rigging points fitted to the exterior.

Connections to the subwoofer system shall include the following:

- Two NL4 connectors, wired in parallel as band-limited input to the passive crossover
- One 4-position terminal strip with captive wire clamps and removable plastic cover, with IN terminals wired in parallel to OUT terminals and to the NL4 connectors
- Crossover bypass as a detachable connector on the crossover PCB, allowing direct connection to each driver

Performance criteria met by the subwoofer system shall include:

- Nominal impedance of 8 Ω
- Sensitivity (1 W/1 m passive, half-space) of 99 dB
- Usable frequency range (-10 dB) of 35 Hz – 280 Hz
- Frequency response (± 3 dB) of 45 Hz – 150 kHz
- Power Handling (IEC268-5, passive) of 400 W RMS @ 56.6 V
- Maximum SPL (1 m, passive) of 125 dB continuous and 131 dB peak

Physical characteristics of the subwoofer system shall be:

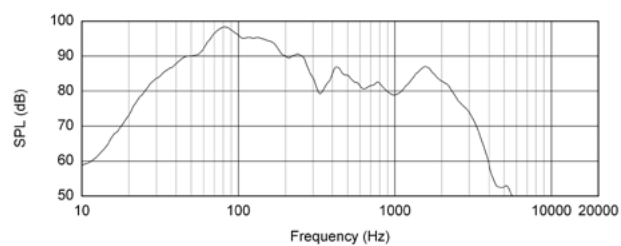
- Height x Width x Depth of 26.6 x 21.7 x 22.1" / 676 x 550 x 561 mm
- Net weight of not more than 88.7 lbs / 40.3 kg

The subwoofer system shall be the BEHRINGER EUROCOM CL118S.

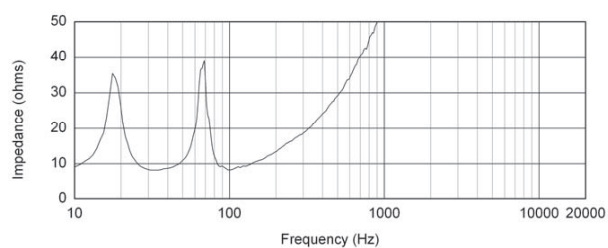
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Frequency Response, 1 W @ 1 M



Impedance VS. Frequency



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Dimensional Drawings

