



# Sub 318C

Cardioid subwoofer

The 318C is a passive high performance cardioid subwoofer. It houses three 18" long excursion neodymium transducers, two transducers in a bass-reflex design facing to the front and one transducer in a bass-reflex design radiating to the rear. The 318C is designed to deliver high quality, high impact sound reinforcement of low frequencies for a wide variety of live music and A/V support applications where maximum SPL and extended low-frequency reproduction is required. The cardioid dispersion pattern resulting from this approach avoids unwanted energy behind the system that reduces the reverberant field at low frequencies and provides the greatest accuracy of low frequency reproduction. The 318C can only be used in ground stacked configurations in conventional left/right setups as well as arranged in subwoofer array. The 318C cabinet is made of high grade Baltic birch plywood with advanced bracings inside and has impact and weather resistant finish. The front and rear of the loudspeaker cabinet is protected by a powder-coated HEX punched steel grill backed by acoustically transparent foam. Each side panel incorporates four handles. Four 100 mm wheels and two NL4 connectors are mounted at the rear.

## Specifications:

### System

Frequency Range (-10 dB):	27 Hz – 400 Hz
Frequency Response (-3 dB):	33 Hz – 300 Hz
Recommended Bandpass:	27 Hz – 125 Hz
System Input Rating:	5100 W AES, 20400 W Peak
System Sensitivity:	100 dB, 1 W
Maximum Peak Output <sup>1</sup> :	143 dB SPL, 1 m (2 $\pi$ , half-space, ground-based applications)

### Transducers

Low Frequency:	3 x 18" (460 mm) diameter, 116 mm (4.5 in) Voice Coil, Neodymium magnet
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### Nominal Impedance

Front Speakers:	4 $\Omega$
Rear Speaker:	8 $\Omega$

### Input Power Rating

Front Speakers:	3400 W AES, 13600 W peak
Rear Speaker:	1700 W AES, 6800 W peak

### Enclosure

Cabinet Construction:	Rectangular enclosure, 16mm Baltic Birch plywood with internal bracing, impact and weather protected finish, 8 handles, fully integrated stacking runners and runner guides for both horizontal and vertical stacking
Grilles:	Black powder-coated HEX punched steel grill backed by an acoustically transparent foam
Input Connectors:	2x Neutrik® Speakon NL-4 wired parallel. 1 $\pm$ Front transducers, 2 $\pm$ Rear transducer
Dimensions (W x H x D):	1210 mm x 540 mm x 945 mm (1077 mm with wheels)
Net Weight:	123.4 kg
Optional Accessories:	Removable front lid, Protective cover

<sup>1</sup> Calculated maximum SPL based on rated peak power and sensitivity