

BB



Specs Sheet

BB15 | 15" Powered Subwoofer

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Compact Size, Light Weight, Easy To Transport

Tiny Footprint

Still BASSBOSS low

Excellent Output-To-Size Ratio

Description:

Big bass from an extra small, even lighter cabinet.

David Lee continues to push the envelope of design for mobile-optimized subwoofers. The BB15 subwoofer's compact size and excellent output-to-price ratio was designed for gigging DJs, home studio bass-heads, or venue owners with limited space.

A powerful, easily portable system for deep bass and superior sound quality, the BB15 offers Plug and Play usage, integrated DSP, a 2400 watt continuous amplifier, and a compact, lightweight design. At only 21" x 17" x 24" and 70 lbs, it produces very deep bass for its size, with frequency response to 40 Hz \pm 3 dB, bringing alive notes that mass-market subs simply can't reproduce.

For DJs and venues seeking extremely deep bass at moderately high levels in tight spaces, the BB15 is the smallest, lightest and most cost-effective solution available. Suitable for the truly bass-insatiable, whose focus is on modern music that features frequencies from 40-50Hz at up to 130dB, this extremely compact sub weighs only 70 lbs.

The BB15 is a single 15-inch direct-radiating subwoofer. Featuring a long excursion, 15-inch woofer loaded into a vented enclosure that is tuned to optimize low frequency output using a very large port. The amplifier is loaded at the interior port end to utilize the air flow at high output for additional cooling. The cabinet was designed to minimize materials, cost and weight and maximize efficiency.

It includes a 2400W RMS amplifier, rated for RMS output using continuous sine wave signal. This is not a peak or burst power rating. The amplifier is capable of delivering 2400W of continuous output, ensuring that the amp isn't the limiting factor in the output of low frequencies. Providing abundant power also virtually eliminates the possibility of overheating and damage to the woofers caused by clipping.

All that electrical power is converted into acoustical power by a 15 inch neodymium motor woofer. This premium-quality driver features a copper-winding voice coil. High-intensity Neodymium magnets are lighter and provide higher efficiency so the result is a lighter and louder cabinet.

Integrated, comprehensive DSP is included. Processing includes high-pass and low-pass filters as well as multiple protection systems and limiters to control all manners of driver overload, including thermal, excursion and clipping. The protection systems effectively prevent overheating of the voice coils and minimize long-term thermal compression while having virtually no effect on the transient response and peak output of the loudspeaker.

The cabinets are constructed from 15mm multi-ply Birch laminate, assembled using dado joints, screws and advanced composite adhesives. Stainless steel bolts are used to secure the drivers, amplifier and pole sockets. The cabinet is finished in an extremely rugged, black polyurethane coating.

The driver is protected by a black powder-coated, perforated steel grill. The woofer cones are waterproofed so the cabinets are safe to use outdoors where they may encounter rain, in nightclubs where drinks may be spilled on them, or in dusty environments that may leave the drivers needing a thorough deep cleaning.

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SPECIFICATIONS

Acoustical

Loudspeaker Description:	Single 15" direct-radiating vented subwoofer
Frequency Response (± 3 dB):	40-105Hz
Maximum Sustained Output:	127 dB SPL, 1 meter, half-space (ground plane)
Max SPL (Peak)*:	130 dB
Nominal Dispersion ($^{\circ}$ H x $^{\circ}$ V):	Omnidirectional (360 x 360)

Electrical

Amplification:	2400W RMS Class D Amplifier
DSP:	Integrated Comprehensive DSP including High Pass, Low Pass, Phase Alignment, EQ, and Limiting
Electrical Connectors, Amplifier:	Neutrik powerCON Input (Blue) NAC3FCA, Neutrik powerCON Through (White) NAC3FCA
Electrical Connectors, Mains:	Standard US 3-pin 120V - Optional connectors may be specified at time of order
Voltage Operating Range:	90-132V AC, 50-60Hz.
Current Draw, Nominal:	3.2A @ 120 volts (typical, 1/8 max power)
Signal Input Connector:	XLR-F
Signal Output Connector:	XLR-M (pass-through only)

Physical

Cabinet Construction:	CNC machined 15mm multi-ply Birch laminate with extensive bracing and dado joinery.
Transducer (Low Frequency):	1 x 15 in. diameter (380mm) Neodymium motor woofer with 4 in. (100mm) voice coil, waterproof cone
Dimensions (HxWxD):	20.5 in (521mm) x 17 in (430mm) x 24 in (610mm)
Net Weight:	70 lbs
Shipping Weight:	83 lbs
Exterior Finish:	Rugged, weatherproof, textured, bonded high-pressure black polyurea coating
Grill:	Perforated, powder-coated steel
Handles:	2 Integrated Handles

Optional

Covers:	Available fitted, padded nylon covers
Casters:	4 Casters and hardware to attach to the rear of the cabinet.
Online Information:	bassboss.com/bb15

*Peak output is calculated using "industry standard" techniques. These calculation methods create theoretical specifications that are inflated over what can actually be achieved. BASSBOSS real world output specifications are provided as "Maximum Sustained Output" ratings, which reflect actual measured, continuous output levels.

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