technical specifications BF151mkII

general

- High-output, direct-radiating 15” subwoofer system
- Extended-excursion vented-spider 15” woofer
- Optimal drive performance with ALC amplified loudspeaker controller
- SIS™ pre-wired for very high damping and further reduced distortion
- Low impedance for efficient amplifier loading
- Front-positioned NL4 connector for easy cardioid connection

description

The BF151 is a high-performance subwoofer system, delivering tight and accurate bass response with very low distortion. It features a single 15” long-excursion woofer, with vented double-spider frame and 4” voice-coil in bass-reflex configuration.

The direct-radiating woofer is mounted in a vented chamber, with large bass reflex port for excellent breathing capacity, increasing overall output while minimising port-compression.

The double baffle board and the combination of complex internal panel lay-out with extensive bracing brings a rigid structure with a high enclosure stiffness from a relatively low-weight package. It is finished in Durotect™ scratch-resistant coating and is fitted with 2 handles for easy logistics (road-version).

For full system performance, the BF151 is driven and controlled by the ALC amplified loudspeaker controller; Driven by the ALC, the BF151 delivers maximum sound quality and output power with long-term operation reliability. The integrated factory presets in the drive processor of the ALC offer gain, phase and filtering matching with all Alcons top systems, including cardioid projection control presets. The additional front-positioned NL4 connector caters for easy “reverse connection” in

cardioid arrays. The 4 ohms system impedance, makes for a very efficient amplifier loading.

The BF151 is SIS™ pre-wired: Through the Signal Integrity Sensing circuit of the ALC, the cable-length and connector resistance between the BF151 and ALC is dynamically compensated (system damping factor 10.000), further reducing distortion, while increasing response accuracy.

The BF151 is available in road-version and installation ("i") version, without handles, wheel dolly board and M20 threaded stand mount flange. Through the Architect Color Option™ program, the BF151 can be finished in any RAL™ color.

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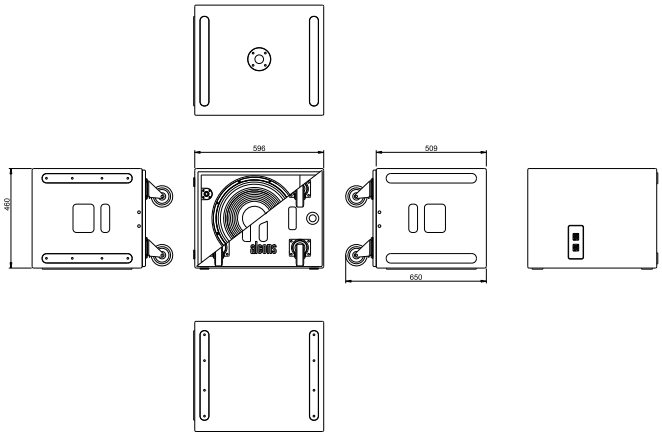
dimensional drawing



technical specifications

Frequency response	40 Hz – 300 Hz	(+/- 3 dB)
	34 Hz -	(+/-10 dB)
Sensitivity nominal	97 dB (40 – 100 Hz)	
Nominal impedance	4 ohms	
Recommended drive	Sentinel3 min.	
Nominal SPL peak	126 dB (Sentinel3 40 - 100 Hz)	
	131 dB (Sentinel10 40 - 100 Hz)	
	136 dB (comparative)	
Dispersion HxV	omni / (hyper)cardioid in array with processing	

physical specifications

System	subwoofer, front loaded	
Drivers LF	1x AW15.4/4 15", vented	
Connectors	3x Speakon NL4 input/link (2 rear, 1 front)	
Physical dimensions	mm	inches
Height	460	18.1
Width	596	23.5
Depth	509	20.0
Weight (approx.)	kg	lb
BF151	41,9	92.4 *
BF151i	35,0	77,2
Warranty	6 years limited	

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