

Key Features:

- » 29Hz LF Limit, High Power Handling, High Efficiency
- » Low Profile to fit in cramped spaces < 12in (300mm)
- » High 4000W Power handling, High Efficiency 101dB
- » Low distortion, Low thermal compression
- » Stackable, Cardioid Capable

Applications:

- » Educational Facilities
- » Houses of Worship
- » Theme Parks
- » Live Music Venues
- » Performing Arts Centers

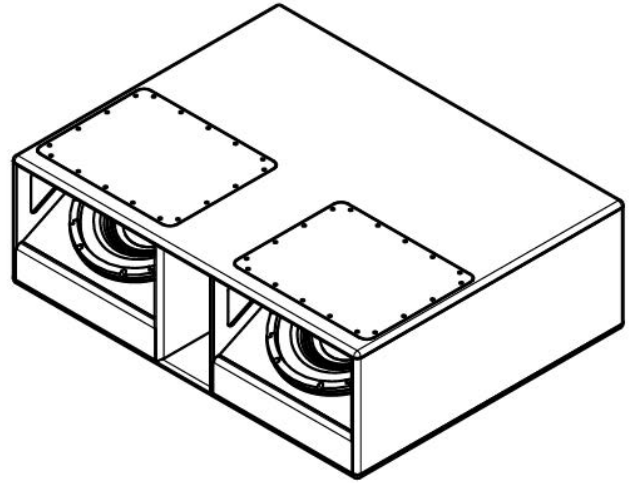
The SB212i-LO is an ultra low profile, high efficiency, high impact sub-bass loudspeaker with exceptionally high power handling. This incredibly capable sub is ideally used when an excellent sub performance is required, yes space constraints are tight. It provides high impact, high sensitivity, low thermal compression and incredibly low distortion out of a compact package, even at the highest drive levels. These combined properties deliver the characteristic RMS-Acoustics sonic qualities of Impact, precision, and musicality.

The SB212i-LO features two long excursion, high power handling 12" cone loudspeakers mounted in a mechanically and acoustically optimized bass reflex cabinet with laminar venting. Port turbulence is virtually eliminated, and high drive level distortion is minimized via large, flared, symmetrical laminar venting. It operates from 29 Hz to 100 Hz when used as a general ground support subwoofer.

The SB212i-LO enclosure was designed with installation in mind. The compact ultra low profile allows the SB212i-LO to fit easily under stages, up tight to ceilings, and between standard framing for flush mount installations.

The enclosure is constructed of premium birch hardwood plywood to ensure maximum acoustical and mechanical integrity. It is then coated with a weather and wear resistant textured urethane hybrid finish. Optional rigging components are weather and corrosion protected with a heat cured epoxy powder coated finish or zinc plating with passivation.

The optimum processed loudspeaker solution for the RMS-Acoustics SB subwoofer family are RMS-ACOUSTICS series of processed amplifiers. Additionally, the Linea Research C and M series amplifiers, with proprietary presets provided by RMS-ACOUSTICS are supported.



System Specifications:

SYSTEM:		
Frequency Range (-10dB) ^1	29Hz - 150 Hz	
Frequency Response (+/-3dB)	36 Hz - 150 Hz	
System Sensitivity (1w, 1m)^2	101dB	Measured on LF band, average SPL over 100 to 1 kHz region. HF Sensitivity significantly higher
Maximum SPL Continuous (1m)	130dB	
Maximum SPL Peak (1m)	136dB	
Long Term Power Rating (IEC)^3	LF	1600W, 3200W, 6400W (Continuous, Program, Peak)
Long Term Power Rating (AES)^4	LF	2000W (4000W Peak), 2 hrs, 800W 100Hr
Maximum Input Voltage	LF	89.5 V RMS (2 hrs), 127 V Peak
Nominal Coverage Pattern		Omni directional, variable directivity with cardioid presets and custom modification
System Crossover		Proprietary DSP via RMS-ACOUSTICS and Linea Research processing platform
Specifications	SPKR-15-0007	LF Driver - 12" low frequency cone loudspeaker with 4" voice coil, shorting ring and high performance convective cooling technology
Impedance	LF	4 Ohm, speakers internally wired in parallel 1+ 1-
PHYSICAL:		
Input Connectors		Dual Neutrik NL4MP Connectors, w jump and pass thru
Enclosure Materials		18 mm Birch Hardwood Ply 1.3mm layers
Grille Materials		None
Finishes		Black finish (Standard) Polurethane textured spray Additional Finishes available - See Options Below
Suspension and Mounting		Optional Proprietary internal, captive rigging
Flown Array Maximum		Custom Cardioid Array configurations possible, contact sales to inquire regarding design
Rigging Hardware		3/8-16 Internal Flyware Standard, optional M10 Optional vertical side mounting dependent on array configuration, call for quote
Dimensions		36.2" w x 28.0" d x 11.7" h (920mm x 712 mm x 298 mm) 11.5" h (293 mm) no feet
Weight		115 Lbs (52.3 kg) Net Shipping weight 125 Lb 56.8 kg
Finish Options		-W (White), -C (Custom Color) Upcharges apply
Optional Accessories		

Free field, semi anechoic conditions. To compare with half space measurements, add 6dB to maximum output specifications.

1. Full Space, 4pi conditions

2. Measured Maximum SPL, based on power compression observation of 3dB

3. IEC Shaped pink noise with 6dB Crest Factor

4. AES Standard AES2-2012, one decade pink noise with 6dB Crest factor within device's applicable operating band, free air. Standard AES 2 hr rating are specific for low frequency transducers.