GSB8

8” In-Ground Subwoofer



OVERVIEW

The **JBL GSB8** in-ground 8-inch landscape subwoofer augments the low-frequency performance of JBL GSF full-range landscape speakers to provide rich, full-range sound in lawn and garden areas of hospitality, corporate and retail spaces.

The **GSB8** focuses on fidelity, with true subwoofer extension down to 35 Hz and a steep, multiple-slope lowpass filter for superior sound. Its premium-grade, 100-watt subwoofer-band transformer allows use in 70V/100V systems or can be connected for low-impedance direct operation. The GSB8 is UL Listed per UL1480A.

This sleek, ultra-low-profile speaker—winner of the intermnational awards for industrial design excellence—installs underground, with only the audio port visible. It’s designed to withstand the elements: Its chamber is oriented directly below the audio port to prevent accidental damage from landscaping, which can be a problem with side-located chambers. Grab handles allow easy installation and tabs secure the subwoofer to blocks or anchors.

Add the **GSB8** to landscape areas of hotels, shopping complexes, restaurants, public spaces, theme parks or any application that demands legendary JBL sound with deep, rich, powerful bass.

FEATURES

Transducer: 8" polypropylene driver with1.5” voice coil on Kapton™ former

Subwoofer performance down to 35 Hz

Power Handling: 250W (continuous pink noise, 2 hrs)

Agency Listed: UL1480A

Passive Low-Pass: Built-in steep, multiple-slope lowpass filter

Low-Z / High-Z: Low-impedance direct operation, plus premium-grade subwoofer-band transformer for use in 70V/100V systems

System: Forms a complete system with JBL GSF full-range landscape speakers

Protection: Chamber located directly below port cap to prevent accidental damage from landscaping

Colors: Available with green or tan port caps to fit a wide variety of landscapes

SPECIFICATIONS

SYSTEM	
Frequency Range[1] (-10 dB):	35 Hz – 130 Hz
Frequency Range[1] (±3 dB):	43 Hz – 120 Hz
Power Rating[2]:	500 W Continuous Program (2 hrs) 250 W (1000 W Peak), Continuous Pink Noise (2 hrs) 150 W (600 W Peak), Continuous Pink Noise (100 hrs)
Maximum Input Voltage:	35 V (based on 2 hr Continuous Pink Noise rating)
Sensitivity[3]:	84 dB (43 Hz - 110 Hz)
Nominal Coverage Angle:	360° horizontal, 160° vertical (primary listening 10° to 50° up from ground).
Rated Maximum SPL[4]:	114 dB peak (108 dB continuous, 2 hr) @ 1m
Nominal Impedance:	6Ω (at 6Ω tap)
Minimum Impedance:	5.2Ω at 51Hz
Transformer Taps[5]:	70V: 120W, 60W, 30W 100V: 120W, 60W
Insertion Loss:	<0.5 dB at any tap setting
Thru Setting:	6Ω nominal
Crossover Type:	2nd order
Recommended Protective High-Pass:	35 Hz for 6Ω operation, 35 Hz for 30W tap, 45 Hz for 60W tap, 55 Hz for 120W tap. 24 dB/oct
TRANSDUCER	
Driver:	209 mm (8-inch) driver, polypropylene injection cone, TPV thermoplastic vulcanizate surround, 38 mm (1.5-inch) voice coil on Kapton former.
PHYSICAL	
Enclosure Material:	LDPE Polyethylene plastic, 6 mm minimum wall thickness, color throughout.
Grille:	Powder coated stainless steel
Environmental:	IP-66 rating per IEC529 (dust protected and protected against strong jets of water). Exceeds MilSpec 810 for humidity, salt spray, temperature, & UV. Passes Mil-Std-202F for salt spray.
Agency Ratings:	Speaker listed per UL1480A. Compliant with IEC62368-1. ROHS.
Terminals:	Bare wire with dielectric-gel-filled wire nuts (1meter single jacked cable 7wires with 14 AWG)
Colors:	Hunter Green (RAL 6018) or Tan (RAL7004)
Dimension (H X D):	768 mm height x 311 mm diameter (30.1 x 12.2 in)
Net Weight:	9.3 kg (20.5 lbs)
Shipping Weight:	11.8 kg (26.0 lbs) per carton (1 speaker per carton)
Included Accessories:	(7) gel-filled wire nuts
SKU Numbers:	JBL-GSB8-GN (green), JBL-GSB8-TN (tan)

1 Half-space, 2π loading (in-ground recessed).

2 Continuous Pink Noise rating is IEC spectrum, with 6 dB crest factor. Continuous program power is defined as 3 dB above the Continuous Pink Noise Rating. In 6 ohm mode.

3 Half-space, 2π loading (in-ground recessed), 360° horizontal, vertical averaged 10 to 50 degrees from ground.

4 6 ohm mode, calculated from sensitivity and power handling, exclusive of power compression.

5 Transformer Tap power ratings based on max power draw at stated voltage with typical low-pass filter (203 Hz) and high-pass filter from the Recommended Protective High-Pass listings (UL1480A tested frequency ranges: 30W tap tested 35 Hz to 203 Hz, 60W tap tested 45 Hz to 203 Hz, 120W tap tested 55 Hz to 203 Hz).

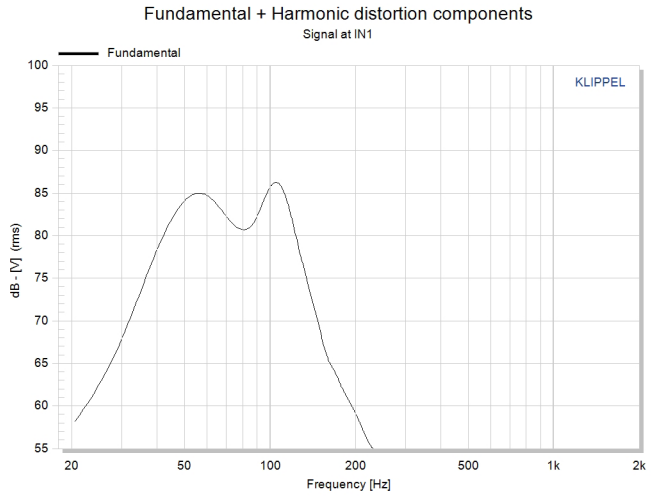
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GSB8

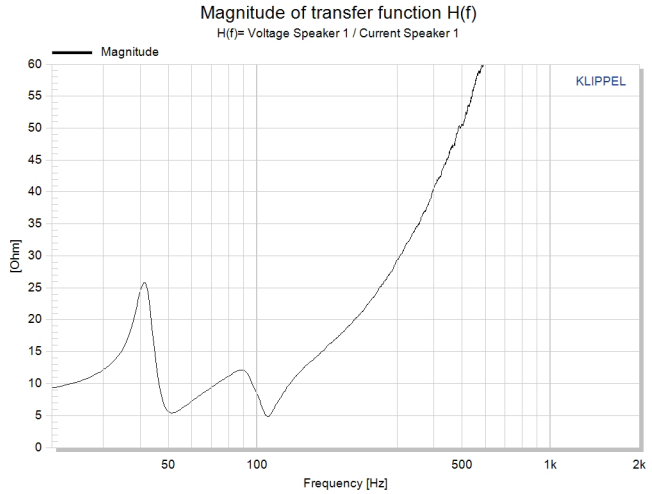
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Frequency Response:

In half-space (2π, in-ground).



Impedance:



Dimensional Drawing:



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