

# 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.

This sleek, ultra-low-profile speaker—winner of the RedDot international design award 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

**Transducers:** 200 mm (8") polypropylene driver, 25mm (1") voice coil on aluminum former

**True subwoofer performance** down to 35 Hz

Built-in steep, multiple-slope **lowpass filter**

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

**Forms complete system** with JBL GSF full-range landscape speakers

**Chamber oriented** directly below opening to prevent accidental damage from landscaping

**Grab handles** allow easy installation

**Anchor points** for securing cabinet to block or anchors

**Available in hunter green or tan** finishes to fit a wide variety of landscapes

**Dimensions:** 309 x 774 mm (12 x 31 in) (Diameter x H)

**UL 1480A listed**

## SPECIFICATIONS

SYSTEM	
Frequency Range (-10 dB):	35 Hz – 130 Hz
Frequency Range (±3 dB):	43 Hz – 120 Hz
Power Rating <sup>1</sup> :	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:	34 V (based on 2 hr Continuous Pink Noise rating)
Sensitivity <sup>2</sup> :	85 dB (ave. 40 Hz – 105 Hz)
Nominal Coverage Angle:	360° horizontal, 160° vertical (primary listening 10° to 50° up from ground).
Rated Maximum SPL <sup>3</sup> :	115 dB peak (109 dB continuous, 2 hr) @ 1m
Nominal Impedance:	6Ω (at 6Ω tap)
Minimum Impedance:	5.0Ω at 52Hz
Transformer Taps:	70V: 100 W, 50 W, 25 W 100V: 100 W, 50 W
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 and for all tap settings, 24 dB/oct
TRANSDUCER	
Driver:	200 mm (8-inch) driver, polypropylene injection cone, TPV thermoplastic vulcanizate surround, 50 mm (2-inch) voice coil on glass fiber 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:	UL1480A Speakers for Commercial and Professional Use, for outdoor wet locations; CSA C22.2 No. 205-12, Signal Equipment. Transformer UL Recognized per UL1876, ROHS compliant.
Terminals:	Bare wire with dielectric-gel-filled wire nuts (1meter single jacketed 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)
Included Accessories:	(7) gel-filled wire nuts
SKU Numbers:	JBL-GSB8-GN (green), JBL-GSB8-TN (tan)

<sup>1</sup> Continuous Pink Noise rating 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.

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

<sup>3</sup> 6 ohm mode, calculated from sensitivity and power handling, exclusive of power compression.

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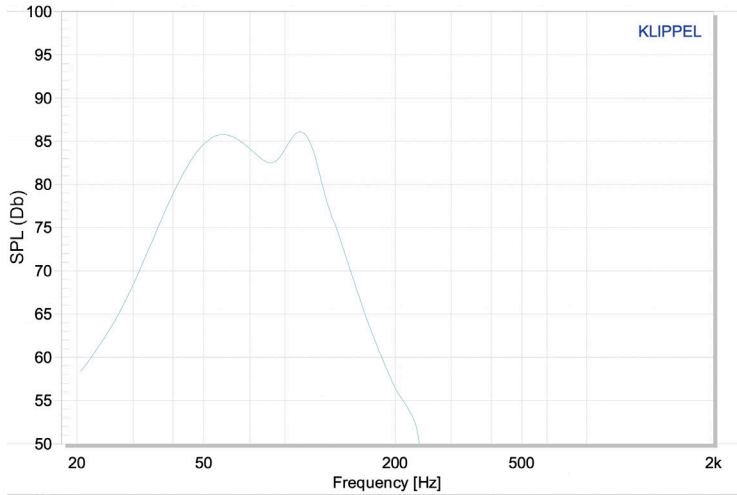
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## Frequency Response:

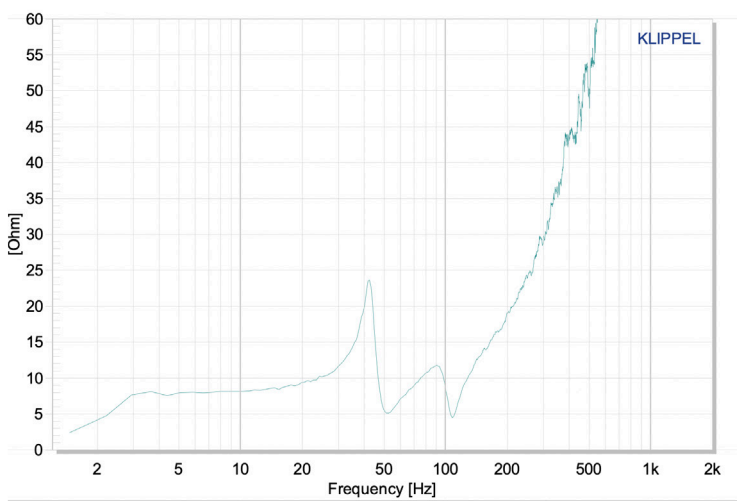
In half-space ( $2\pi$ , in-ground).



## Dimensional Drawing:



## Impedance:



HARMAN Professional 8500 Balboa Blvd. Northridge, CA 91329 USA

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