

# 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 international 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

**Transducers:** 209 mm (8") polypropylene driver, 38mm (1.5") voice coil on Kapton™ former

**True subwoofer performance** down to 35 Hz

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

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:** 768 mm height x 311 mm diameter (30.1 x 12.2 in)

## SPECIFICATIONS

SYSTEM	
Frequency Range <sup>1</sup> (-10 dB):	35 Hz – 130 Hz
Frequency Range <sup>1</sup> (±3 dB):	43 Hz – 120 Hz
Power Rating <sup>2</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:	35 V (based on 2 hr Continuous Pink Noise rating)
Sensitivity <sup>3</sup> :	84 dB (43 Hz - 110 Hz)
Nominal Coverage Angle:	360° horizontal, 160° vertical (primary listening 10° to 50° up from ground).
Rated Maximum SPL <sup>4</sup> :	114 dB peak (108 dB continuous, 2 hr) @ 1m
Nominal Impedance:	6Ω (at 6Ω tap)
Minimum Impedance:	5.2Ω at 51Hz
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:	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:	Transformer UL Recognized per UL1876, ROHS compliant.
Terminals:	Bare wire with dielectric-gel-filled wire nuts (1meter single jacked cable 7wires with 14 AWG)
Colors:	Pine Green RAL 6028, or Beige Grey RAL 7006
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.

JBL continually engages in research related to product improvement. Some materials, production methods, and design refinements are introduced into existing products without notice as a routine expression of that philosophy. For this reason, any current JBL product may differ in some respect from its published description, but will always equal or exceed the original design specifications unless otherwise stated.

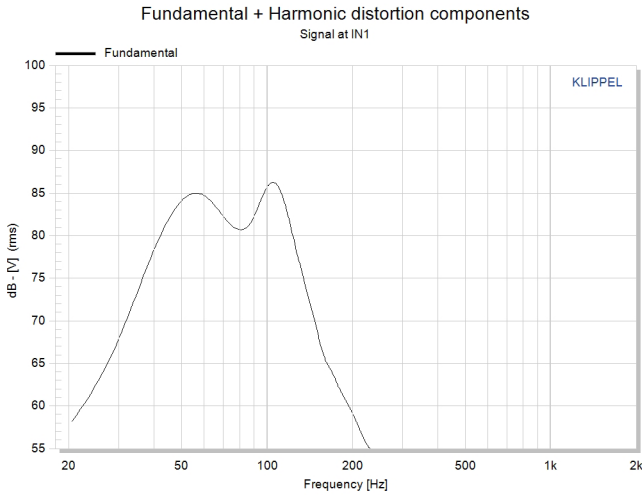
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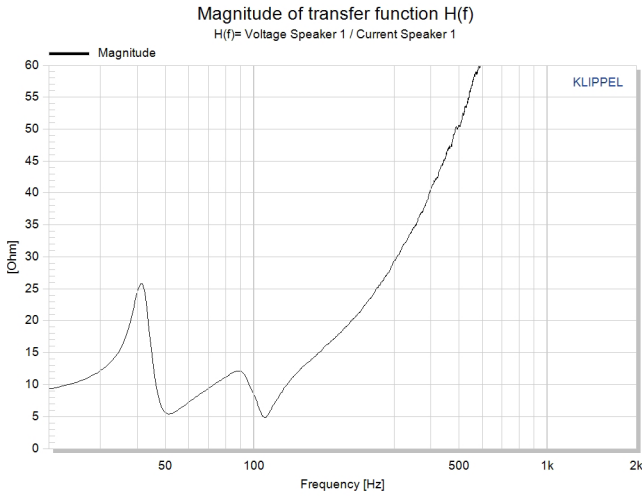


## Frequency Response:

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



## Impedance:



## Dimensional Drawing:



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