



# ASB7118

Ultra Long Excursion  
High Power  
Single 18" Subwoofer

## Professional Series

### Key Features:

- ▶ 2269H 18" Differential Drive® dual voice coil dual gap, neodymium magnet transducer
- ▶ 2000 watts continuous pink noise, 8000W watts peak power handling capacity
- ▶ Ultra Long Excursion
- ▶ Large vent area for high output with low distortion
- ▶ For ground-stacked or suspended applications in stand-alone arrays or in combination with other AE Series products

### Applications:

- ▶ Performing Arts Facilities
- ▶ Theatrical Sound Design
- ▶ Auditoriums
- ▶ Worship Facilities
- ▶ Live Clubs
- ▶ Dance Clubs
- ▶ Sports Facilities
- ▶ Themed Entertainment Venues

The ASB7118 is a high power, lightweight front-loaded vented subwoofer enclosure housing JBL's exclusive 2269H Ultra Long Excursion 18" Differential Drive® woofer. This woofer features neodymium magnet, dual voice coils and dual gaps, JBL's exclusive Vented Gap Cooling™ and ultra robust composite cone for high excursion and extra long life. Woofer is capable of a peak-to-peak maximum excursion of 89 mm (3.5").

The enclosure is constructed of multiply hardwood coated in JBL's rugged DuraFlex™ finish and is heavily braced to maximize low-frequency performance. The rectangular enclosure is fitted with sixteen M10 threaded attachment points and utilizes a 14-gauge steel grille internally lined with acoustically transparent foam to provide additional driver protection and give a very professional appearance.

The ASB7118 is part of JBL's AE Series, a versatile family of loudspeakers intended for a wide variety of applications.



### Specifications:

#### System:

|                                              |                                                   |
|----------------------------------------------|---------------------------------------------------|
| Frequency Range (-10 dB):                    | 22 Hz - 1 kHz                                     |
| Frequency Response ( $\pm 3$ dB):            | 34 Hz - 1 kHz                                     |
| Transducer Power Rating <sup>1</sup> :       | 2000 W (8000 W peak), 2 hrs                       |
| Long-Term System Power Rating <sup>2</sup> : | 1200 W (4800 W peak), 100 hrs.                    |
| Maximum SPL (1m) <sup>3</sup> :              | 25 Hz - 200 Hz: 129 dB-SPL cont av. (135 dB peak) |
| System Sensitivity <sup>4</sup> :            | 25 Hz - 200 Hz: 96 dB-SPL, 1W (2.83V) @ 1m        |
| Nominal Impedance:                           | 8 ohms                                            |

#### Transducers:

|                       |                                                                                                            |
|-----------------------|------------------------------------------------------------------------------------------------------------|
| Low Frequency Driver: | 1 x 2269H, 460 mm (18 in) dia., 100 mm (4 in) Dual Coil Dual Gap neodymium Differential Drive® VGC™ driver |
|-----------------------|------------------------------------------------------------------------------------------------------------|

#### Physical:

|                                                         |                                                                                                                                                                                                                                |
|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Enclosure:                                              | Rectangular cabinet, 16 mm (5/8 in) exterior grade 11-ply birch plywood                                                                                                                                                        |
| Suspension Attachment:                                  | 16 points (4 top, 4 bottom, 4 each side) M10 threaded hardware                                                                                                                                                                 |
| Finish:                                                 | Black DuraFlex™ finish. White available upon request.                                                                                                                                                                          |
| Grille:                                                 | Powder coated 14 gauge perforated steel, with acoustically transparent black foam backing.                                                                                                                                     |
| Input Connector:                                        | NL4 Neutrik Speakon® and CE-compliant covered barrier strip terminals. Barrier terminals accept up to 5.2 sq mm (10 AWG) wire or max width 9 mm (.375 in) spade lugs. Speakon in parallel with barrier strip for loop-through. |
| Environmental Specifications:                           | Mil-Std 810; IP-x3 per IEC529.                                                                                                                                                                                                 |
| Dimensions (H x W x D in vertical cabinet orientation): | 546 x 560 x 815 mm<br>(21.5 x 22.0 x 32.1 in)                                                                                                                                                                                  |
| Net Weight:                                             | 42.9 kg (94.5 lb)                                                                                                                                                                                                              |
| Optional Accessories:                                   | M10 x 35 mm forged shoulder eyebolts with washers.                                                                                                                                                                             |

<sup>1</sup>AES standard, one decade pink noise with 6 dB crest factor within device's operational band, free air. Standard AES 2 hr rating plus long-term 100 hr rating are specified for low-frequency transducers.

<sup>2</sup>AES standard, one decade pink noise with 6 dB crest factor, in cabinet, long-term 100 hr rating.

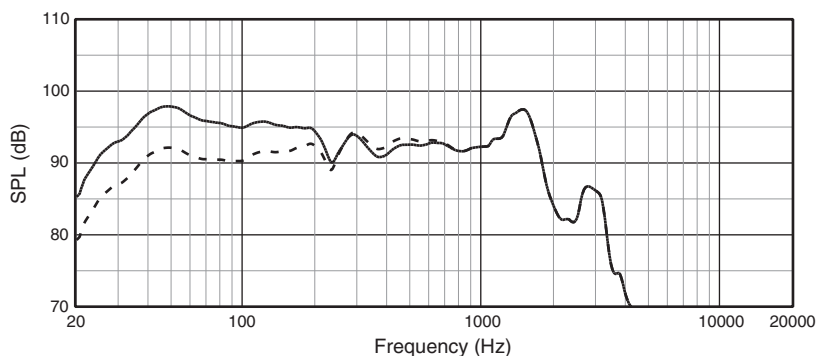
<sup>3</sup>Calculated based on power rating and half-space (2 $\pi$ ) sensitivity, exclusive of power compression.

<sup>4</sup>Half-space (2 $\pi$ ) loading, averaged in specified frequency band.

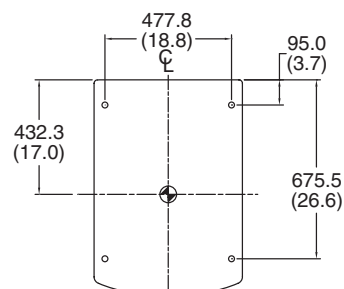
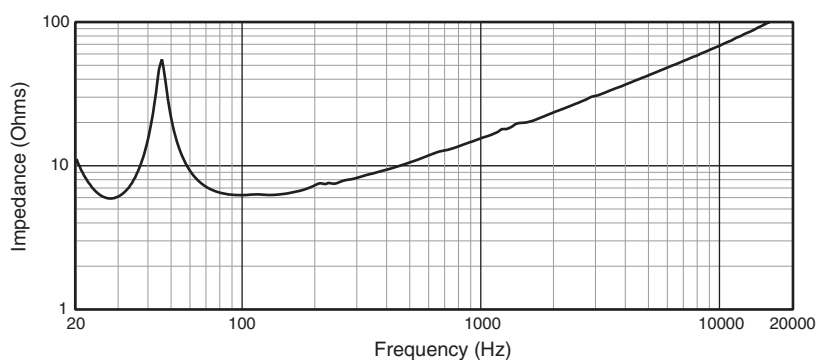
JBL continually engages in research related to product improvement. Changes introduced into existing products without notice are an expression of that philosophy.

## ▶ ASB7118 Ultra Long Excursion High Power Single 18" Subwoofer

Frequency response is measured on-axis at a distance referenced to 1 m @ 1 watt (2.83 Vrms) input, shown as half-space ( $2\pi$ , solid line) and full-space ( $4\pi$ , dotted line) environment.

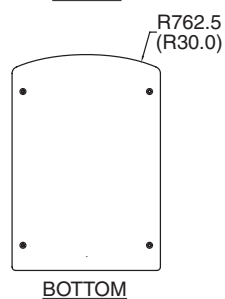
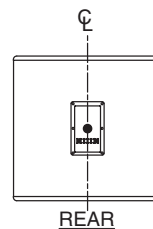
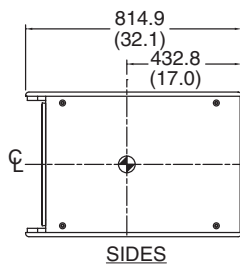
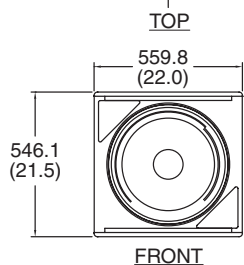


Electrical Input Impedance



Dimensions in mm (in).

For more detailed dimensional information, refer to Application Data Sheet.



JBL Professional  
8500 Balboa Boulevard, P.O. Box 2200  
Northridge, California 91329 U.S.A.

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