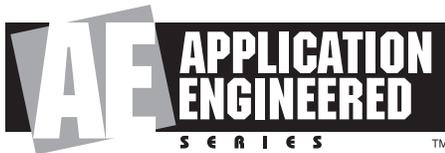




# ASH6118 Maximum Impact Horn-Loaded Subwoofer



## Key Features:

- ▶ 1 x 18" 2242H SVG™ Driver.
- ▶ Designed to be used singly or in multiples (2 minimum, 4 optimum) with proximity placement or with proper boundary surface loading.
- ▶ Maximum low frequency output & sensitivity.
- ▶ Excellent "punch" with true sub-bass extension.

## Applications:

- ▶ Performing arts facilities
- ▶ Theatrical sound design
- ▶ Auditoriums
- ▶ Houses of worship
- ▶ Live clubs
- ▶ Dance-clubs/discotheques
- ▶ Sport facilities
- ▶ Themed entertainment venues

ASH6118 is a high power horn-loaded subwoofer system comprised of one 460 mm (18 in) SVG Super Vented Gap low frequency driver. The slow-expansion internal folded horn provides maximum sensitivity, output level and subwoofer impact.

ASH6118 is part of JBL's AE Application Engineered Series, a versatile family of loudspeakers for a wide variety of applications.



## Specifications:

|   |  |
|---|--|
| <b>System:</b>  |  |
| Frequency Range (-10 dB):                                 | 1 cabinet: 25 Hz – 250 Hz<br>2 cabinets: 24 Hz – 250 Hz<br>4 cabinets: 22 Hz – 250 Hz  |
| Frequency Response (±3 dB):                               | 1 cabinet: 30 Hz – 200 Hz<br>2 cabinets: 28 Hz – 200 Hz<br>4 cabinets: 26 Hz – 200 Hz  |
| Transducer Power Rating (AES): <sup>1</sup>               | 1 cabinet: 1200 W (4800 W peak), 2 hrs, 800 W (3200 W peak), 100 hrs<br>2 cabinets: 2400 W (9600 W peak), 2 hrs, 1600 W (6400 W peak), 100 hrs<br>4 cabinets: 4800 W (19200 W peak), 2 hrs, 3200 W (12800 W peak), 100 hrs     |
| Long-Term System Power Rating: <sup>2</sup>               | 1 cabinet: 800 W (3200 W peak), 100 hrs<br>2 cabinets: 1600 W (6400 W peak), 100 hrs<br>4 cabinets: 3200 W (12800 W peak), 100 hrs   |
| Maximum SPL: <sup>3</sup>                                 | 30 Hz – 140 Hz:<br>1 cabinet: 133 dB-SPL cont avg (139 dB peak)<br>2 cabinets: 138 dB-SPL cont avg (144 dB peak)<br>4 cabinets: 144 dB-SPL cont avg (150 dB peak)  |
| System Sensitivity (dB-SPL, 1W @ 1m): <sup>4</sup>        | 30 Hz – 150 Hz:<br>1 cabinet: 102 dB<br>2 cabinets: 104 dB<br>4 cabinets: 107 dB   |
| Nominal Impedance:  | 8 ohms per cabinet   |
| <b>Transducers:</b>                                       |  |
| Low Frequency Driver:                                     | Per cabinet: 1 x JBL 2242H 460 mm (18 in) SVG™ driver with 100 mm (4 in) voice coil  |
| <b>Physical:</b>  |  |
| Enclosure:  | Rectangular cabinet, 18 mm (3/4 in) exterior grade 13-ply birch plywood  |
| Suspension Attachment:                                    | None   |
| Finish:   | Black DuralFlex™ finish. White available upon request.   |
| 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 horizontal cabinet orientation): | 564 x 1530 x 1288 mm<br>(22.3 x 56.4 x 50.7 in)  |
| Net Weight:   | 159.3 kg (351 lb)  |

<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.

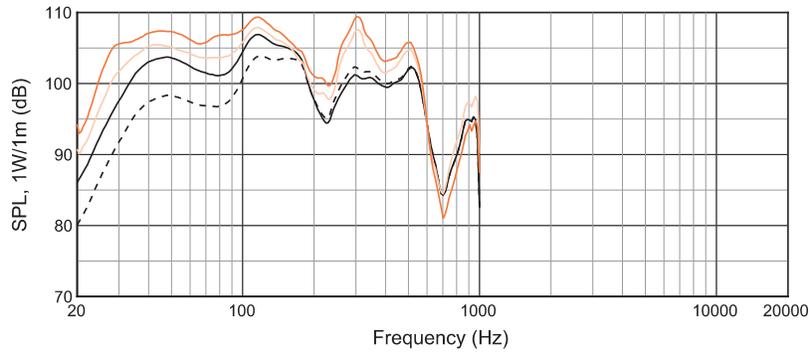
<sup>2</sup>AES standard, one decade pink noise with 6 dB crest factor, in cabinet, long-term 100 hr rating.

<sup>3</sup>Calculated based on power rating and sensitivity, exclusive of power compression.

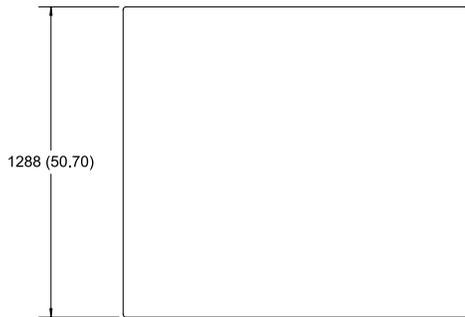
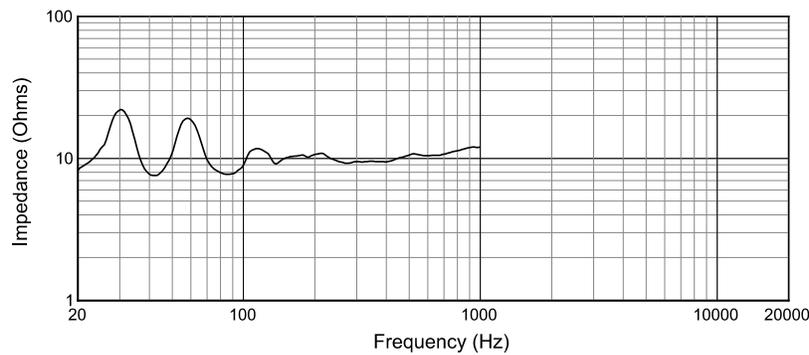
<sup>4</sup>Half-space (2π) loading, averaged in specified frequency band.

## ▶ ASH6118 Maximum Impact Horn-Loaded Subwoofer

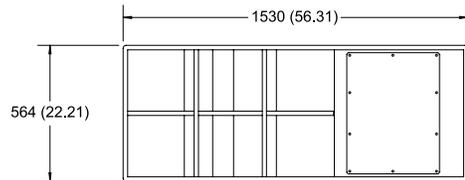
Frequency response measured on-axis at a distance referenced to 1m @ 1W total (2.83Vrms for 1 cabinet, 2.00V for 2 cabinets, 1.41V for 4 cabinets). Shown as 4 box half-space ( $2\pi$ , dark orange line), 2 box half space ( $2p$ , light orange line), 1 box half-space ( $2\pi$ , solid black line) and 1 box full-space ( $4\pi$ , dotted black line) environment.



### Electrical Input Impedance



Top



Front

Dimensions in mm (in)

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

This model is not available with WRC or WRX weather protection coatings.



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