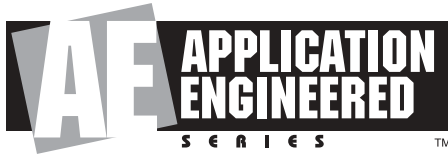




# ASH6118 Maximum Impact Horn-Loaded Subwoofer



## Key Features:

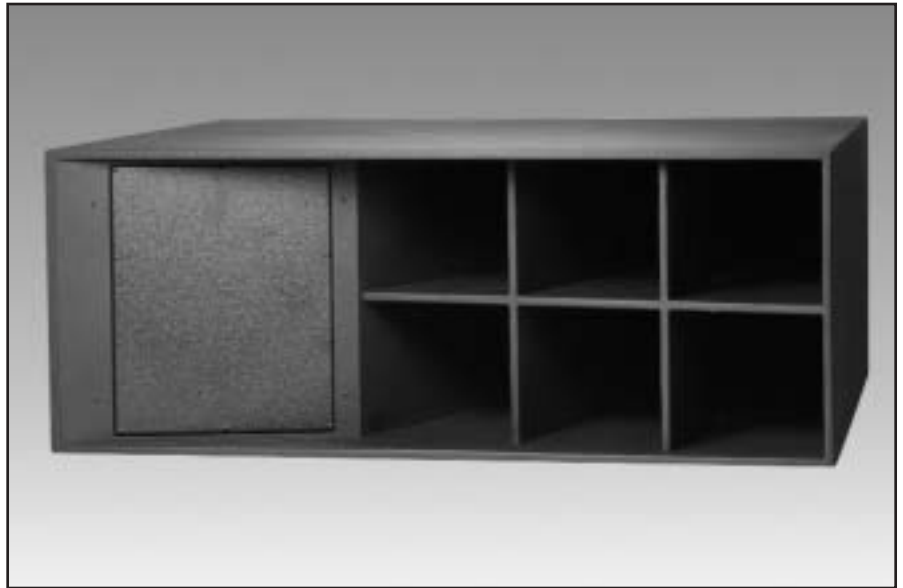
- ▶ 1 x 18" 2242H SVG™ Driver.
- ▶ Designed to be used singly or in multiples (2 minimum, 4 optimum) with proximity placement or with proper boundary surface loading.
- ▶ Maximum low frequency output & sensitivity.
- ▶ Excellent "punch" with true sub-bass extension.

## 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 2 cabinets: 24 Hz – 250 Hz 4 cabinets: 22 Hz – 250 Hz
Frequency Response (±3 dB):	1 cabinet: 30 Hz – 200 Hz 2 cabinets: 28 Hz – 200 Hz 4 cabinets: 26 Hz – 200 Hz
Transducer Power Rating (AES):	1 cabinet: 1200 W (4800 W peak), 2 hrs, 800 W (3200 W peak), 100 hrs 2 cabinets: 2400 W (9600 W peak), 2 hrs, 1600 W (6400 W peak), 100 hrs 4 cabinets: 4800 W (19200 W peak), 2 hrs, 3200 W (12800 W peak), 100 hrs
Long-Term System Power Rating:	1 cabinet: 800 W (3200 W peak), 100 hrs 2 cabinets: 1600 W (6400 W peak), 100 hrs 4 cabinets: 3200 W (12800 W peak), 100 hrs
Maximum SPL:	30 Hz – 140 Hz: 1 cabinet: 133 dB-SPL cont avg (139 dB peak) 2 cabinets: 138 dB-SPL cont avg (144 dB peak) 4 cabinets: 144 dB-SPL cont avg (150 dB peak)
System Sensitivity (dB-SPL, 1W @ 1m):	30 Hz – 150 Hz: 1 cabinet: 102 dB 2 cabinets: 104 dB 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 DuraFlex™ 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 (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.

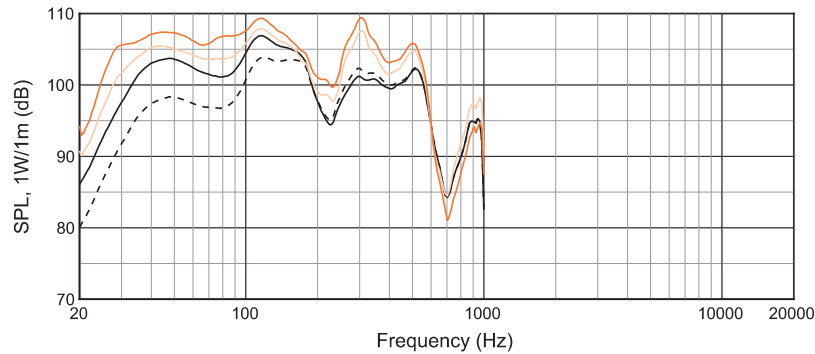
<sup>3</sup>Calculated based on power rating and sensitivity, exclusive of power compression.

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

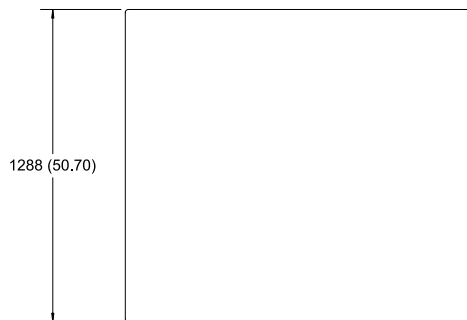
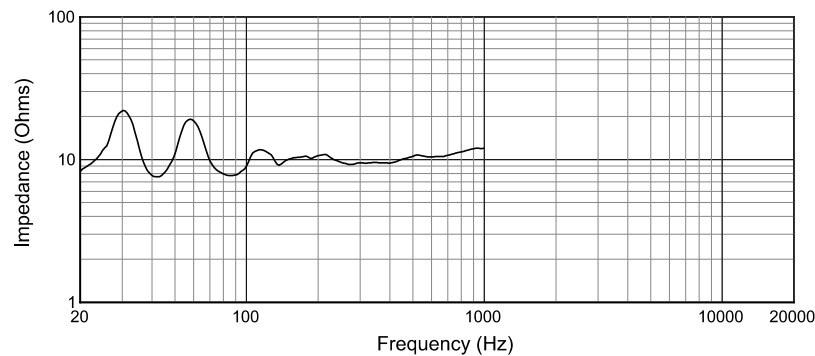
JBL continually engages in research related to product improvement. Changes introduced into existing products without notice are an expression of that philosophy.

## ▶ ASH6118 Maximum Impact Horn-Loaded Subwoofer

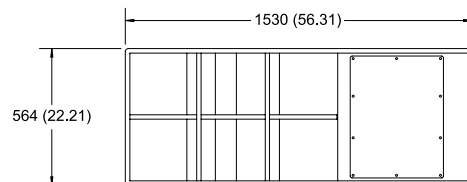
Frequency response measured on-axis at a distance referenced to 1m @ 1W total (2.83Vrms for 1 cabinet, 2.00V for 2 cabinets, 1.41V for 4 cabinets). Shown as 4 box half-space ( $2\pi$ , dark orange line), 2 box half space ( $2\pi$ , light orange line), 1 box half-space ( $2\pi$ , solid black line) and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



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