

5628

Ultra-Long-Excursion, High Power, Dual 460 mm (18 in) Cinema Subwoofer



Key Features:

- 2 x 2269H 18" Differential Drive® dual voice coil, dual gap, neodymium magnet transducers
- 2000 W AES 2-hour power rating at 4 ohms
- Ultra-long excursion capability
- Large vent area for high output with low distortion



Description:

The 5628 is a high power, lightweight, front-loaded, vented subwoofer enclosure housing two of JBL's exclusive 2269H ultra-long excursion 18" Differential Drive® woofers. The 2269H woofer features a neodymium magnet, dual voice coils, JBL's exclusive Vented Gap Cooling™ and an ultra-robust composite cone for high excursion and extra-long life. The woofer is capable of a peak-to-peak maximum excursion of 89 mm (3.5"). The enclosure is constructed of dense stock and is extensively braced on all panels.

Specifications:

System	
Frequency Range (-10 dB)	2 pi: 18 Hz – 1.63 kHz 4 pi: 19 Hz – 1.75 kHz
Frequency Response (± 3 dB)	2 pi: 24 Hz – 155 Hz 4 pi: 27 Hz – 1.5 kHz
Input Modes	Drivers, Discrete
Power Handling ² (AES 100-Hour Rating)	800 W @ 8 ohms, 1600 W @ 4 ohms (80 Vrms), IEC/pink
Power Handling ² (AES 2-Hour Rating)	1000 W @ 8 ohms, 2000 W @ 4 ohms (89 Vrms), IEC/pink
Maximum Continuous Output ³	134.5 dB SPL (1m)
Free-Field Sensitivity	95 dB (1 W/1m), ref 2.0 V
Half-Field Sensitivity	101 dB (1 W/1m), ref 2.0 V
Maximum Peak Output	140.5 dB SPL (1m)
Nominal Impedance	4 ohms (in parallel) (2x) 8 ohms in (discrete drive)
Minimum Impedance	3 ohms (in parallel) @ 27.4Hz (2x) 6 ohms (discrete drive)
Transducers	
Low Frequency Transducers	2 x 2269H; 460 mm (18 in) diameter; 100 mm (4 in) dual-coil, dual-gap neodymium Differential Drive® VGC™ drivers

Physical	
Enclosure	19 mm (0.75 in) particle board with 25 mm (1 in) baffle and back panel; extensive bracing on all panels
Input Connector	(2x) +/-Push Terminals for up to 12 AWG wire
Dimensions (H x W x D) (Vertical Cabinet Orientation)	762 x 1219 x 610 mm (30.0 x 48.0 x 24.0 in)
Net Weight	90.5 kg (199 lb)
Shipping Weight	99.5 kg (219 lb)

¹AES 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.

²Calculated based on power rating and sensitivity, exclusive of power compression.

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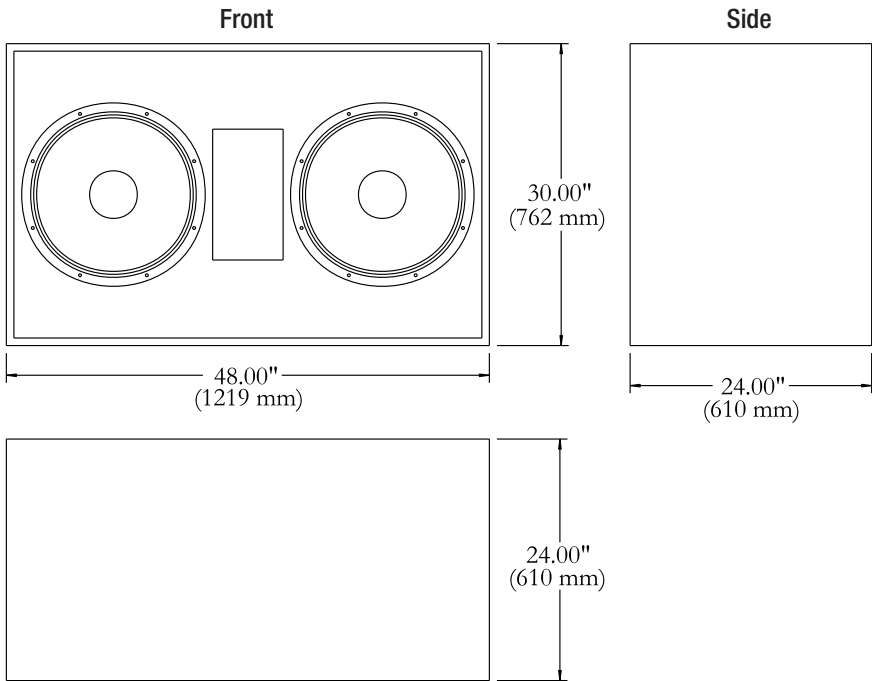
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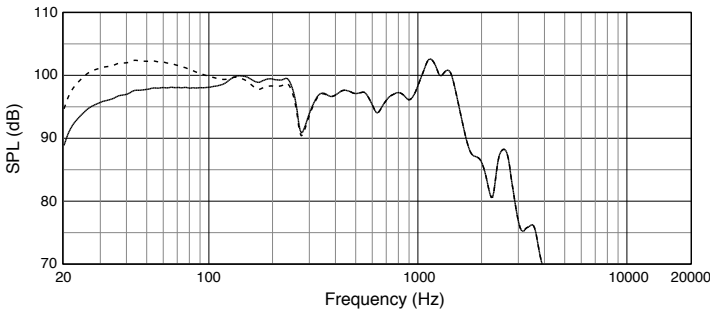
Dimensions:

Dimensions inches (mm)



Graphs:

Frequency response is measured on-axis at a distance referenced to 1 watt (2.0 Vrms) input @ 1 m; measured in half-space (2π , dotted line) and full-space (4π , solid line) environments.



Electrical Input Impedance (parallel mode)

