

SPECIFICATIONS

Loudspeaker Type:	Subwoofer
Operating Range¹:	25 Hz to 250 Hz 45 Hz to 200 Hz (±3.5 dB)
Max Input Ratings:	1600W continuous, 4000W program, 4 ohms 80 volts RMS, 179 volts momentary peak
Recommended Power Amplifier:	3330W to 4800W @ 4 ohms
Sensitivity (1W/1m)¹:	106 dB SPL (45 Hz to 200 Hz 1/3 octave bands, half space)
Maximum Output¹:	138 dB SPL / 145 dB SPL (peak)
Nominal Impedance:	4 ohms
Minimum Impedance:	3.4 ohms @ 110 Hz
Nominal -6dB Beamwidth:	360° H x 180° V
Axial Q / DI:	1/0, 45 Hz to 200 Hz
Recommended Signal Processing:	25 Hz, 24 dB/Oct high pass filter
Drivers:	LF (2) 18-inch cast-frame, vented pole
Driver Protection:	None
Input Connection:	(2) NL4-compatible locking connector 4-terminal barrier strip
Enclosure:	18mm Baltic birch enclosure with (2) heavy-duty 4-inch casters and multiple handles for easy transport
Grille:	16-gauge perforated steel, powder coated
Finish:	Black paint
Configure-to-Order Options:	Built-in front and rear seat track Built-in pole mount socket Built-in top and bottom stacking cups Custom color exterior paint finish All-weather fiberglass exterior finish
Mounting/Rigging Provisions:	None
Required Accessories:	DSP digital signal processor
Supplied Accessories:	(8) rubber feet
Optional Accessories:	None
Dimensions — Loudspeaker in vertical standing position	
Height:	45 inches (1142 mm)
Width:	22.4 inches (569 mm)
Depth:	29.8 inches (757 mm)
Weight:	198 lbs (89.8 kg)

NOTES:

- Sensitivity: Half space pink noise measurement at 6 ft (1.8 m) at 25% power; extrapolated to 1 meter and an input of 2 volts RMS.
- Watts: All wattage figures are calculated using the rated nominal impedance.



APPLICATIONS

- Sound reinforcement / portable sound systems
- Dance and music clubs, DJ systems
- Houses of worship
- Theaters and performing arts centers
- Convention centers, warehouses and factories
- Multi-use sports facilities and stadiums

FEATURES

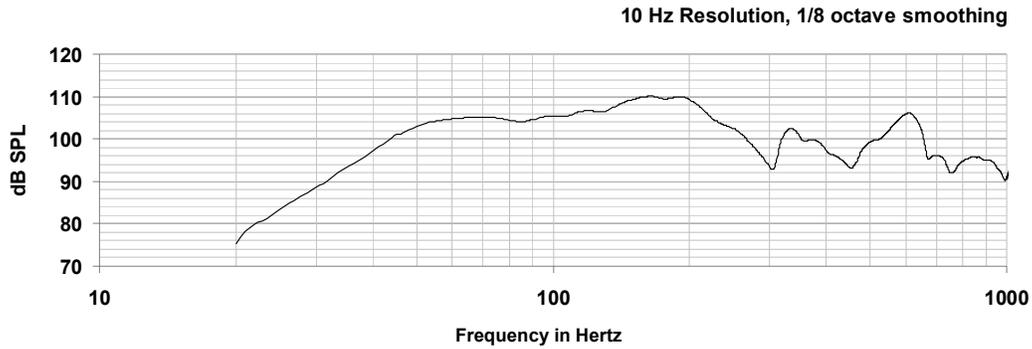
- Exceptional punch, high power and low distortion
- Active air vented pole cooling
- Independent bass ports for efficient output
- Rugged and narrow profile enclosure
- Built-in tour grade casters and corner bar grip handles
- Ergo-Grip™ pocket lifting handles and rubber feet
- Configure-to-order options include seat track, pole mount socket, stacking cups, custom colors and all-weather exterior

DESCRIPTION

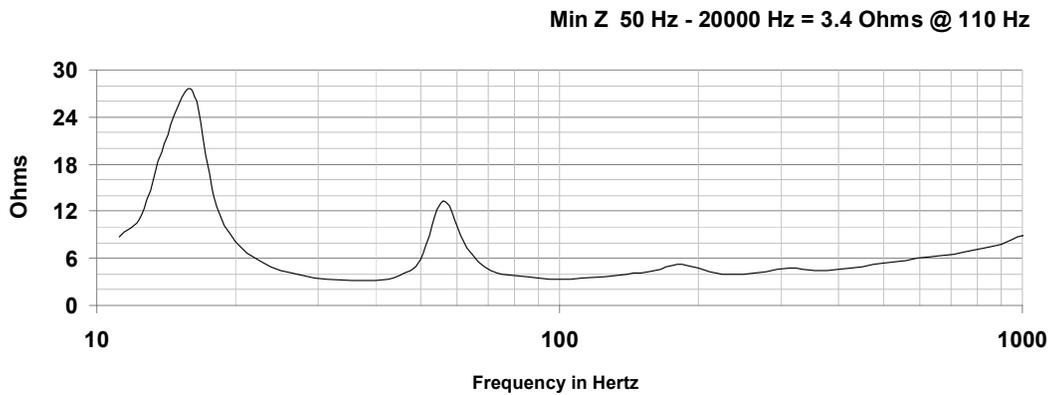
With power handling of 1600W continuous (4000W program) and sensitivity of 106 dB/W/m, the highly efficient VLF218 offers exceptional punch, high output, and low distortion. Additionally, the drivers may be configured internally to be driven by a single amp (1600W @ 4 ohms) or by dual amplifiers (800W @ 8 ohms each). The VLF218 uses a unique combination of techniques to keep voice coil temperatures low to avoid power compression that causes reduced output at higher volume levels. Using a proprietary method known as Active-Air Cooling, the motor structures of each driver are situated inside of the port where the outside moving air actively removes heat from the assembly. In addition, cone movement drives air through the vented magnet pole-piece to cool the motor structures further. BCL (Balanced Cone Loading) improves the linearity of the system by balancing the front and rear air loads. The 3rd harmonic distortion at 40V (50% power) averages less than 1.9% over its operating range and the enclosure has strong internal bracing to reduce sound energy losses from enclosure vibration.

Standard units are fully outfitted with pocket lifting handles, corner "hand truck" bar grip handles, tour-grade casters, and four rubber feet. Available configure-to-order options include top and bottom stacking cups, front and rear seat track, a pole mount socket, unfinished wood enclosure ready for painting and staining, custom exterior colors, and fiberglass covered weatherized versions.

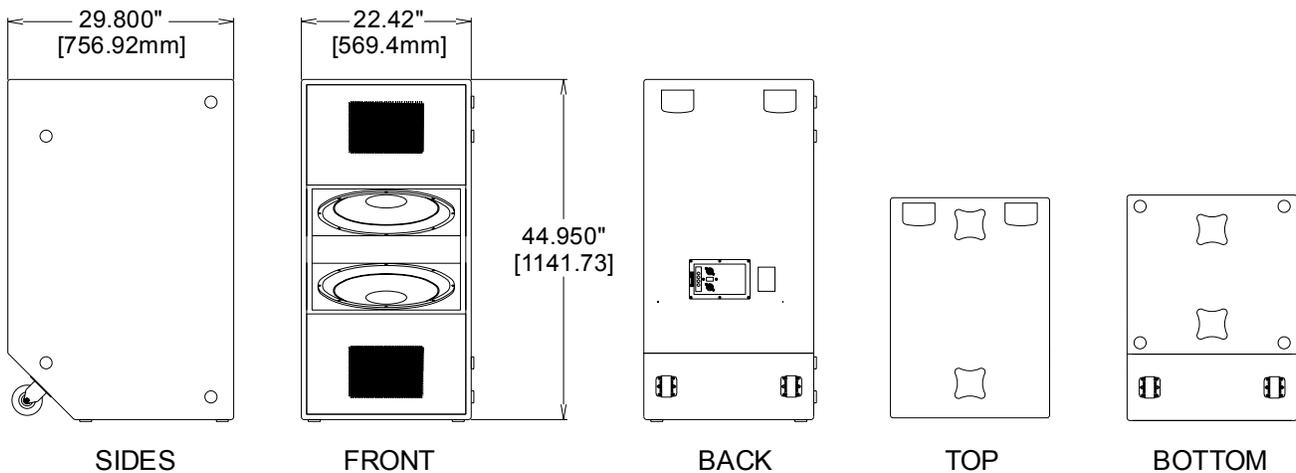
Frequency Response:



Impedance



Dimensions



Architectural Specifications

The loudspeaker system shall be a low frequency dual 18-inch driver subwoofer utilizing a balanced cone loading design. The cabinet shall be an 18mm Baltic birch plywood enclosure with a 16-gauge perforated steel grille, built-in pocket lifting handles and corner grip handles. The loudspeaker system shall have an amplitude response of 45 Hz to 200 Hz (+/-3.5 dB SPL), an input capacity of 80V RMS, 106 dB SPL sensitivity @ 2.8V / 1 meter between 45 Hz to 200 Hz at a nominal 4 ohm impedance. The nominal dispersion shall be 360° H x 180° V over its usable frequency range. The dimensions of the enclosure are defined as 45 H x 22.4 W x 29.8 D inches (1142 H x 569 W x 757 D mm) at a weight of 198 lbs (89.8 kg).

Community strives to improve its products on a continual basis. Specifications are therefore subject to change without notice.