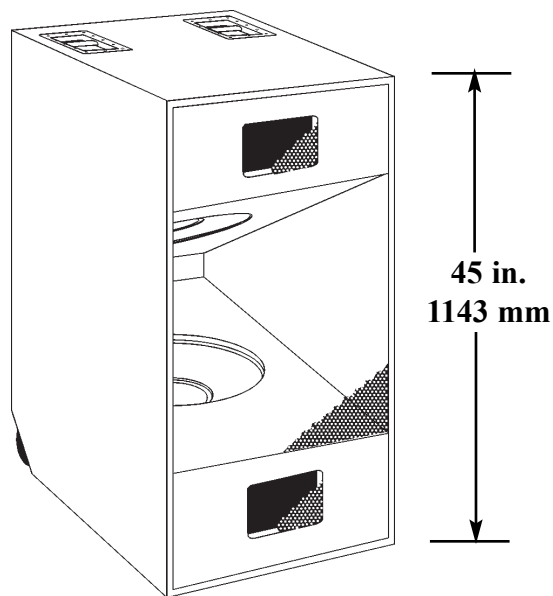


### SPECIFICATIONS (See notes 1 and 2)

- Loudspeaker Type:** Ported subwoofer
- Operating Range:** 35 Hz - 150 Hz  
40 Hz - 150 Hz (+/-3dB)
- Max Input Ratings:** 800W continuous, 2000W program  
57 volts RMS, 126 volts momentary peak
- Recommended Power Amplifier:**  
1600W to 2400W @ 4 Ohms
- Sensitivity 1W/1m:** 99dB SPL (40 Hz - 160 Hz 1/3 octave bands)
- Maximum Output:** 128 dB SPL / 135 dB SPL (peak)
- Nominal Impedance:** 4 Ohms
- Min Impedance:** 3.4 Ohms @ 36 Hz
- Nominal -6dB Beamwidth:** 360° H x 360° V
- Axial Q / DI:** 1 / 0, 40 Hz - 150 Hz
- Recommended Signal Processing:**  
100 Hz - 150 Hz electronic crossover  
25 Hz high pass filter
- Drivers:** (2) 18" cast frame, vented pole, Ferrofluid-cooled
- Driver Protection:** None
- Input Connection:** (2) Neutrik NL4MP  
(1) dual banana jack
- Controls:** None
- Enclosure:** 13-ply 18 mm Baltic birch, black Polane paint
- Enclosure Hardware:**  
(4) Steel recessed bar-handles  
(2) Heavy-duty casters
- Mounting / Rigging Provisions:**  
None
- Grille:** 16 gauge perforated steel, black powder coated
- Required Accessories:**  
Electronic crossover (100 Hz - 150 Hz)
- Supplied Accessories:**  
None
- Optional Accessories:**  
DSC52: digital speaker controller
- Dimensions:**  
Height: 45 in. / 1143 mm  
Width: 22.5 in. / 572 mm  
Depth: 29.8 in. / 757 mm
- Weight:** 178 lb. / 80.7 kg

- Sensitivity:** Free field pink noise measurement at 15 ft / 4.6 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
- Houses of Worship
- DJ Systems
- Theatres and Performing Arts Centers

### FEATURES:

- Ferrofluid-cooled, Cast Frame Drivers
- Active-Air and Vented Pole Cooling
- Independent Bass Ports for Efficient Output
- Rugged Baltic Birch Narrow Profile Enclosure
- Built-in Rear Casters and Steel Bar-Handles
- Black Paint Exterior

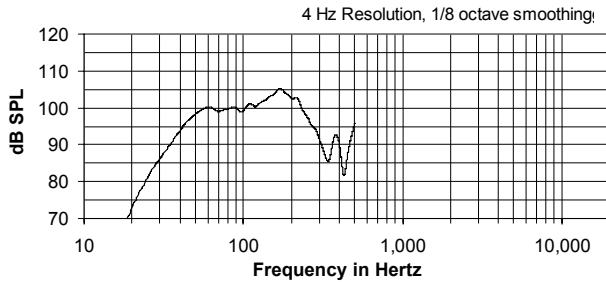
### DESCRIPTION

The VLF218 is an efficient, dual 18 inch subwoofer that can be used with any full-range loudspeaker system. It has exceptional punch, high output, and low distortion.

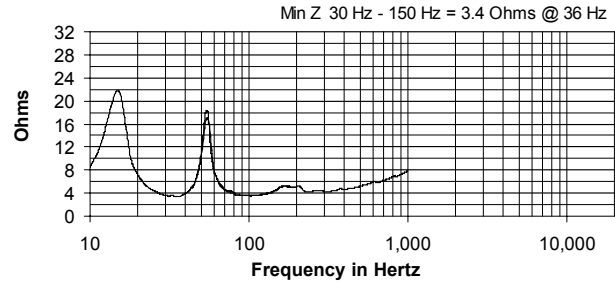
The VLF218 uses a unique combination of techniques to keep voice coil temperatures low to avoid power compression that causes reduced output at higher volume levels. Ferrofluid efficiently transfers heat from the 4 inch voice coils to the motor structures. Active-Air cooling uses the bass ports to move outside air over the motor structures of each driver. Additionally, cone movement drives air through the vented magnet pole-piece to cool the motor structures.

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. The enclosure has strong internal bracing reducing sound energy losses from enclosure vibration. There is a five year warranty.

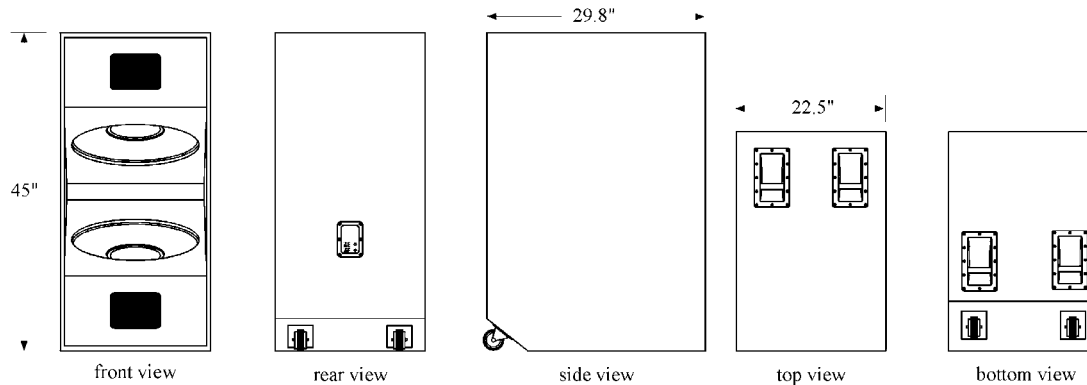
### FREQUENCY RESPONSE



### IMPEDANCE



### DIMENSIONS



### ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The loudspeaker system shall be a direct-radiating, bass-reflex subwoofer with two Ferrofluid-cooled, vented pole, cast frame 18 in. woofers. There shall be two Neutrik NL4MP and one dual banana input jacks. The loudspeaker enclosure shall be well-braced, black-painted, 18mm 13-ply Baltic birch with 16 gauge perforated steel grille material, four steel, recessed bar handles, and two integral casters. The system shall have an amplitude response of 40 Hz to 160 Hz dB (+/- 3 dB), input capability of 57V RMS, 99 dB sensitivity at one meter at 2V RMS / 4 ohms, nominal impedance. The loudspeaker shall be 45 in. (1143 mm) H x 22.5 in. (572 mm) W x 29.8 in. (757 mm) D and weigh 178 lbs. (80.8 kg).