



Applications

- ◆ Theatre / Auditoria
- ◆ Houses of Worship
- ◆ Dance Clubs / Discotheques
- ◆ Installed Live Sound Reinforcement
- ◆ Multi-Use Sports Facilities & Stadiums

Features

- ◆ (2) 18" (380mm) LF Device
- ◆ Active-Air Vented Pole Cooling
- ◆ Independent Bass Ports for Efficient Output
- ◆ Rugged Baltic Birch Enclosure
- ◆ (16) Load-rated M10 Rigging Points
- ◆ Robust Tuf-Coat™ Finish
- ◆ NL4-compatible Locking Connector

Description

The iLF218 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 iLF218 uses a unique combination of techniques to keep voice coil temperatures low to avoid power compression that causes reduced output at higher volume levels.

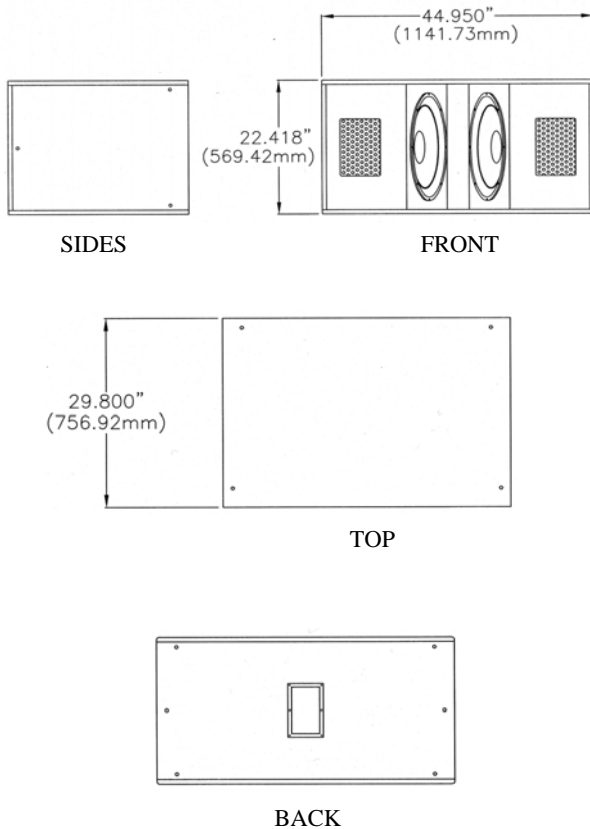
Active-Air cooling uses the bass ports to move outside air over the motor structures of each driver. Additionally, cone movement drives air through the vented magnet pole-piece to cool the motor structures. BCL (Balanced Cone Loading) improves the linearity of the system by balancing the front and rear air loads. The enclosure has rigid internal bracing that reduces sound energy losses from enclosure vibration.

iLF218

2 x 18" SUBWOOFER SYSTEM

Community
True to Specification

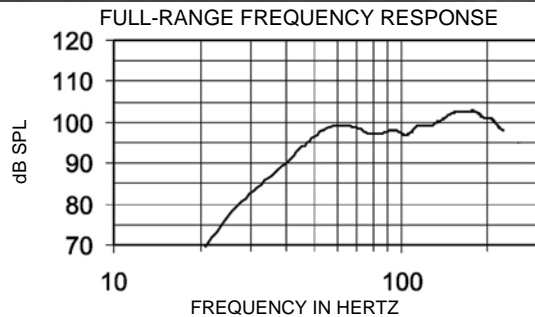
Line Drawings and Specifications



Loudspeaker Type:	Subwoofer
Frequency Response (+/-3dB):	40 Hz - 125 Hz
-10dB Point:	30 Hz
Max Input Ratings:	LF RMS 800W, Program 2000W
Recommended Power Amplifier:	1670W to 2400W @ 4 ohms
Sensitivity SPL/1W/1m:	99 dB
Maximum Output :	128 dB SPL / 135 dB SPL (peak)
Nominal Impedance:	LF: 4 ohms
Min Impedance:	3.3 ohms @ 40 Hz
Nominal -6dB Beamwidth:	360° H x 180° V
Crossover Frequency:	n/a
Recommended Signal Processing:	25 Hz 24 dB / Octave HPF 80-125 Hz Crossover
Drivers:	LF (2) 18"
Input Connection:	(2) NL4-compatible locking connectors (1) 4-screw barrier strip
Enclosure:	13-ply, 18mm birch plywood, TufCoat™ finish
Mounting / Rigging Provisions:	(20) M10 flying / rigging inserts
Grille:	Steel
Required Accessories:	DSP digital signal processor
Dimensions:	Height: 22.42 in. / 569.4 mm Width: 44.95 in. / 1142 mm Depth: 29.80 in. / 756.9 mm
Weight:	215 lbs. / 97.5 kg
Shipping Weight:	229 lbs. / 103.8 kg

- 1. Sensitivity:** Free field pink noise measurement at 10 ft / 3 m at 50% power; extrapolated to 1 meter.
- 2. Watts:** All wattage figures and sensitivity are calculated using the rated nominal impedance.

Measurements



Architects

The loudspeaker system shall be a low frequency dual 18" driver design, utilizing a balanced cone loading design. The cabinet shall be a 13-ply, 18mm birch enclosure with a 16 gauge perforated grille. The enclosure shall incorporate (20) M10 rigging inserts. The loudspeaker system shall have an amplitude response of 40 Hz-125 Hz (+/- 3 dB SPL), an input capacity of 57V RMS, 99 dB SPL sensitivity @ 2.83V / 1 meter between 40 Hz-125 Hz at a nominal 4 ohm impedance. The nominal dispersion shall be 360° x 180° over a usable frequency range. The dimensions of the enclosure are defined as 22.4" x 44.9" x 29.8" (HWD) at a weight of 215 lbs.

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