



XLT55

**PRELIMINARY
SPECIFICATIONS**

TWO-WAY TRAPEZOIDAL SUBWOOFER SYSTEM

APPLICATIONS:

- Sound Reinforcement / Portable PA
- Clubs
- Houses of Worship
- Sport Facilities & Health Clubs
- Industrial A/V
- Keyboard Systems

FEATURES:

- 15" Ferrofluid-cooled Woofers
- Four Ports for Efficient Bass Output
- PowerSense™ DDP Circuit with Front/Rear Indicators
- Tall Trapezoidal Enclosure
- Steel Bar-Handles and Input Panel
- Black-Carpeted Exterior finish

DESCRIPTION

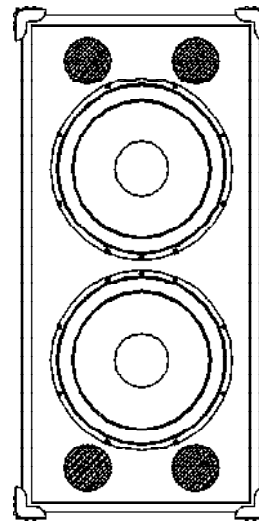
The XLT55 is a trapezoidal, high-efficiency, subwoofer designed for use with any of the XLT Series full-range loudspeaker systems. Its low distortion, high-impact output provides deep bass response with exceptional punch. The dual Ferrofluid-cooled 15" woofers provide prodigious low frequency output and high power handling capability. These are matched to a heavily braced, optimally tuned, bass-reflex enclosure. The speaker's 42" height is designed for stacking a full-range XLT Series loudspeaker. The overall height allows mid and high frequencies to be projected over audiences.

The XLT55 has an internal crossover that separates the audio above 150 Hz and feeds it to a 1/4" high pass output jack for connecting an XLT43 or XLT48 full-range system. Thus only one amplifier channel and no electronic crossover is needed to power both the XLT55 and full-range system. When used with the XLT46 and XLT47 full-range systems, two amplifier channels are recommended - one to power the XLT55 and one for the full-range system. The XLT55 and XLT full-range systems are designed for good acoustic integration without the need for an electronic crossover.

To help ensure continued operation and reliability, the crossover's PowerSense™ DDP (Dynamic Driver Protection) circuit monitors the power input to XLT55's woofers and absorbs excessive power that might otherwise damage them. A rear panel LED as well as front visible indication illuminate when the PowerSense™ circuitry is active, warning the operator. To provide stable, long-term operation, the crossover is built on a steel input panel and uses 250V film capacitors and high-grade circuit boards.

The XLT55 has two Neutrik Speakon NL4MP jacks that mate with NL4FC in-line connectors and two 1/4" phone-type jacks. All jacks are wired in parallel to allow easy daisy-chaining of two systems. The trapezoidal shape easily allows arraying two or more XLT55s placed side-by-side. Stackable, injection molded corners mate with the XLT43 and XLT 46.

The steel recessed bar-handles and black carpeted exterior make this road-worthy system attractive, rugged and easily transportable. The XLT55 is provided with 5/16"-18 threaded inserts on its top, sides, and bottom for permanent mounting.



SPECIFICATIONS

Loudspeaker Type:

Bass-Reflex System

Frequency Response: 38 Hz to 150 Hz

Power Handling: 300W RMS; 750W Program

Sensitivity (1 Watt / 1 Meter): 99 dB SPL

Nominal Dispersion: Omni

Nominal Impedance: 4 ohms

Crossover Frequency: 150 Hz

Drivers:

Two 15 inch woofers, Ferrofluid-cooled

Speaker Protection: PowerSense DDP

Input Connectors:

Two Neutrik Speakon

Two 1/4 inch phone jacks

Enclosure Material and Finish:

Black carpet covered oriented Strand Board

16 guage perforated steel grille

Dimensions:

Height: 42 inches (686 mm)

Front Width: 20.25 inches (514 mm)

Rear Width: 13.25 inches (337 mm)

Depth: 18 inches (457 mm)

Weight: 94 lb. (42.6 kg)

Shipping Weight: 105 lb. (47.6 kg)

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COMMUNITY PROFESSIONAL LOUDSPEAKERS

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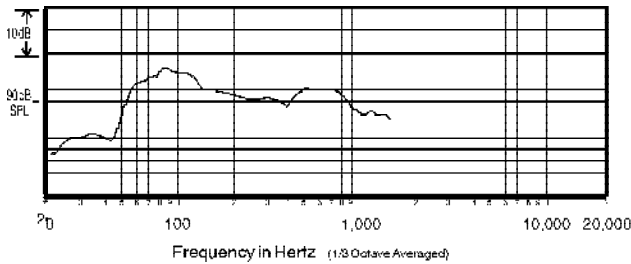
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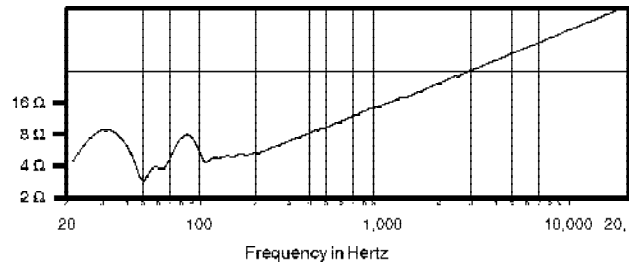
XLT55

TWO-WAY TRAPEZOIDAL SUBWOOFER SYSTEM

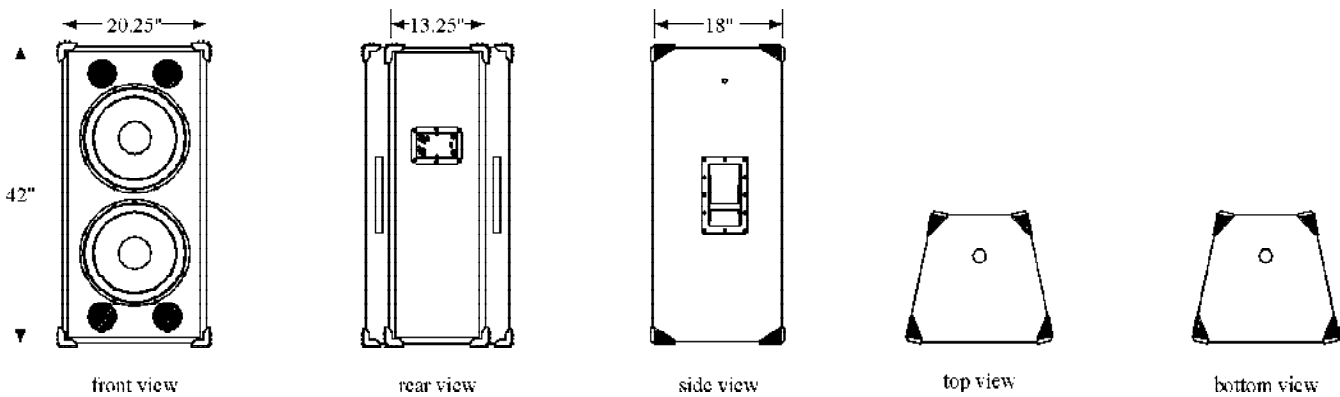
FREQUENCY RESPONSE



IMPEDANCE



DIMENSIONS



ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The loudspeaker system shall be a direct-radiating, bass-reflex design with two Ferrofluid-cooled 15 in. woofer and one 1 in. titanium diaphragm compression driver coupled to a Pattern Control horn. All components shall be connected to an integral crossover/protector. The crossover/protector shall be a two-way design with 12 dB/octave low pass at 1.5 kHz to the woofer and 12 dB/octave high-pass at 1.5 kHz to the high-frequency driver. The crossover shall utilize a steel input panel with Neutrik NL4MP and 1/4 in. jacks, high quality 250V film capacitors, inductors, high positive current coefficient resistors (HPCCR's) for component protection and front/rear overcurrent indicators. A Passive/Biamp switch shall allow operation using one or two amplifier channels without need of an electronic crossover. An HF level control shall be switchable between Flat and +4 dB. The loudspeaker enclosure shall be constructed of well-braced OSB, covered in black carpeting with eight, stackable, injection molded corners, a 16 gauge perforated steel grille and two steel, recessed bar handles. The system shall meet the following performance criteria: Amplitude response of 45 Hz to 18,000 Hz +/- xx dB, 400W RMS power handling, 101 dB sensitivity at 1 meter with one watt applied. The horn coverage pattern shall be 90° H x 40° V. The loudspeaker shall be 42 in. (1067 mm)H x 20.25 in. (514 mm) W (front) x 13.25 in. (337 mm) W (rear) x 18 in. (457 mm) D and weigh 104 lb. (47.2 kg). The system impedance shall be 4 ohms nominal.

LIMITED WARRANTY

Community XLT loudspeaker systems are guaranteed to be free from defects in materials and workmanship for a period of five years from the original date of sale. Since the warranty applies to the product, the remainder of the warranty period will be automatically transferred to any subsequent owner. Only failures caused by defects in materials and workmanship are covered, not failures caused by abuse, accident, modification, improper handling/installation, or repairs made without factory authorization or by other than an authorized Community Field Service Station. Products covered by this warranty will be repaired or replaced at the option of Community, without charge for materials or labor, provided all the terms of this warranty have been met. This statement is a condensed version of the Community Product Warranty, intended for quick reference only. For complete warranty information, consult the product owners manual or call (610) 876-3400 for a copy.

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