**DESCRIPTION**

The XLT48E is a compact high-efficiency wedge-type two-way stage monitor system with clear articulate output and smooth frequency response. It features a 15" Ferrofluid-cooled woofer and a 1" titanium diaphragm compression driver coupled to a 90 x 40 degree Pattern Control horn in a heavily-braced, optimally tuned, bass reflex enclosure. There is a choice of two HF horns for the XLT48E - a 90 x 40 (XLT48E-94) and a 60 x 40 (XLT48E-64). A robust crossover with dynamic driver protection monitors the power to each driver and absorbs excessive power. A rear panel LED illuminates when the protection circuitry is active, warning the operator of excessive power input. A Passive / Biamp switch allows easy switch-over between two modes of operation. The 13 ply Baltic birch enclosure is available finished in black or white paint or unfinished ready for painting or staining. Five year warranty.

**OPTIONS:**

XLT48E-94B = black painted
XLT48E-94W = white painted
XLT48E-94U = unfinished
Grille: white has white cloth covering, unfinished has brown cloth covering

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**APPLICATIONS:**

- Theatres / Auditoria
- Live PA
- Houses of Worship
- Sport Facilities & Health Clubs
- Clubs

**FEATURES:**

- 1" Titanium HF Driver
- Switchable Passive / Biamp Modes
- 2 Position HF Level Switch
- PowerSense™ DDP Circuit with Front & Side Indicators
- Wedge-type Enclosure for Stage Monitoring
- Steel Bar-Handles and Steel Input Panel
- Mounting Points
- Choice of Black, White, or Unfinished Exterior

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**SPECIFICATIONS (See notes 1 and 2)**

**Loudspeaker Type:** 2-way, Stage monitor, bass ported

**Operating Range:**
- 50 Hz - 18 kHz
- 50 Hz - 18 kHz (+/-5dB)

**Max Input (Passive):**
- 200W continuous, 500W program
- 40 volts RMS, 89 volts momentary peak

**Recommended Power Amp:**
- 420W to 600W @ 8 Ohms

**Max Inputs (Biamp):**
- LF: (Same as for Passive mode)
- Recommended LF Power Amp: (Same as for Passive mode)
- HF: 50W continuous, 125W program
- 20 volts RMS, 45 volts momentary peak
- Recommended HF Power Amp: 100W to 150W @ 8 Ohms

**Sensitivity 1W/1m:**
- 98dB SPL (63 Hz - 16 kHz 1/3 octave bands)
- 98 dB SPL (250 Hz - 4 kHz speech range)

**Maximum Output:**
- 121 dB SPL / 128 dB SPL (peak)

**Nominal Impedance (passive):**
- 8 Ohms

**Min Impedance:**
- 5.2 Ohms @ 160 Hz

**Nominal Impedances (Biamp):**
- LF: 8 Ohms, HF: 8 Ohms

**Nominal -6dB Beamwidth:**
- 80° H (+0° / -26°, 2 kHz - 10 kHz)
- 35° V (+16° / -9°, 2 kHz - 10 kHz)

**Axial Q / DI:**
- 21.2 / 13.3, 2 kHz - 10 kHz

**Crossover Frequency:**
- 40 Hz high pass filter

**Drivers:**
- LF (1) 15", Ferrofluid-cooled
- HF (1) 1" exit, titanium diaphragm

**Driver Protection:**
- PowerSense™ DDP

**Input Connection:**
- (2) Neutrik NL4MP, (2) 1/4 in. jack

**Controls:**
- Passive / Biamp switch
- 2 position HF level switch

**Enclosure:**
- 13-ply 18 mm Baltic birch, Polane painted (see options)

**Enclosure Hardware:**
- (2) Steel recessed bar handles
- (4) Heavy-duty rubber feet

**Mounting / Rigging Provisions:**
- 2(5/16-18 mounting points)
- 4(5/16-18 stand adapter attachment points)

**Grille:**
- 16 gauge perforated steel, black powder coated (see options)

**Required Accessories:**
- None

**Supplied Accessories:**
- None

**Optional Accessories:**
- CSSUPKIT: 2 steel straps for rigging

**Dimensions (in normal operating position):**
- Height: 19.3 in. / 490 mm
- Width: 19.5 in. / 494 mm
- Depth: 30.9 in. / 785 mm
- Weight: 60 lb. / 27.2 kg
- Shipping Weight: 68 lb. / 30.9 kg

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1. Sensitivity: Free field pink noise measurement at 20 ft / 6.1 m at 25% power; extrapolated to 1 meter and an input of 2.83 volts RMS.
2. Watts: All wattage figures are calculated using the rated nominal impedance.
The loudspeaker system shall be a two-way, full-range wedge-type bass reflex design. The loudspeaker system shall have one 15 in. Ferrofluid-cooled woofer and one 1 in. exit HF driver with a titanium diaphragm mounted to a 90° HF fiberglass horn. Drivers shall be connected to an integral crossover with a crossover frequency of 2 kHz and integral over-current protection circuitry using high positive current coefficient resistors. There shall be two NL4MP connectors and two 1/4" phone jack connectors with a switch for passive or biamplified connection and rear-facing LED over-power indicator light. The loudspeaker enclosure shall be 13-ply Baltic birch plywood with a 16 gauge perforated steel grille (with a white [brown] cloth cover) and (unfinished.) finished with black [white] paint. The system shall have an amplitude response of 50 Hz to 18 kHz (+/-5 dB), input capability of 40V RMS, 98 dB sensitivity at one meter and 2.83V / 8 ohms nominal impedance. The nominal dispersion shall be 80°H x 35°V from 2 kHz to 10 kHz. The loudspeaker shall be 19.3 in. (490 mm) H x 19.5 in. (494 mm) W x 30.9 in. (785 mm) D and weigh 60 lbs (27.2 kg).