DESCRIPTION
The XLT46E is a versatile, three-way full-range bass reflex loudspeaker system engineered for use in small to medium PA systems in clubs or performance applications. The 60 x 40 HF horn is rotatable for narrower horizontal coverage or for vertical mounting. The black-painted 13-ply Baltic birch enclosure and black perforated steel grille present an attractive package. Features an over-drive indicator light and a passive / biamp switch on the input panel, PowerSense protection circuitry and a Ferrofluid cooled woofer. Five year warranty.

SPECIFICATIONS (See notes 1 and 2)
Loudspeaker Type: 3-way, Full-range, bass ported
Operating Range: 50 Hz - 18 kHz
Max Input (Passive): 200W continuous, 500W Program
28 volts RMS, 63 volts momentary peak
Recommended Power Amplifier: 420W to 600W @ 4 Ohms
Max Inputs (Biamp):
  LF: (Same as for Passive mode)
  MF/ HF: 80W continuous, 200W program
  25 volts RMS, 57 volts momentary peak
  Recommended MF/ HF Power Amp: 170W to 240W @ 8 Ohms
Sensitivity 1W/1m:
  97dB SPL (50 Hz - 18 kHz 1/3 octave bands)
  97dB SPL (250 Hz - 4 kHz speech range)
Maximum Output: 120 dB SPL / 127 dB SPL (peak)
Nominal Impedance (Passive): 4 Ohms
Min Impedance: 5.1 Ohms @ 120 Hz
Nominal Impedance (Biamp): LF: 4 Ohms, HF: 8 Ohms
Nominal -6dB Beamwidth:
  65° H (+5° / -5°, 2 kHz - 10 kHz)
  30° V (+7° / -7°, 2 kHz - 10 kHz)
Axial Q / DI:
  25.1 / 14, 2 kHz - 10 kHz
Crossover Frequency: 500 Hz / 2.5 kHz
Recommended Signal Processing: 40 Hz high pass filter
Drivers:
  LF (1) 15" cone, Ferrofluid-cooled
  MF (1) 6.5" cone, Ferrofluid-cooled
  HF (1) 1" exit, titanium diaphragm
Driver Protection: PowerSense™ DDP
Input Connection:
  (2) Neutrik NL4MP
  (2) 1/4 inch jack
Controls: Passive / Biamp switch
  2 position HF level switch
Enclosure: 13-ply 18 mm Baltic birch, Polane painted
Enclosure Hardware:
  (2) Steel recessed bar-handles
  (4) Heavy-duty rubber feet
Mounting / Rigging Provisions:
  (6) 3/8-16 rigging points, W.L.L. 150 lb. vertical pull each
  (2) 5/16-18 stand adapter attachment points
Grille: 16 gauge perforated steel, black powder coated
Required Accessories: None
Supplied Accessories: None
Optional Accessories: EYBLKTKit: (4) 3/8-16 forged eyebolts
Dimensions (including feet):
  Height: 33.9 in. / 862 mm (33.5 in. / 851 mm w/o feet)
  Width (front): 19.75 in. / 502 mm
  Width (rear): 13 in. / 331 mm
  Depth: 17.9 in. / 455 mm
Weight: 85 lb. / 38.6 kg
Shipping Weight: 95 lb. / 43.1 kg

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 volts RMS.
2. Watts: All wattage figures are calculated using the rated nominal impedance.
The loudspeaker system shall be a three-way, full-range bass reflex trapezoidal design with one 15 in. Ferrofluid-cooled woofer, one 6.5 in. Ferrofluid-cooled midrange driver and one 1 in. exit HF driver with a titanium diaphragm mounted to a 60° HF fiberglass horn. Drives shall be connected to an integral crossover with crossover frequencies of 500 Hz and 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 bi-amped 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 and finished with black paint. The system shall have an amplitude response of 50 Hz to 18 kHz (+/-5 dB), input capability of 28V RMS, 97 dB sensitivity at one meter and 2V / 4 ohms nominal impedance. The nominal dispersion shall be 65°H x 30°V from 2 kHz to 10 kHz. The loudspeaker shall be 33.9 in. (862 mm) H x 19.75 in. (502 mm) W (front) x 13 in. (331 mm) W (rear) x 17.9 in. (455 mm) D and weigh 85 lbs (38.6 kg).