LT 9702® WR
high-output mid/high loudspeaker

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Key Features

- **90° x 70°** coverage for short-throw applications in auditoriums, worship facilities, performing arts centers, stadiums and arenas
- **Mid/high-frequency** loudspeaker designed for use in arrays with separate LF augmentation (Bose® MB12 or MB24 bass arrays) or voice-only applications
- **Bose V2 midrange manifold** sums output of 2 x 4.5" (114 mm) extended-range cone drivers for lower breakup distortion and improved transient responsept□ MB12 or MB24 bassitr tr o□ MBT700009p as□0□V0□□te□•e•FL0090000t□trc-yd•ndE00®□c•r M0

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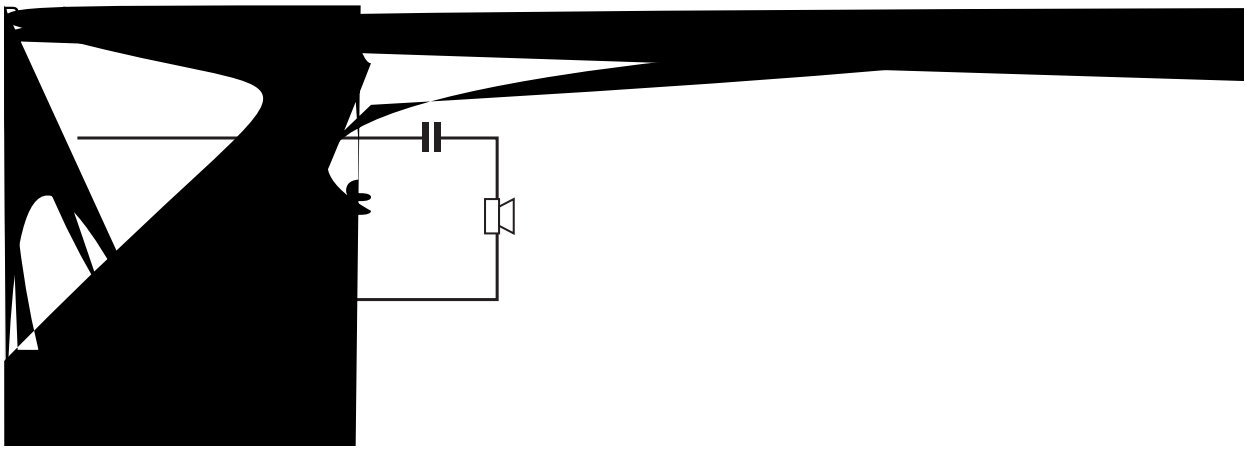
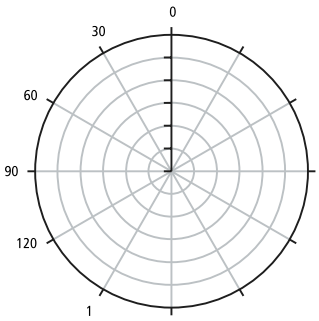
Wiring Diagram



Horizontal Plots



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Architects' and Engineers' Specifications

The 2-way, mid/high-frequency loudspeaker shall contain a " (7 mm) diaphragm compression driver and two (2) midrange manifolds, each summing two (2) 4.5" (114 mm) cone drivers in a heat-sink/acoustic summation assembly. The transducers will exit into a large-format waveguide with 90° x 70° nominal beamwidth and effective pattern control to approximately 250 Hz (horizontal) and 500 Hz (vertical). n internal filter network with crossover of 1. kHz shall allow passive or bi-amp operation.

n-axis system frequency response shall be 220 Hz to 1 kHz (/- dB) with recommended crossover and active equalization. The system sensitivity shall be 105 dB SPL with 1 watt input and be capable of producing peak output of 1 2 dB SPL on axis at 1 meter. n passive mode, the system shall handle 140 watts of amplifier power (EC 2 8-5 pink noise, dB crest factor, for 100 hours) and have a nominal input impedance of 8 ohms. n bi-amp mode, the mid-frequency section shall handle 140 watts of amplifier power and have a nominal input impedance of 8 ohms, while the high-frequency section shall handle 75 watts of amplifier power and have a nominal input impedance of 8 ohms.

The trapezoidal enclosure shall be constructed of void-free, exterior-grade Baltic birch plywood with extensive internal bracing. The enclosure interior shall be treated with wood sealer and the exterior finished with a two-part spray polyurethane coating (Chemthane 70 0 or equivalent) to resist weather elements and scuffing. The enclosure shall be covered by a 1 - gauge perforated stainless steel grille with powder-coated finish and backed with an open-cell foam. The loudspeaker shall survive water incursion consistent with the EC 529 P 5 rating. The enclosure shall have sixteen (1) stainless steel threaded inserts (4 each top, bottom, sides) that accept standard S E /8"-1 rigging hardware. nputs shall be two (2) L4 eutrik® Speakon® connectors. Loudspeaker dimensions shall be 4. " x 22.5" x 17.8" (879 mm x 572 mm x 451 mm). et weight shall be 9 lb (42. kg).

The 2-way, mid/high-frequency loudspeaker shall be the Bose® LT 9702® WR loudspeaker.