

AERIAL
ACOUSTICS

MODEL 7T PERFORMANCE SPECIFICATIONS

Frequency Response	28 Hz to 25 kHz ± 2 dB, -6 dB at 23 Hz
Dispersion	30 Hz to 15 kHz +0, -3 dB from axial response 45 degree horizontal measurement window
Sensitivity	89 dB for 2.83 volts at 1 meter on axis
Impedance	4 ohms, 3 ohms minimum, low reactance
Power Requirements	25 watts minimum, > 100 recommended
Woofers	Twin 7.1" (180 mm) with cast magnesium frames Rigid bilaminate composite cones Large magnets. 1.5" coils. Long, linear Xmax
Midrange	5.9" (150 mm) with cast magnesium frame Special Papyrus blend cone. Copper pole sleeve Dual magnets. 1.25" coil. Long, linear Xmax
Tweeter	4.1" (104 mm) with thick machined aluminum plate Soft ring-dome design with machined wave guide Dual magnets. 1.0" coil. Copper pole sleeve
Crossovers	Fourth order acoustic Linkwitz-Riley 400 Hz and 3,000 Hz crossover frequencies 2 Physically separate networks. Biwirable & biampable
Cabinet	9 Layer laminated, curved, stressed MDF walls 7 Interlocked full-size braces. Tongue & groove joints 2-piece curved, damped baffle. Architectural veneers
Grille	Cloth covered curved steel with hexagonal windows 8 Neodymium magnets. No visible mounting hardware
Finishes	Gloss Cherry Gloss Rosenut Nero Metallic Black
Included Accessories	Nero metallic black base. Adjustable feet, black spikes, floor protectors
Optional Accessories	Exposed machined hardware on laser cut steel bars
Dimensions	44.5 x 9.7 x 15.3" (1130 x 245 x 390 mm) Height includes base and spikes
Weight Each	96 lbs (44 kg) Unpacked 154 lbs (70 kg) Packed

Specifications are subject to change.



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THE EXCEPTIONAL ABILITY OF THE MODEL 7T surpasses the competence of conventional systems through its exacting design and the high quality of its enclosures, networks, and drivers.

Multiple layers of curved, stressed, and laminated MDF provide non-resonant behavior unmatched in conventional flat panel construction. Seven full cross section braces remove any remaining subtle coloration. The resulting labyrinthine structure is virtually inert.

Specially compounded Papyrus forms the stiff but precisely damped midrange cone. This driver is isolated in a separate, wool-filled chamber. The woofer cones are a rigid, damped bilaminate composite. Both driver types have cast magnesium frames, large magnets and long linear excursions. The soft ring-dome tweeter has large dual magnets, a damped chamber, and a copper pole sleeve. The result is that each driver remains linear well beyond its range of use, maintains accurate transients, and exhibits exceedingly low distortion.

Seamless amplitude and phase integration is provided by precision networks using 21 high-quality components including polypropylene film capacitors and low-oxygen copper air-core coils. High current nickel-steel cores are used in the bass. Separate glass-epoxy boards are employed for the bass and midrange/treble sections. Silver solder and Teflon® insulated high-purity copper wire are used throughout.

System performance is exceptionally accurate and natural with excellent transparency, detail, dynamics, and spatial presentation. Low bass has outstanding authority, control, and extension. Upper bass is well defined and articulate. Midrange is extremely natural, clear, and beautifully detailed. Treble is delicate and open, without edge or false emphasis.

Excellent coherence, three-dimensional imaging, and transient accuracy are provided by the wide dispersion, low diffraction, phase accuracy, and extremely low stored energy of the system. The result is a musical experience that is truly captivating.

