Gauder Akustik Elargo 200 Loudspeaker

$49,975

The Elargo 200 loudspeaker from Gauder Akustik uses teardrop-shaped formed cabinets and, like all Gauder speakers, everything is designed specifically for these individual products: crossovers, enclosure, drivers, and other components. The Elargo 200 is a 3-way design with over 50dB/octave crossover slopes on all drivers. The drivers comprise an iron-neodymium-boron magnet beryllium tweeter; a 7" XPulse rear-vented centering spider, lightweight, damped, ultra-stiff aluminum midrange; and two 22cm (8.66") XPulse rear-ventilated centering spider, stiffened, back-coated aluminum, long-throw woofers paralleled in a bass-reflex enclosure.

This design takes the same physics-based, systems-design approach, using mathematical models developed specifically for this transducer. The Gauder Akustik approach of using unique-to-the-speaker equations is derived from Euler's formulas that describe every parameter of a speaker system (drivers, cabinet, and crossover) and its performance characteristics (including vibration, oscillation, damping, and decay of driver diaphragms, cabinet materials, and electrical components). After which, more mathematical transforms are then applied to create transfer functions representing the speaker enclosure size, Thiele-Small driver parameters, and electrical components for the complete speaker system.

Another unique feature of the Elargo 200 is a compensating time-delay filter for the tweeter. This time-delay circuit is used to counter the inherent inductor-induced group delay and driver-to-driver voice-coil-location difference between the tweeter and midrange. By implementing this Time Delay Control (TDC) circuit, the proper delay of the tweeter relative to the midrange allows the loudspeaker to generate transients at the same time, resulting in a synchronous projection of sound into the room to create a much more precise impulse response for better instrument attack without energy robbing time-smear or smoothing.

The Elargo 200 projects a physically solid musical presentation with attractive levels of transparency, precise imaging, perceptual speed, macro-dynamics, inner detail, sound-space spaciousness, believable instrument timbre, and an enjoyable overall listening experience. The Elargo 200 played music that was richly satisfying, exciting, and sometimes relaxing based on the music being played. It's an all-around performer that works at a very high level of upper-tier performance –more so given its value-for-performance price point. When properly set-up, the Elargo 200 can legitimately stand its ground with the competition. (369)