

Penn PA-65X

6.5" X-pattern · Carbon-Fiber Unibody

46.5 Hz

F3 (-3 DB)

105.6 dB

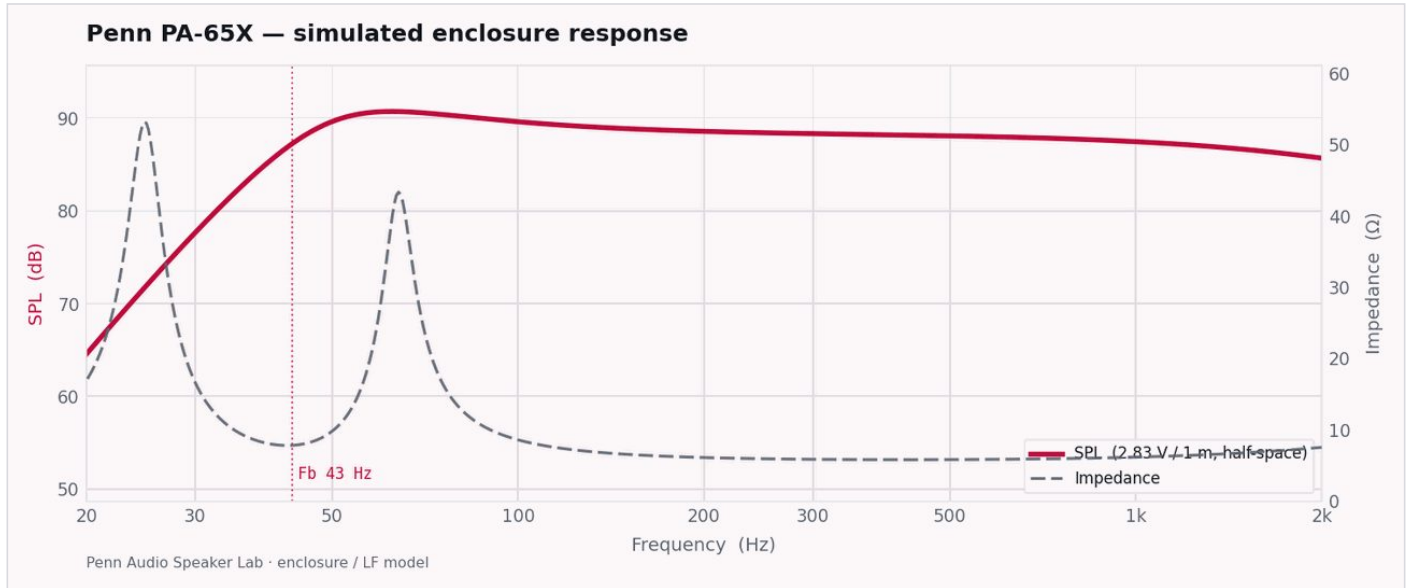
MAX SPL

60 W

POWER (AES)

8.0 Ω

IMPEDANCE



SPECIFICATIONS

Configuration	X-pattern (1 LF center + 4 HF corners on square baffle), vented bass reflex (4 front ports)	HF transducers	4x 1.0" neodymium compression drivers
Frequency response (-10 dB)	39.5 Hz - 18 kHz	Crossover	LR4 @ 2500 Hz (LF → 4x HF array), passive on slide-in baffle
Frequency response (-3 dB)	46.5 Hz - 18 kHz	Enclosure	One-piece carbon-fiber composite Unibody (design)
Cabinet tuning Fb	42.8 Hz	Dimensions (W × H × D)	365 × 365 × 260 mm
Sensitivity (1 W / 1 m)	87.77 dB SPL	Net internal volume	10.0 L
Maximum SPL (thermal)	105.6 dB @ 1 m	Net weight	8.5 kg
Power handling (AES)	60 W	Rigging	M10 HeliCoil 4-point fly grid on top, bottom, left and right faces
Nominal impedance	8.0 Ω	Connectors	2 × Neutrik Speakon NL4MP, parallel-wired
LF transducer	6.5" ferrite woofer	Finish	2K polyurethane UV-stable clear coat, semi-matte

Specifications are Penn Audio Speaker Lab design targets and may be refined in production.