

6.5" Two-Way All-Purpose Loudspeaker



CA-650T

Inside or out, the 70-volt Klipsch CA-650T compact, full-range loudspeaker delivers superior sound from a durable and flexible package. Perfect for foreground or background distributed sound applications in residential, commercial or recreational environments, this model provides big time sound and worry-free performances.

Building on the success of our popular CA-6T model, the new CA-650T version features enhanced cosmetics, added mounting flexibility and even better performance.

For efficiency and reliability, the CA-650T has been re-voiced and employs a high-power, extended range low frequency driver. It features a 6.5-inch IMG cone woofer and 1-inch titanium dome tweeter coupled to a square-mouth 90-degree by 90-degree Tractrix® Horn, which allows the speaker to be mounted horizontally or vertically without affecting the coverage pattern.

Available in black or white, this speaker has a durable UV-resistant all-weather enclosure that includes an internal multi-tap transformer with expanded range and a switchable direct 8-ohm bypass. The tap settings for the CA-650T at 70V are 60W, 30W, 15W, 7.5W and 3.7W. The added 3.7W tap setting offers further placement flexibility. The settings for 100V are 60W, 30W, 15W and 7.5W.

The included heavy gauge zinc C-bracket provides added mounting strength. It attaches to the enclosure's integral "center-of-gravity balanced" threaded studs that are positioned inside the speaker and to the oversized knobs, ensuring positive position-lock. Connections are provided via four-position barrier strips. This allows an installer to use two connectors for inputs and two for pass-throughs, making it easier to daisy chain.

The CA-650T's updated grille design stays securely fastened and incorporates a new paint formulation for increased weather resistance and years of maintenance-free protection regardless of the climate or environment. The speaker's improved input cup allows for easier drainage and the added 3/8"-16 threaded insert for use with optional mounts offers better placement flexibility.

- 90° x 90° Tractrix Horn tweeter for clean, clear highs
- Very high sensitivity and power handling
- Built-in 60-watt, 70V/100V multi-tap transformer with 8-ohm bypass
- Supplied with C-style mounting bracket and stainless steel hardware
- Paintable UV-resistant ABS enclosure with rustproof aluminum grille

SPECIFICATIONS

FREQUENCY RESPONSE ¹	69-20kHz ± 4dB
POWER HANDLING ²	85W (19V)
MAX CONTINUOUS OUTPUT ³	111dB
SENSITIVITY (2.83V/1M) ⁴	95dB
HORIZONTAL COVERAGE	80° ± 40 1.4kHz-20kHz
VERTICAL COVERAGE	90° ± 30 1.4kHz-18kHz
DI	7 ± 2.5dB 1Hz-20kHz
Q	5
NOMINAL IMPEDANCE	8 ohms (4.1ohm min @15kHz)
CROSSOVER	1.9kHz with 12dB/Octave high-pass 12dB/Octave low-pass
TRANSDUCERS	One K-1181-A 6.5" woofer with IMG Cone One K-150-A 1" titanium diaphragm compression driver
ENCLOSURE TUNING	Vented System via front firing ports
ENCLOSURE MATERIAL	All-weather ABS plastic, paintable
INPUT CONNECTORS	4 position terminal strip
TRANSFORMER TAPS	70V: 50W, 30W, 15W, 7.5W, 3.75W 100V: 50W, 30W, 15W, 7.5W Through Position: 8 ohms
HEIGHT	9.5" (24.13cm)
WIDTH	15.2" (38.56cm)
DEPTH	10.875" (27.62cm)
WEIGHT	13 lbs. (5.9kg)

¹ 3M, half space anechoic

² AES standard, continuous pink noise 50Hz-10Hz, 6dB peaks

³ Calculated at 1M at power handling power input

⁴ SPL at 1M, half-space anechoic with 2.83V input

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