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Made in the USA
with domestic and global components.

Model No.

8A50-TM1670

8" Coaxial Driver & 70V Transformer

Eight inch coaxial driver is the flagship of Lowell's A-series and represents an upgrade in performance over standard commercial coaxial drivers — with greater power handling, lower distortion, and smoother musical sound. This driver is engineered for very high quality music and paging especially in large venues such as restaurants, hotel lobbies, retail stores and similar locations where the listening experience is a key part of customer satisfaction.

Features

- 8" 50W coaxial driver with 20 oz. LF magnet coupled with 1.4" copper voice coil drive a polyproylene cone with half-roll rubber surround for long cone travel and good edge damp-ing. Post-mounted tweeter is a 1" balanced-drive dome pro-tected by Ferrofluid and a first-order high-pass filter. Speaker frame is stamped 20-ga. steel with black enamel finish and zinc plated backplate.
- Mounted and wired 70V transformer (No. TLM-1670) has primary taps at 4, 8, 16W
- Assembly frequency response 40Hz-17.7kHz (±6dB), 40Hz-20kHz (±9.2dB)
- Assembly sensitivity 91.8dB avg. SPL (1W/1M)
- Assembly weight 5.5 lbs.
- Meets or exceeds all applicable EIA standards

A&E Specifications

The 8" driver with mounted transformer shall be AVLELEC Model No. 8A50-TM1670 which shall be of the coaxial type having electrically independent high and low frequency transducers. The low frequency section shall have an 8" diameter polypropy-lene cone and the high frequency section shall have a tweeter with a 1" balanced-drive dome. A built-in electrical crossover network shall be employed to accomplish the proper frequency division between the 2 drivers. Crossover frequency shall be at 4000Hz with a first order high-pass filter. Power rating shall be 50 watts RMS. The low frequency voice coil shall have a di-ameter of 1.4" and operate in a magnetic field derived from a ferrite (ceramic) magnet with nominal weight of 3.5 lbs. The high frequency voice coil shall have 0.53" diameter and operate in a magnetic field derived from a ferrite (ceramic) magnet with 2 oz. nominal weight. Voice coil impedance shall be 8 ohms. The driver shall have a round, structurally reinforced stamped 20-ga. steel frame with 8.08" overall diameter and 8 obround holes equally spaced at 45 degrees on 7.625" diameter mount-ing bolt circle. External metal parts shall be finished in black enamel coating or zinc plating to resist rust and corrosion. The mounted transformer shall be 70V with primary taps at 4, 8, and 16W. The assembly shall be capable of producing a uniform au-dible frequency response over the range of 40Hz-17.7kHz (±6dB), 40Hz-20kHz (±9.2dB) with a dispersion angle of 90 de-grees conical @2000Hz-6dB. Average sensitivity shall measure 91.8dB (SPL at 1W/1M). Overall depth shall not exceed 6.25".

Driver + Transformer Specifications

Driver + Xfmr. No's.	*Driver Type*	*Driver Power Rating*	*Driver Magnet Wt.*	*Transformer Taps*	*Assembly Frequency Response*	*Assembly Dispersion @2000Hz Octave (-6dB)*	*Assembly Sensitivity*	*Assembly Mtg. Depth*	*Max SPL*
8A50 + TLM-1670	Coaxial	50W	20 oz. (woofer)	4, 8, 16W	40Hz-17.7kHz (±6dB)	90 degrees	91.8dB	6.25"	103.8 **
	8ohm		2 oz. (tweeter)	@70V	40Hz-20kHz (±9.2dB)	conical	Avg SPL		

** Minimum depth required for assembly to be rear-mounted to grille in an enclosure.*
*** Calculated based on 16W maximum transformer power tap and measured sensitivity.*
Additional information available on specification sheet for Driver No. 8A50.