

Model No.

RPAK-810-72

Ceiling Speaker System

- Includes two sets – driver, xfmr, grille, enclosure, tile-bridge

The RPAK speaker system is packaged in a single box for easy ordering, inventory and installation. The system includes two each: 8" 15W driver, dual voltage transformer, white steel grille, round enclosure, and tile-bridge. It's an excellent choice for general purpose paging and distributed music applications where economy and installation costs are prime considerations.

Construction & Features

The RPAK includes two each –

- Driver (No. 810): 8 in. 15W dual cone driver with 10oz. magnet, 54Hz-11.6kHz (± 6 dB) and 50Hz-20kHz (± 6.6 dB) frequency response, 97.9dB Avg sensitivity measured 1W/1M. Driver uses molded high fiber content cone to achieve smooth extended response with a clean, natural sound.
- Dual-voltage (70/25V) transformer with primary taps at .25, .5, 1, 2, and 5W.
- Grille (No. WB-8): factory mounted to driver with welded studs; installs to backbox and tile-bridge with four white screws (provided). Precision-formed steel with attractive white finish that blends nicely with suspended tile ceilings.
- Two backboxes (No. 8XD4): formed from heavy gauge steel with acoustic pad and four 1/2 - 3/4 in. knockouts for conduit. Punched lip for screw-mount installation of backbox to tile bridge. 10 in. diameter x 4 in. deep. White powder epoxy finish. Note: Does not include 8-32 screws to mount the backboxes to tile bridges.
- Two tile-bridges (No. LBS8-R1): transfer speaker assembly weight to ceiling support structure in suspended tile ceilings. Galvanized steel with four wire-tie holes for seismic anchoring, if required. 23.75"L.



A&E Specifications

The 8" speaker system shall be Lowell Model No. RPAK-810-72 which shall include two 8" dual cone drivers with wired dual voltage transformers and mounted white steel grilles boxed with two enclosures and two tile-bridges to transfer the speaker assembly weight to the ceiling support structure in suspended tile ceilings. The driver shall have an RMS power rating of 15W and employ a 10oz. ceramic magnet and molded high fiber cone. Frequency response shall be 54Hz-11.6kHz (± 6 dB) and 50Hz-20kHz (± 6.6 dB) with sensitivity of 97.9dB avg. measured 1W/1M. The transformer shall be 70/25V with primary taps at .25, .5, 1, 2, and 5W. The grille shall be steel with white powder epoxy finish. The steel enclosure shall measure 10"dia. x 4"D with 1/2-3/4" knockouts for conduit and a white powder epoxy finish. The tile-bridges shall be 23.75"L galvanized steel with holes for seismic anchoring.

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Driver + Transformer Specifications

Driver + Xfmr. No.	Driver Size	Driver Power Rating	Driver Type	Ceramic Magnet	Frequency Response	Dispersion 2000Hz (-6dB)	Voice Coil Impedance	Sensitivity 1W / 1M	Depth (w/o xfmr)	Weight (w/o xfmr)	Max SPL
810T72	8"	15W	Dual cone	10 oz.	51Hz-11.6kHz (±6dB) 50Hz-20kHz (±6.4dB)	95 degrees conical	8 ohms	97.9dB Avg.	2.84"	2.4 lbs.	104.9dB *

* Calculated value 1M @ maximum transformer tap (5W).
Additional technical information is available on specification sheet for Driver No. 810.

Installation Overview

1. Place T-bridge in position on finish (room) side of ceiling tile. Use center opening as template to score and cut ceiling tile.
2. Mark or punch four grille mounting holes on finish side of tile. Grille mounting holes are adjacent to tabs on T-bridge (see drawing).
3. Turn ceiling tile over and place T-bridge on back side over cutout, then push tabs into cutout so they grip the tile. Use 8-32 screws (not included) to mount enclosure.
4. Pull wiring into backbox per code and job requirements and make wiring connections.
5. Use the four white screws provided to screw-mount driver/grille assembly to enclosure using the grille mounting holes marked on tile. See specification sheet for LBS8-R1 tile-bridge for more detailed instructions.

