

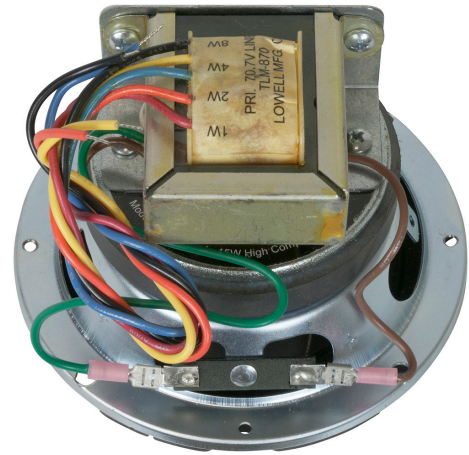
Model No.

JR410-T870

High Compliance Cone Driver with Transformer

INCLUDES:

- 4-inch 15W cone driver
- 70V 8W transformer



THE HIGH COMPLIANCE CONE DRIVER includes a mounted 70V transformer and provides wide frequency response and wide dispersion for paging and background music systems.

FEATURES

DESCRIPTION: High compliance single cone driver with 10 oz. ceramic magnet features a 1-inch copper voice coil, treated cloth surround, and zinc-plated steel basket.

POWER RATING: 15W RMS

TRANSFORMER: Mounted 70V transformer has primary taps at 1, 2, 4, and 8W

FREQUENCY RESPONSE: 75Hz–15.7kHz (± 6 dB), 57Hz–20kHz (± 7.4 dB).

DISPERSION ANGLE: 170 degrees conical @2kHz octave (-6 dB).

SENSITIVITY: Average SPL = 91.4dB (@1W/1M). Maximum SPL = 100.4dB (calculated based on 8W max. transformer power tap and measured sensitivity).

MOUNTING DEPTH: 3.9 inches

NET WEIGHT: 2.6 lbs.

COUNTRY OF ORIGIN: Assembled in the U.S.A. with global components.

A&E SPECIFICATIONS:

The high compliance 4-inch driver with mounted transformer shall be Lowell Model JR410-T870. The driver shall be of the permanent magnet type with a paper cone, treated cloth surround, and dispersion angle of 170 degrees @ 2000Hz (-6 dB). Average sensitivity shall measure 91.4dB SPL (at 1W/1M) and power rating shall be 15 watts RMS. The driver shall feature 1 inch diameter voice coil (8 ohm impedance), 10 oz. ceramic magnet, 20-gauge steel frame with 5.03-inch diameter and four holes spaced at 90 degrees on 4.69-inch diameter mounting bolt circle. Assembly frequency response shall be 75Hz-15.7kHz (± 6 dB) and 57Hz-20kHz (± 7.4 dB). External metal parts shall be zinc-plated. The mounted transformer shall be 70V with selectable taps at 1, 2, 4, and 8W. Transformer response shall be 50Hz–15kHz ($+1$ dB) with insertion loss of 0.8dB. The assembly shall have an overall depth of 3.9 inches. Assembly weight shall be 2.6 lbs.

JR410 SERIES OVERVIEW

Model No.	Driver	Transformer	Transformer Primary Taps	Mounting Depth*	Outside Diameter	Net Weight	Sensitivity**	System Specs Frequency Response	Dispersion Angle***
JR410	4" 15W cone	---	---	2.08"	5.03"	1.7 lbs.	90.8 dB	67Hz–16kHz (±6dB) 53Hz–20kHz (±8dB)	170°
JR410-T72	4" 15W cone	25V/70V	.25, .5, 1, 2, 5W	3.52"	5.03"	2.1 lbs.	90.8 dB	67Hz–16kHz (±6dB) 57Hz–20kHz (±7.4dB)	170°
JR410-T470	4" 15W cone	70V	.5, 1, 2, 4W	3.71"	5.03"	2.3 lbs.	90.2 dB	66Hz–16kHz (±6dB) 57Hz–20kHz (±7.9dB)	170°
JR410-T870	4" 15W cone	70V	1, 2, 4, 8W	3.9"	5.03"	2.6 lbs.	91.4 dB	75Hz–15.7kHz (±6dB) 57Hz–20kHz (±7.4dB)	170°

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SPEC

* Mounting Depth: Minimum depth required for assembly to be rear-mounted to grille in an enclosure.

** Sensitivity: Average SPL (1W/1M)

*** Dispersion Angle: Conical @ 2kHz octave (–6dB)

Note on Speaker Spacing: Conical dispersion measurements are provided for comparison with other speakers. To determine correct speaker spacing, see the technical paper "Distributed System Speaker Spacing for the Integrator" (www.Lowellmfg.com) which explains the difference between conical and linear dispersion and the measurements to use for best results. For quick calculations, a calculator for speaker spacing is also available online under Resources – Interactive Tools.