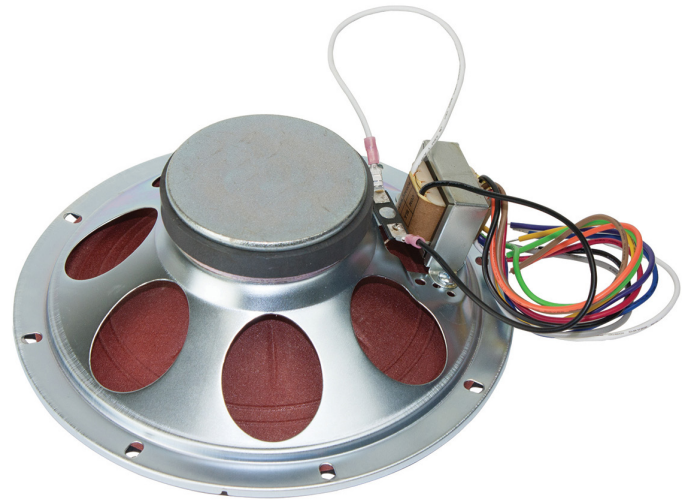


Model No.

8C10MRB-T72

8-inch 15W Moisture-Resistant Cone Driver with Transformer



INCLUDES:

- 8-inch 15W moisture-resistant cone driver
- 25V/70V dual-voltage transformer

THE 8C10MRB-T72 MOISTURE-RESISTANT DRIVER WITH TRANSFORMER is made for utility paging and low level background music systems that may be subjected to high humidity such as those in greenhouses, locker rooms, hot tub areas, protected spaces in outdoor cafes, and similar venues.

FEATURES

DESCRIPTION: The 8-inch single cone driver features a 10 oz. magnet, 1-inch voice coil, and cotton cloth cone that's treated with phenolic resin and coated with acrylic lacquer for moisture-resistant performance. The driver is made to mount to a standard 8-inch grille and backbox and is suitable for use in indoor areas or outdoor areas that protected from direct exposure to elements (rain, snow, sun, etc.).

FRAME: Stamped 20-gauge steel basket with zinc-plated finish to prevent rust and corrosion

POWER RATING: 15W RMS

TRANSFORMER: 25V/70V dual-voltage transformer with primary taps @ 0.25, 0.5, 1, 2, and 5W.

FREQUENCY RESPONSE: 75Hz–7.5kHz (± 6 dB);
50Hz–20kHz (± 17.8 dB)

DISPERSION ANGLE: 90 degrees conical @2kHz octave (-6dB).

SENSITIVITY: Average SPL = 96.8dB (@1W/1M);
Maximum SPL = 103.8dB (calculated based on power rating and measured sensitivity).

MOUNTING DEPTH: 2.84 inches

NET WEIGHT: 2.4 lbs.

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

A&E SPECIFICATIONS

The 8-inch driver with transformer shall be Lowell Model 8C10MRB-T72. It shall be the permanent magnet type with a cotton cloth cone treated with phenolic resin and coated with acrylic lacquer for moisture resistant performance. The voice coil shall have a diameter of 1-inch and operate in a magnetic field derived from a strontium ferrite (ceramic) magnet having a nominal weight of 10 oz. Voice coil impedance shall be 8 ohms. Rated power capacity shall be 15 watts RMS. The frame shall be stamped 20-gauge steel with 8.062-inch diameter and eight obround holes equally spaced at 45 degrees on a 7.625-inch diameter mounting bolt circle. External metal parts shall be zinc-plated to resist rust and corrosion. The mounted transformer shall be dual-voltage 25V/70V with primary taps at 0.25, 0.5, 1, 2, and 5W. The driver with transformer assembly depth shall not exceed 2.84 inches. It shall be capable of producing a uniform audible frequency response over the range of 75Hz–7.5kHz (± 6 dB) and 50Hz-20kHz (± 17.8 dB) with dispersion angle of 90 degrees @2000Hz (-6dB). Average sensitivity shall measure 96.8dB SPL (at 1W/1M).

8C10MRB SERIES OVERVIEW

Model No.	Driver	Transformer	Transformer Primary Taps	Mounting Depth*	Outside Diameter	Net Weight	Sensitivity***	System Specs Frequency Response	Dispersion Angle****
8C10MRB	8" 15W moisture-resistant cone	---	---	2.84"	8.062"	2 lbs.	96.7 dB	77Hz–7.5kHz (±6dB) 50Hz–20kHz (±18.3dB)	90°
THIS SPEC 8C10MRB-T72	8" 15W moisture-resistant cone	25V/70V	.25, .5, 1, 2, 5W	2.84"	8.062"	2.4 lbs.	96.8 dB	75Hz–7.5kHz (±6dB) 50Hz–20kHz (±17.8dB)	90°

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

** Sensitivity: Average SPL (measured 2.83V @ 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.