

# **Electro-Voice 1829BT 60 Watt/70V Driver for CDP Projectors and Reentrant Horns/Weather Resistant**

The Electro-Voice 1829BT is a heavy-duty convertible driver for use in high-power public address installations. The driver has a rugged phenolic diaphragm, two-inch diameter voice coil, and "rim centered" ferrite magnet structure for long life and reliability under extreme operating conditions. The unit also includes connections for 25V/70 V distributed systems and a power tap select switch. The exterior is finished in durable waterproof paint, and all metal parts have been treated for resistance to high humidity and fungus. Ideal for both indoor and outdoor applications, this driver is well suited for any installation requiring rugged high-power performance.

## **Architects' and Engineers' Specifications**

The loudspeaker shall be of the compression-driver type having a rugged phenolic diaphragm and a high-temperature rated 5.08-cm (2.0-in.) voice coil.

The loudspeaker shall exhibit essentially flat power response from 280 to 8,000 Hz with a smoothly rolled-off response beyond. Its sensitivity, when mounted on a Electro-Voice FC100 horn, will be 105 dB (1 W/1 m) with a 500-to-5,000-Hz pink noise signal applied.

The loudspeaker will be capable of handling a 60-watt, 500-to-5,000-Hz pink noise signal with a 6-dB crest factor for a period of eight hours.

The loudspeaker shall have a diameter of 13.5 cm (5.3 in.) and a length of 16.2 cm (6.4 in.). It shall have a throat opening of 3.0 cm (1.2 in.) with a 1 3/8"-18 thread for mounting.

The loudspeaker is the Electro-Voice 1829BT which includes a 70V line-matching transformer and weighs no more than 3.2 kg (9.8 lb).