



## 30-Watt Explosion-Proof Loudspeaker Model GA-MLE3-E32

**Description** Bogen Model GA-MLE3-E32 is used to designate the Atlas Sound® explosion-proof compression driver/horn assembly Models MLE-3T and MLE-32 when specifying and ordering through Bogen. These assemblies are engineered for high-efficiency voice and electronic signal communication in hazardous areas. Drivers, which are protected within a rugged die-cast aluminum housing, have 30-watt power handling, and are equipped with 1/2" conduit access and an adjustable mounting bracket. The spun aluminum bell provides a 95-degree circular distribution emphasis.

Install this loudspeaker to efficiently and safely communicate in combustible and dust-filled areas. Driver complies with the regulations governing electrical equipment at hazardous locations as set forth by the National Electric Code. Driver listed by UL.

- Features**
- Explosion-proof loudspeaker for signal and communications systems
  - Internally mounted, factory-installed transformer
  - 30-watt high-intelligibility driver in cast aluminum housing
  - Efficiency of reflex-style projectors with wide angle or circular sound dispersion

**Technical Specifications**

**Power Rating:** 30 watts  
**Frequency Response:** 200 Hz to 10 kHz  
**Sound Level:** 110 dB (1W/1m)  
**Sensitivity:** -20 dBm  
**Dispersion:** 95 degrees  
**Impedance:** 8 ohms  
**Internal Transformer:** 30 watts, Model T-20  
**Assembly Size:** 16-1/2" x (42 x 54.6 cm)  
**UL Listings:** Class 1 / Division 1 / Group B, C & D for atmospheres containing Gas Atmospheres (including ethyl, ether, gasoline naphtha, alcohols, butane, propane) plus Hydrogen, Gas, and Vapor (manufactured gas)

**Architect and Engineer Specifications**

Bogen Model GA-MLE3-E32 is an Explosion-Proof Loudspeaker manufactured by Atlas Sound® as their Model MLE-3T driver and MLE-32 horn assembly. The explosion-proof loudspeaker shall be UL listed for use in specified hazardous locations and/or combustible atmosphere as classified by the National Electric Code and specified as UL Class 1/ Division 1/ Group B, C & D.

The loudspeaker shall have a UL approved compression driver for 30-watt distributed application with internally mounted 30-watt transformer. The transformer shall have primary impedance taps at 2500, 1300, 666, 333, 167, 89, and 45 ohms. Corresponding power taps for 70.7V line use shall be 1.8, 3.7, 7.5, 15, and 30. Power taps for 25V line shall be 1.89, 3.7, 7, and 15. Secondary impedance shall be 8 ohms.

Driver and transformer shall be mounted within a heavy, cast aluminum housing. Voice coils shall be field-replaceable. Projector horn shall be a reflex type with polycarbonate re-entrant section for 95-degree sound coverage. Driver and horn assembly shall have a frequency response of 200 Hz – 10 kHz with sensitivity of -20 dBm (measured at 10 dynes/cm<sup>2</sup>). Sound pressure level shall be a minimum of 110 dB (measured at 1W/1m).