

# Easy Design™ Horn Loudspeakers

## Model HS30EZ



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### Description

The Bogen HS30EZ horn loudspeaker is a compact, high intelligibility, reentrant type loudspeaker designed for use with 70V amplifier systems. Its sturdy, weatherproof, all metal construction is ideal for indoor and outdoor use in industrial plants, warehouses, schools, construction sites, transportation terminals, and recreational areas.

The HS30EZ is a 30-watt single-tap speaker with stepped volume control. Engineered to simplify installation (with a uniquely designed all-purpose mounting bracket) and field maintenance (with a self-aligning, field replaceable diaphragm), use of Bogen horn-type loudspeakers saves both time and money. Both the speaker and the mounting bracket are attractively finished in textured mocha enamel.

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### Features

- 30W power handling
- Screw terminal connections for fast installation
- Single-tap design
- Works with 70V amplifier outputs
- Stepped attenuator volume control
- Swivel and tilt mounting base for flexibility in coverage
- High intelligibility and efficiency
- Weatherproof, all metal construction
- I-beam mounting clamp (optional)

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COMMUNICATIONS, INC.

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<b>Technical Specifications</b>	<b>Power Rating (RMS):</b>	30 watts continuous
	<b>Frequency Response:</b>	225Hz to 14kHz
	<b>Impedance:</b>	163 ohms (for use on 70V amplifier outputs)
	<b>Sound Pressure Level:</b>	125dB @ 4 ft. on axis with 30 watt input@1000Hz
	<b>Dispersion:</b>	100°
	<b>Dimensions:</b>	11" diameter x 10-1/2" depth (27.9 x 26.7cm)
	<b>Shipping Weight:</b>	7 lbs.
	<b>Finish:</b>	Textured mocha enamel

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<b>Architects and Engineers Specifications</b>	<p>The loudspeaker shall be a Bogen Model ____ (HS30EZ), or approved equivalent, reentrant type horn loudspeaker. The frequency response shall be 225Hz to 14kHz. Rated power output shall be 30 watts, RMS continuous. Dispersion shall be 100°. Sound pressure level, measured four feet on axis with 30 watt input @ 1000Hz, shall be at least 125 dB.</p>	<p>Screw terminals shall be provided for connection to the audio line. A plastic cover shall be provided to protect the connectors and stepped volume control, and provide strain relief for the audio line.</p>
	<p>The unit shall have an impedance of 163 ohms.</p>	
	<p>The loudspeaker shall be of weatherproof, all metal construction, with driver enclosed within a waterproof housing. The loudspeaker shall include a self-aligning, field-replaceable diaphragm.</p>	<p>An all-purpose mounting bracket shall provide precise positioning in the vertical and horizontal planes with a single adjustment. The bracket shall include banding slots to permit mounting the loudspeaker on beams or pillars. An I-beam mounting bracket shall be available as an accessory. Bracket and loudspeaker shall be finished in textured mocha enamel. The unit shall measure 11" diameter by 10-1/2" depth. Shipping weight shall be 7 lbs.</p>