

Wide Dispersion Reentrant Horn Loudspeaker



Model KFLDS30T

Description

The Bogen KFLDS30T is a wide dispersion, high-intelligibility, reentrant-type horn loudspeaker designed for applications where wide angle projection and directivity is a necessity.

The flare-shaped horn can be rotated to project wider dispersion in either the horizontal or vertical plane. The speaker's all-purpose tilt-and-swivel base simplifies installation and positioning.

Its sturdy, weatherproof, polycarbonate and aluminum construction is ideal for both indoor and outdoor use.

Screw terminals make installation fast and easy. A plastic cover protects the connectors and 70V/25V tap selector switch, as well as provides strain relief for the audio line.

Features

- 30 Watts max. @ 70 volts or 15 Watts max. @ 25 volts
- Weatherproof polycarbonate and aluminum construction
- Driver enclosed in weatherproof housing
- 70° × 95° dispersion with rotatable horn flare
- All-purpose mounting bracket provides precise positioning in the vertical and horizontal planes with a single adjustment
- Seven-position, weather-sealed tap selector switch
- Rotary switch-selected power taps
- Tap settings for 70V: 30, 15, 7.5, 3.7, 1.8 watts; for 25V: 15, 7.5, 3.7, 1.8, 0.9, 0.5, 0.25 watts
- Self-aligning, field-replaceable diaphragm
- High-intelligibility and efficiency
- Screw terminals for easy audio line connection
- Plastic cover protects connectors and tap selector switch, also provides strain relief for the audio line
- Textured mocha enamel finish on aluminum, matching polycarbonate horn flare
- Limited lifetime warranty
- Mountable to I-beam flange using Bogen's BC1 Beam Clamp (sold separately)
- Mountable to electrical box using Bogen's HSES10 mounting strap (sold separately)
- Terminal Cover (TCSPT1) allows connection of conduit fittings to horn speakers (sold separately)

Technical Specifications

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| Power Rating (RMS): | 30 Watts continuous (70V amplified systems); 15 Watts continuous (25V amplified systems) |
| Frequency Response: | 300 Hz to 12 kHz |
| Impedance: | 25/70 volts |
| Power Taps: | 70V: 1.8, 3.7, 7.5, 15, or 30 watts 25V: 0.25, 0.5, 0.9, 1.8, 3.7, 7.5, or 15 watts |
| Sound Pressure Level: | 119 dB @ 1m on axis @ 30 watts (avg 400 Hz to 3 kHz) 104 dB @ 1m on axis @ 1 watt (avg 400 Hz to 3 kHz) |
| Dispersion: | 70° x 95°, rotatable horn flare |
| Dimensions: | 14-3/8" W x 8-1/4" H x 12-7/8" D |
| Product Weight: | 6 lb. |
| Finish: | Textured mocha enamel finish on aluminum, matching polycarbonate horn flare |

Architect and Engineer Specifications

The loudspeaker shall be a Bogen Model KFLDS30T. It shall be a wide dispersion, reentrant-type horn loudspeaker. The frequency response shall be 300 Hz to 12 kHz. Rated power output shall be 30 Watts RMS continuous when driven by a 70V amplified system and 15 Watts RMS when driven by a 25V amplified system. Dispersion shall be 70° x 95° with the rotatable horn flare allowing control of the dispersion orientation. Sound pressure level, measured 1 meter on axis at 30 Watts input, shall be at least 119 dBspl.

The unit shall incorporate a seven-position weather-sealed switch to allow selection of output power taps. Power tap capacity shall be adjustable at 70V to 1.8, 3.7, 7.5, 15, or 30 watts; and at 25V to 0.25, 0.5, 0.9, 1.8, 3.7, 7.5, or 15 watts.

The loudspeaker shall be of weatherproof aluminum construction with polycarbonate horn flare. The driver shall be enclosed within a waterproof housing. The loudspeaker shall include a self-aligning, field-replaceable diaphragm.

Screw terminals shall be provided for connection to the audio line. A plastic cover shall be provided to protect the connectors and tap selector switch, and provide strain relief for the audio line. An optional terminal and tap selector fitting (Model TCSPT1, sold separately) shall allow placement of rigid or flex conduit to wrap to back of horn.

An all-purpose mounting bracket shall provide precise positioning in the vertical and horizontal planes with a single wingnut adjustment. The bracket shall include banding slots to permit mounting the loudspeaker on beams or pillars and provisions for use of a Bogen BC1 beam clamp.

Bracket and horn loudspeaker shall be finished in mocha. The unit shall measure 14-3/8" W x 8-1/4" H x 12-7/8" D. Product weight shall be 6 lb.



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