

TECHNICAL SPECIFICATION
30-WATT AMPLIFIED HORN
MODEL V-1038



FEATURES:

- Indoor/Outdoor Use
- Built-In 30-Watt Amplifier Module
- High Impact ABS Housing
- Built-In Volume Control
- Omni-Directional Mounting Base
- Wall or Electrical Box Mount
- Operates On -48 Vdc Power Supply
- I-Beam Clamp Included



DESCRIPTION:

The V-1038 is a weather resistant, reentrant 30-watt amplified horn speaker, complete with 30-watt amplifier, volume control, horn housing, mounting base and I-beam clamp.

Specifications

SOUND PRESSURE LEVELS

125 dB measured at 4' (1.22 m) on axis with a -10dBm input at 1 kHz

FREQUENCY RESPONSE

225 Hz to 14 kHz

DISPERSION

120° Horizontal and 90° Vertical

AMPLIFIER MODULE

Rated Output: 30-Watts RMS

Output Load: 8 Ohms

Impedance: 600 Ohms (1 kHz at rated output)

Power Supply: -48 Vdc nominal, positive ground

Operating Current: 1 Amp at -48 Vdc

HOUSING AND FINISH

The horn is made of high impact ABS plastic. The mounting base is constructed of ultra-high impact LEXAN® plastic.

ENVIRONMENT

Temperature: -4 to +13 °F (-20 to +55°C)

Humidity: -0-95% Non-Condensing

DIMENSIONS AND WEIGHT

7.68" H x 12.25" W x 11.62" D (19.53cm H x 31.12cm W x 29.53cm D)

Weight: 4.1 lbs (1.845 kg) **Shipping Weight:** 5.5 lbs (2.475 kg)

MOUNTING

Omni-Directional mounting fully adjustable, 360° horizontal and 160° vertical. Detachable base for wall or electrical box mounting with I-beam clamp included.

ARCHITECTS' AND ENGINEERS

The 30-Watt Amplified Horn, Model V-1038, shall be weather-resistant, high efficiency reentrant type horn with high frequency diffuser. It shall be equipped with an amplifier, externally accessible volume control. It shall include a detachable base for wall or single, double or octagon electrical box mounting and omni-directional ball joint mounting bracket to allow precise positioning in the vertical and horizontal planes with a single adjustment. An I-beam mounting clamp shall also be provided.

The frequency response shall be 225 Hz to 14 kHz. Dispersion shall be 120 horizontal and 90° vertical. Sound pressure level shall be 125 dB measured at 4 feet (1.22 m) on axis with an input to the amplifier module being - 10 dBm at 1 kHz. Distortion shall be less than 2.0% at rated output of 30 watts RMS. Output load shall be 8 ohms. Input impedance shall be 600 ohms nominal. The amplifier shall operate on a -48 Vdc nominal, positive ground power supply. Operating current shall be 1 Amp at -48 Vdc. Operating temperature shall be -4 to +131°F (-20 to 55°C). Operating humidity shall be 0-95% noncondensing.

The horn shall be constructed of high impact ABS plastic. The mounting base shall be constructed of LEXAN® an ultra-high impact material which is stronger and tougher than die casting. The finish shall be beige with brown accent. The I-beam mounting clamp shall be constructed of zinc chromate plated steel.

Dimensions of the horn shall be 7.68" H x 12.25" W x 11.62" D (19.53cm H x 31.12cm W x 29.53cm D). Weight shall be approximately 4.1 lbs (1.845 kg). LEXAN® Registered Trademark of General Electric Co.

Warranty information may be found on our website at www.valcom.com/warranty.