

TECHNICAL SPECIFICATION

15-WATT AMPLIFIED HORN

MODEL V-1036C, V-1036C-GY, V-1036M

VALCOM[®]

FEATURES:

- Indoor/Outdoor Use
- Built-In 15-Watt Amplifier Module
- High Impact Abs Housing
- Built-In Volume Control
- Omni-Directional Mounting Base
- Wall or Electrical Box Mount
- Operates On -24 Vdc Power Supply
- I-Beam Clamp Included



DESCRIPTION:

The V-1036C (beige), V-1036C-GY (gray) and V-1036M (white) are weather resistant, reentrant, 15-watt amplified horn speaker, complete with 15-watt amplifier, volume control, horn housing, mounting base and I-beam clamp.

Specifications

SOUND PRESSURE LEVELS

121 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: 5 Watts RMS

Output Load: 8 Ohms Input

Impedance: 600 Ohms (1 kHz at rated output)

Power Supply: -24 Vdc nominal, positive ground

Operating Current: 300 mA at -24 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 +131°F (-20 to +55°C)

Humidity: -0-95% Non-Condensing

DIMENSIONS AND WEIGHT

7.38 "H x 10.0 "W x 10.4 "D (18.7452 cm x 25.4 cm x 26.416 cm)

Weight: 3.7 lbs (1.62 kg) **Shipping Weight:** 4.5 lbs (2.025 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 15-Watt Amplified Horn, Model V-1036C, shall be an FCC registered, 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 FCC registration number shall be BAFUSA-69358-KX-N.

The frequency response shall be 225 Hz to 14 kHz. Dispersion shall be 120 horizontal and 90° vertical. Sound pressure level shall be 121 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 15 watts RMS. Output load shall be 8 ohms. Input impedance shall be 600 ohms nominal. The amplifier shall operate on a -24 Vdc nominal, positive ground power supply. Operating current shall be 900 mA at -24 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 I-beam mounting clamp shall be constructed of zinc chromate plated steel. Dimensions of the horn shall be 7.38 "H x 10.0 "W x 10.4 "D (18.7452 cm x 25.4 cm x 26.416 cm). Weight shall be approximately 3.7 lbs (1.665 kg). LEXAN[®] Registered Trademark of General Electric Co.

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