

Technical Specifications

V-1020C Amplified Round Ceiling Speaker

- Paging, emergency alerts and tones
- One-way paging
- Utilizes standard CAT 3, 5, or 6 cable
- Excellent voice and music reproduction
- Built-in accessible volume control
- Additional pop-on, pop-off knob included
- Electrically, acoustically matched components
- Sturdy steel grille
- Quick and easy installation
- Indoor use only



*Self-amplified one-way
flush mount*

Description:

The V-1020C is an 8-Inch One-Way Round Ceiling Speaker that generates high quality voice paging and emergency alerts for indoor areas. The V-1020C is designed for quick and easy installation.

SPECIFICATIONS

SPEAKER ELEMENT

Cone Diameter: 8.00in (20.32cm)
Voice Coil Impedance: 45 Ohms

INPUT

Impedance: > 600 Ohms nominal
Signal Level: -15 dBm line level

OUTPUT

Rating: > 96 dB @ 4ft (1.22m)
Signal/Noise Ratio: -70

POWER REQUIREMENTS

50 mA @ -24 Vdc

FREQUENCY RESPONSE

80 Hz to 16 kHz

MAGNET

Cone type with 5oz (142g) ceramic magnet

ENVIRONMENT

Temperature: -4 to +131°F (-20 to +55°C)
Humidity: 0 to 95% non-condensing

HOUSING AND FINISH

Steel grille with a powder coated finish. The backbox is acoustically treated.

DIMENSIONS AND WEIGHT

13.00in Dia x 3.00in D
(33.02cm x 7.62cm)
Weight: 2.50lbs (1.13kg)
Shipping Weight: 5.15lbs (2.32kg)

MOUNTING ACCESSORIES

V-9914M-5 Support Bridge
V-9915M-5 Backbox
V-9916M Bridge and Backbox Assembly

2022 Rev. 7.7.18

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ARCHITECTS AND ENGINEERS

The Amplified Round Ceiling Speaker, model V-1020C, shall include a speaker, amplifier, volume control and round grille.

The V-1020C Amplified Round Ceiling Speaker assembly, amplifier module, housing and hardware shall be electrically and acoustically matched for a frequency response of 80 Hz to 15 kHz.

The V-1020C Amplified Round Ceiling Speaker element shall be cone type with 5oz (142g) ceramic magnet. Diameter of speaker cone shall be 8.00in (20.32cm). Voice coil diameter shall be 0.75in (1.91cm). Voice coil impedance shall be 45 ohms.

The V-1020C Amplified Round Ceiling Speaker shall have a frequency response of 80 Hz to 15 kHz. Distortion shall be less than 1.5% at rated output of 1-Watt RMS. Signal-to-noise ratio shall be -70 dB.

The V1020C amplifier shall operate on a -24 Vdc nominal power supply. Operating current shall be 50 mA at -24 Vdc. Operating temperature shall be -4 to +131 °F (-20 to +55 °C).

The V-1020C Amplified Round Ceiling Speaker grille shall be constructed of steel with a white powder coated finish. A screwdriver adjustable volume control shall be provided at the center of the grille. The externally accessible volume control shall make it possible to adjust volume level of speaker without removal of unit. The V-1020C shall be suitable for indoor applications.

The maximum dimensions shall be: 13.00in Dia x 3.00in D (33.02cm x 7.62cm). Weight shall be approximately: 2.50lbs (1.13kg).

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