

TECHNICAL SPECIFICATION
AMPLIFIED CEILING SPEAKER
MODEL V-1020C



FEATURES:

- Utilizes Standard CAT 3, 5, Or 6 Cable
- Excellent Voice and Music Reproduction
- Built-In Accessible Volume Control Per Input
- Additional Pop-On, Pop-Off Knob Included
- Wide Sound Dispersion
- Electrically, Acoustically Matched Components
- Sturdy Steel Grille



DESCRIPTION:

Ceiling flush mount 8" speaker assembly, complete with speaker, amplifier, built-in volume control and round grille.

Specifications

SPEAKER ELEMENT

Cone Diameter: 8" (20.32 cm)
Voice Coil Impedance: 45 Ohms

INPUTS

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

OUTPUT

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

FREQUENCY RESPONSE

80 Hz to 15 kHz

POWER REQUIREMENTS

50 mA @ -24 Vdc

ENVIRONMENT

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

HOUSING AND FINISH

Steel grille finished in semi-gloss white enamel. The backbox is acoustically treated. The metal backbox and support bridge are finished for rust prevention and are available separately.

DIMENSIONS AND WEIGHT

13.0 "Dia x 3.0 "D (33.02 cm x 7.62 cm)
Weight: 2.5 lbs (1.125 kg)
Shipping Weight: 3.5 lbs (1.575 kg)

MOUNTING ACCESSORIES

V-9914M Support Bridge (order in multiples of 5)
V-9915M Backbox (order in multiples of 5)
V-9916M Bridge and Backbox Assembly

ARCHITECTS' AND ENGINEERS

The ceiling flush mounted 8" (20.32 cm) amplified speaker, Model V-1020C, shall include a speaker, amplifier, volume control and round grille. The speaker assembly, amplifier module, housing and hardware shall be electrically and acoustically matched for a frequency response of 80 Hz to 15 kHz. The assembly shall be FCC part 68 Registered. The registration number shall be BAF917-69358-KX-N.

The speaker element shall be cone type with 5 oz (142 g) ceramic magnet. Diameter of speaker cone shall be 8.0" (20.32 cm). Voice coil diameter shall be .75" (1.91 cm). Voice coil impedance shall be 45 ohms.

The amplifier 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 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).

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 grille shall be constructed of steel, finished in semi-gloss white enamel.

The V-9915M-5 Backbox and V-9914M-5 Support Bridge shall be constructed of steel and finished for rust prevention.

The backbox shall be acoustically treated. Both the backbox and support bridge shall be available separately in quantities of five (5) or assembled together singly as the V-9916M.

The maximum dimensions shall be: Speaker and Grille - 13.0 "Dia x 3.0 "D (33.02 cm x 7.62 cm). Backbox: 4.0 "H x 12.3 "Dia (10.16 cm x 31.242 cm). Support Bridge: 23.75 "H x 14.5 "W x 1.5 "D (60.325 cm x 36.83 cm x 3.81 cm).

Weight shall be approximately: Speaker and Grille: 2.5 lbs (1.13 kg). Support Bridge: 1.0 lb (0.45 kg). Backbox 1.8 lbs (0.81 kg). Bridge and Backbox Assembly 2.5 lbs (1.13 kg).

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