

**TECHNICAL SPECIFICATION**  
**DUAL INPUT AMPLIFIED CEILING SPEAKER**  
**MODEL V-1220C**



**FEATURES:**

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



**DESCRIPTION:**

Ceiling flush mount dual input 8" speaker assembly, complete with speaker, amplifier, 2 separate built-in volume controls and round grille.

**Specifications**

**SPEAKER ELEMENT**

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

**INPUTS**

**Impedance:** > 600 Ohms nominal  
**Signal Level:** -10 dBm 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:** 2.3 lbs (1.04 kg)  
**Shipping Weight:** 3.7 lbs (1.67 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) amplified speaker, Model V-1220C, shall include a speaker, amplifier, two volume controls 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 10 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) with 2.0" (5.08 cm) whizzer cone. 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 10 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, positive ground power supply. Operating current shall be 50 mA at -24 Vdc.

Operating temperature shall be -4 to +131°F (-20 to +55°C).

One screwdriver adjustable volume control shall be provided at the center of the grille. The volume control for input two shall be accessible from the back of the speaker only. The externally accessible volume control shall make it possible to adjust volume level of one speaker input 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: 2.3 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 (1.04 kg).

Warranty information may be found on our website at [www.valcom.com/warranty](http://www.valcom.com/warranty).