

# CVF8

## surface mount foreground loudspeaker technical data sheet



### key features:

- weather resistant cabinet
- injection molded ABS cabinet
- one-piece mounting bracket included
- ferro fluid cooled HF for increased long term output

### key applications:

- background and foreground music systems
- retail space music systems
- outdoor patios
- voice paging

### description:

The Convex CVF8 is a 8" full range two-way loudspeaker with a sealed housing suitable for outdoor applications. The CVF series loudspeakers are sold in pairs complete with mounting brackets. The CVF series are made from the highest quality injection molded ABS housing available in both white and black. The full frequency response is delivered using a 8" mica LF driver and 0.5" mylar dome HF driver. The CVF8 loudspeakers terminate by a removable captive screw connector for ease of installation. The CVF8 has selectable 25 and 70 volt variable tap settings for constant voltage systems as well as a transformer bypass for direct 8Ω impedance systems.

### support hardware:

- CVHC protective wire cage

### specifications: CVF8

Driver	8" (203mm) LF 0.5" (12.7mm) HF
Cone material	mica (LF) mylar (HF)
Surround material	rubber
Sensitivity @ 8Ω	89dB
Max power	75W
Nominal dispersion	100°
Frequency range	50Hz / 20kHz ±10db
Impedance	8Ω (70v: 5, 10, 25, 50W) (25v: 5, 10, 25, 50W)
Minimum impedance	6.5Ω @ 10kHz
Termination type	removeable captive screw
Max wire gauge	14 AWG
Cabinet	injected ABS
Grille/bracket	aluminum

### physical dimensions:

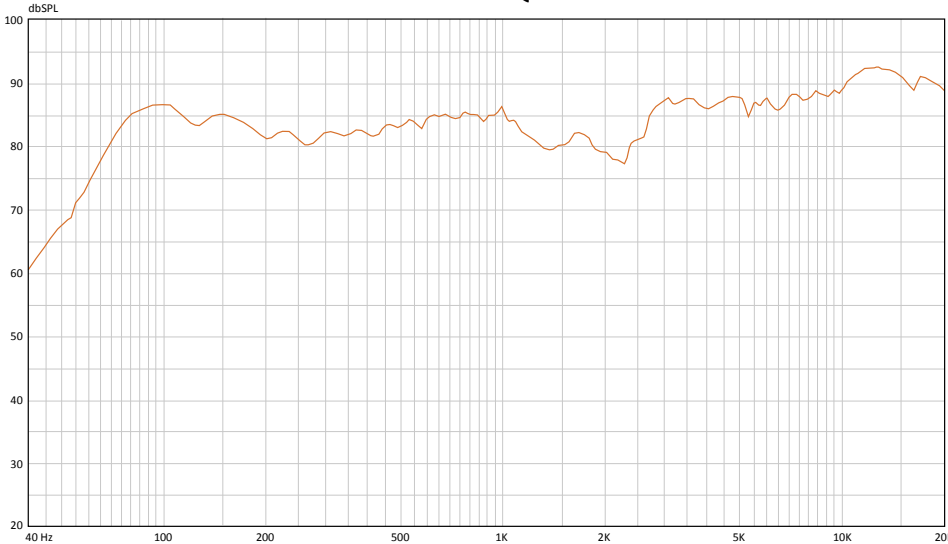
Dimensions	10.75" (273mm) wide x 14.25" (362mm) high x 8.25" (210mm) deep
Depth with bracket	9.78" (248mm)



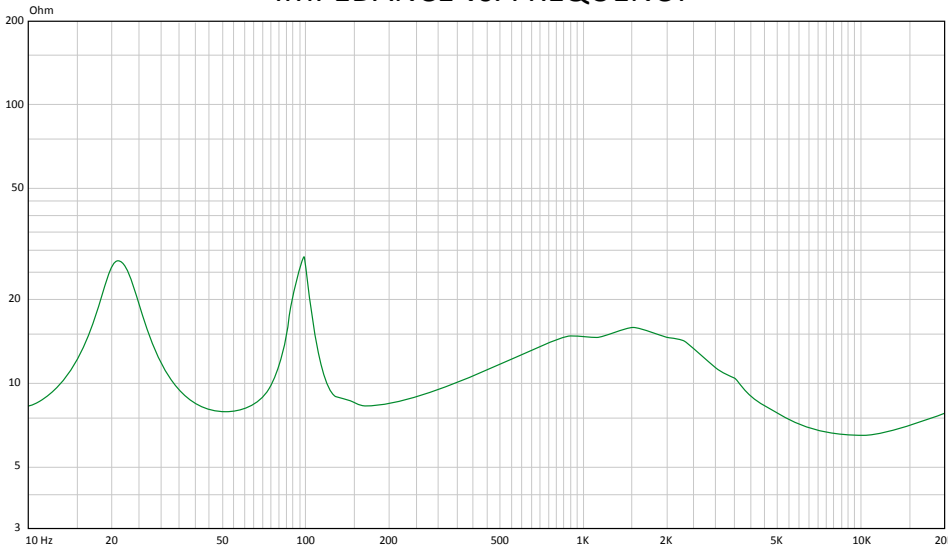
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### SPL vs. FREQUENCY



### IMPEDANCE vs. FREQUENCY



### architect's specification:

The surface mount loudspeakers shall be Convex CVF series part number CVF8 having a frequency response of not less than 50Hz to 20kHz  $\pm$  10dB. The speaker system shall be a two way configuration having a 8" poly-mica LF and a 1/2" Mylar HF having a maximum power handling of 75 watt RMS. These speakers must utilize a selectable impedance system suitable for 25 volt and 70 volt operation as well as direct 8  $\Omega$  systems. This must be selectable by way of rotary switching having settings at 5, 10, 25 and 50W @ 25 or 70 volts as well as 8 $\Omega$  direct. The surface mount loudspeakers shall ship complete with all mounting hardware. Grilles and mounting brackets must be suitable for outdoor use without rusting brackets and grilles made of steel will not be suitable.

### ordering information:

CVF8B (black)  
CVF8W (white)

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