

# CVPJ41 weather resistant horn loaded loudspeaker

## technical data sheet



### key features:

- injected ABS for outdoor use
- horn loaded for pattern control
- capable of playing background music

### key applications:

- transit stations
- large retail space
- schools
- outdoors

### description:

The CVPJ41 is excellent when the directivity and control of a horn is required but the sound quality of a cone driver is desired. The 4 inch treated paper cone driver used in the CVPJ41 produces a frequency response from 100Hz to 10kHz. Compared to a conventional reentrant horn speaker, the CVPJ41 will outperform on both speech and music reproduction. Finished with beige ABS bezel and gray aluminum grille.

### support hardware:

stainless steel mounting U bracket included

### specifications: CVPJ41

Driver (HF and LF)	4" (102 mm) full range
Cone material	Treated paper
Surround material	Treated paper
Voice coil size	1" (25mm)
Speaker basket	Stamped steel
Sensitivity	97dB
Max power	80W
Nominal dispersion	100° horizontal, 85° vertical
Frequency range	100hz / 16khz ±3db
Impedance	8Ω
Tap settings	70V (30w, 15w, 7.5w, 1.9w) 100V (30w, 15w, 7.5w) Direct (8Ω)
Minimum impedance	n/a
Termination type	Tined color code leads
Max wire gauge	12 AWG

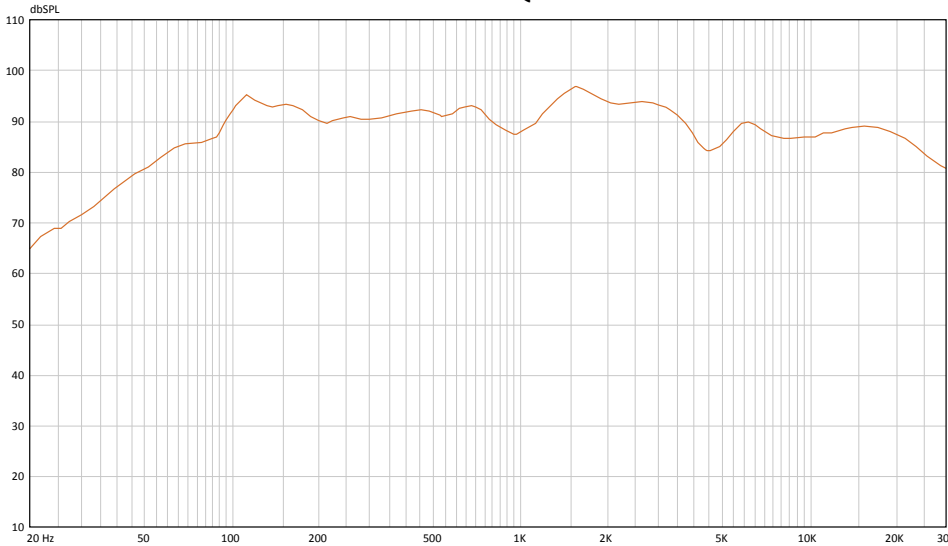
### physical dimensions:

Depth	10.78" (274 mm)
Horn width	14.38" (365 mm)
Bracket width	9.25" (235 mm)
Hole mount spacing	4" (101 mm)
Net weight	27.3 lbs (12.4 kg)

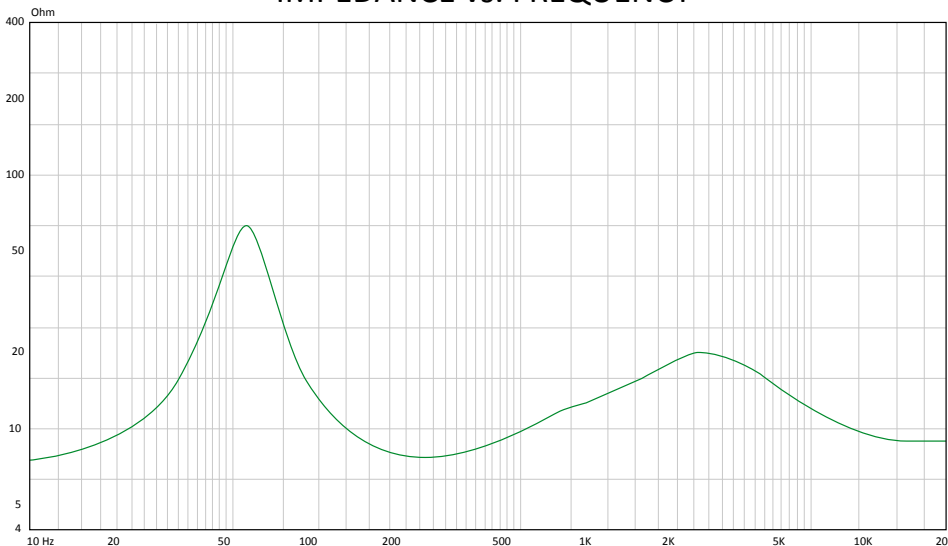


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### SPL vs. FREQUENCY



### IMPEDANCE vs. FREQUENCY



### architect's specification:

The horn loaded loudspeaker system shall be a Convex CVPJ41 sound projector consisting of a 4 inch treated paper cone driver mounted into an injection molded ABS weather resistant housing giving it a 100° horizontal and 85° vertical dispersion pattern.

Device shall have a frequency response of no less than 100Hz to 16kHz and having both direct 8Ω as well as 70V 100V multi tap settings for constant voltage use. Tap settings shall be in 3dB increments 30w, 15w, 7.3w, 3.8w, 1.9w @ 70V with a total power handling of 80 watts direct.

All exposed hardware and mounting brackets (included) must be stainless steel.

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