DATA SHEET

CVi SERIES - PORTABLE PASSIVE PA SPEAKERS

CVi-252

The CVi-252 is a portable, full range, dual fifteen-inch quasi 3-way main loudspeaker system designed for live music and playback applications. The CVi-252 features two high power, cast frame, fifteen inch transducers with a 2.5 inch voice coil to handle the low and low/midrange frequencies and a 34mm PETP (polyethylene terephthalate) diaphragm compression driver mounted to a 80° H x 50° V hemi conical horn for smooth, accurate on and off axis high frequency performance. Advanced crossover network designs are employed for coherent cross-band summation throughout the coverage pattern.

Applications

- Portable live sound PA
- DJ system PA
- Auditoriums
- Fill monitor
- Clubs
- Outdoor stages

Feature Data

Model	CVi-252
System Configuration	Quasi 3-Way main
Connections	2 ea.—¼" Phone Jack and Neutrik Speakon
Low Frequency System	Dual Reflex loaded 15" transducer
High Frequency System	1 inch exit 80° H x 50° V
Enclosure Type	Vented, trapezoid
Enclosure Structure	18mm OSB, internal bracing
External Covering	Black polypropylene fiber
Grille Material	18 gauge black powder coated steel

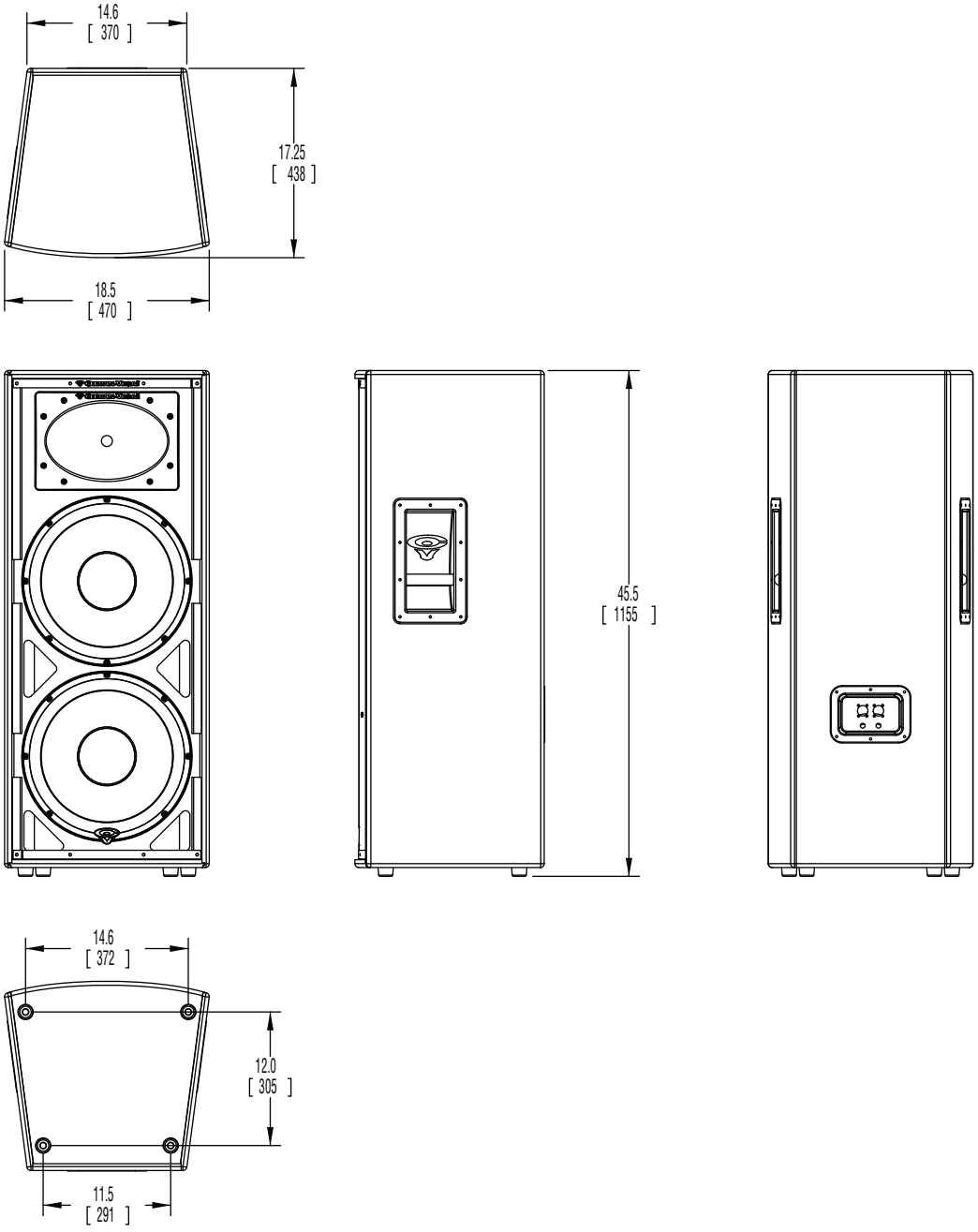
Performance & Physical Specifications

Frequency Response	+/- 3 dB 62 Hz—12 kHz
Operating Range	-10 dB 39 Hz—20 kHz
Nominal Impedance (Ohms)	Full Range 4 Ohms
Axial Sensitivity (dB SPL, 1W / 1M)	Full Range 99 dB
Calculated Maximum Output (dB SPL, @ 1M)	Full Range 132 dB
Power Handling (Watts)	RMS 500 W / Program 1000 W / Peak 2000 W
Nominal Directivity / -6dB points (Degrees)	Horizontal: 80° / Vertical: 50°
Dimensions (H x W x D)	45.50" (1155mm) x 18.50" (470mm) x 17.25" (438mm)
Weight	95.5 Lbs. (43.3 kg)

Cerwin-Vega! products are continually improved. All specifications are therefore subject to change without notice.

Enclosure

Material: 18mm OSB (Oriented Strand Board)
Finish: Black polypropylene fiber covering
Grille: Black powder coated 18 gauge perforated steel



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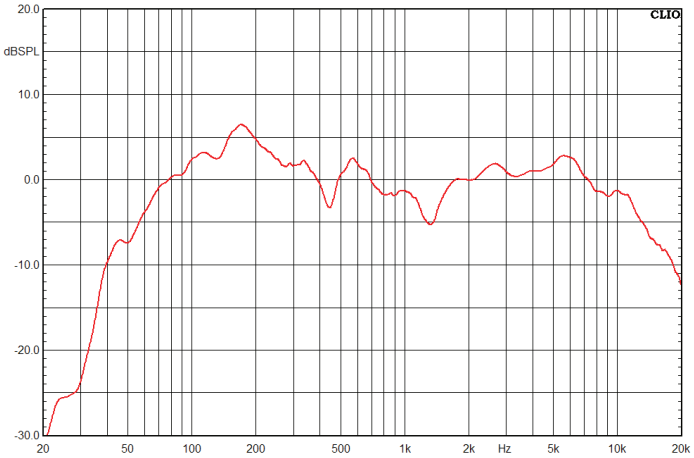
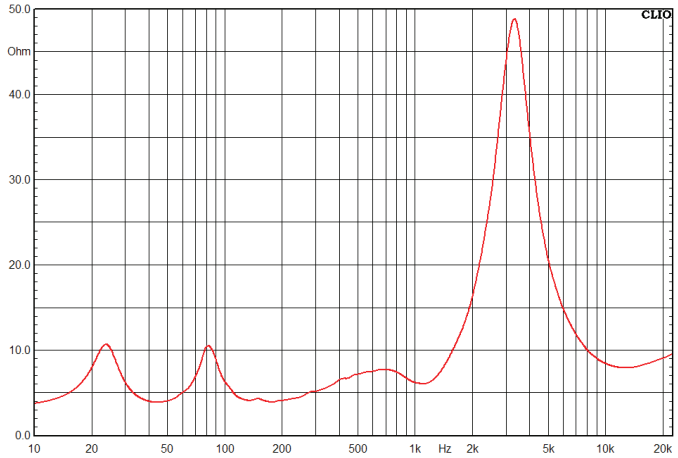
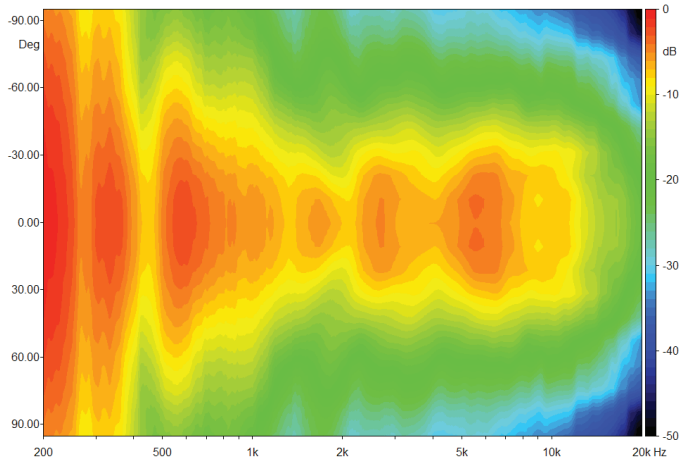
Frequency Response, Full Range



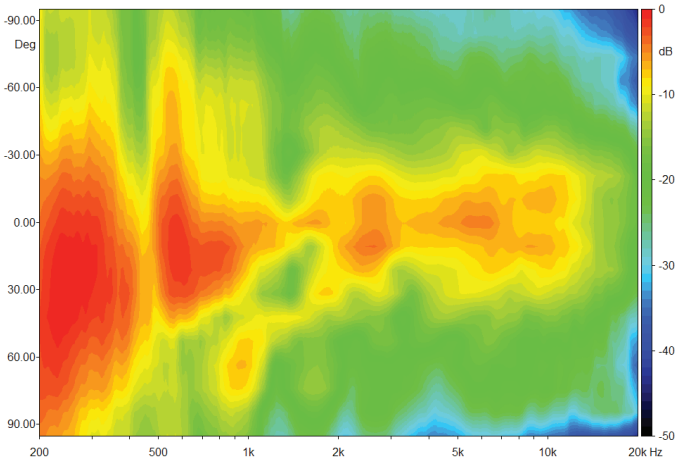
Impedance Magnitude, Full Range



Horizontal Directivity, Full Range



Vertical Directivity, Full Range



Graphical Data NOTES:

1. Frequency Response: Variation of dB SPL versus frequency. Normalized to 0dB SPL, 1/3 octave smoothing applied.

2. Horizontal Directivity: Variation of dB SPL versus frequency and horizontal off axis angle. Normalized to 0dB SPL, 1/3 octave smoothing applied to reduce insignificant details.

3. Vertical Directivity: Variation of dB SPL versus frequency and vertical off axis angle. Normalized to 0dB SPL, 1/3 octave smoothing applied to reduce insignificant details.

4. Impedance magnitude: Variation in impedance, in ohms, versus frequency. 1/6 octave smoothing applied to reduce insignificant details.

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