DATA SHEET

CVi SERIES - PORTABLE PASSIVE PA SPEAKERS

CVi-122M

The CVi-122M is a portable, full range, twelve-inch 2-way stage monitor / main loudspeaker system designed for live music and playback applications. The CVi-122M features a high power, cast frame twelve inch transducer 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

- Stage monitor
- Portable live sound PA
- Auditoriums
- Fill monitor
- DJ system PA
- Clubs

Feature Data

Model	CVi-122M
System Configuration	2-Way stage monitor
Connections	2 ea.—¼" Phone Jack and Neutrik Speakon
Low Frequency System	Reflex loaded 12" transducer
High Frequency System	1 inch exit 80° H x 50° V
Enclosure Type	Vented, wedge
Enclosure Structure	18mm OSB, internal bracing
External Covering	Black polypropylene fiber
Grille Material	18 gauge black powder coated steel

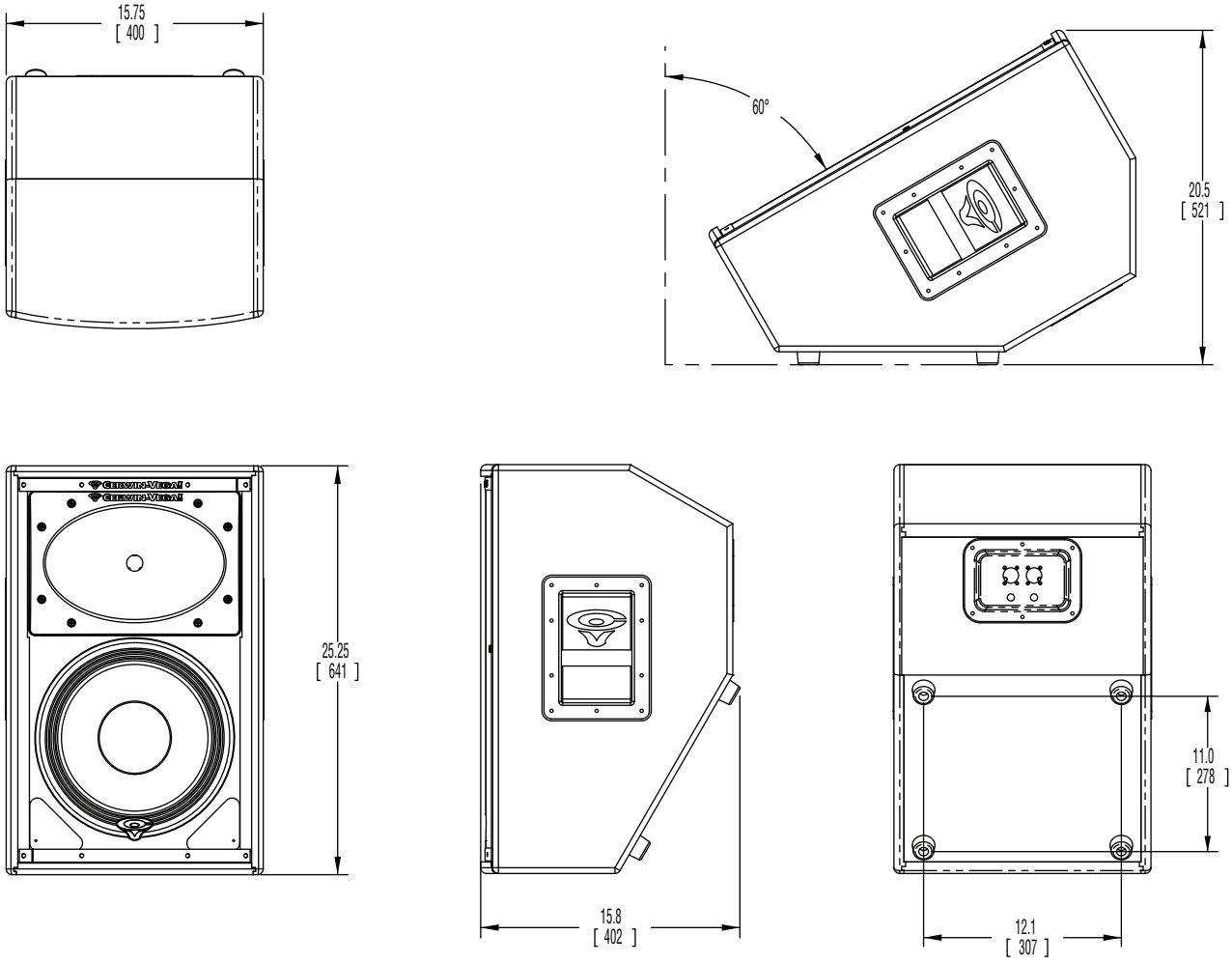
Performance & Physical Specifications

Frequency Response	+/- 3 dB 69 Hz—16 kHz
Operating Range	-10 dB 53 Hz—20 kHz
Nominal Impedance (Ohms)	Full Range 8 Ohms
Axial Sensitivity (dB SPL, 1W / 1M)	Full Range 98 dB
Calculated Maximum Output (dB SPL, @ 1M)	Full Range 128 dB
Power Handling (Watts)	RMS 250 W / Program 500 W / Peak 1000 W
Nominal Directivity / -6dB points (Degrees)	Horizontal: 80° / Vertical: 50°
Dimensions (H x W x D)	20.5" (521mm) x 15.75" (400mm) x 25.25" (641mm)
Weight	47 Lbs. (21.3Kg)

CVi-122M

Enclosure

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

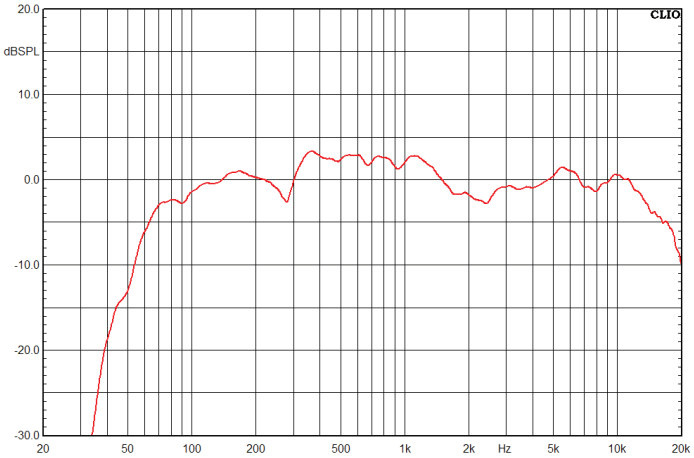


DATA SHEET

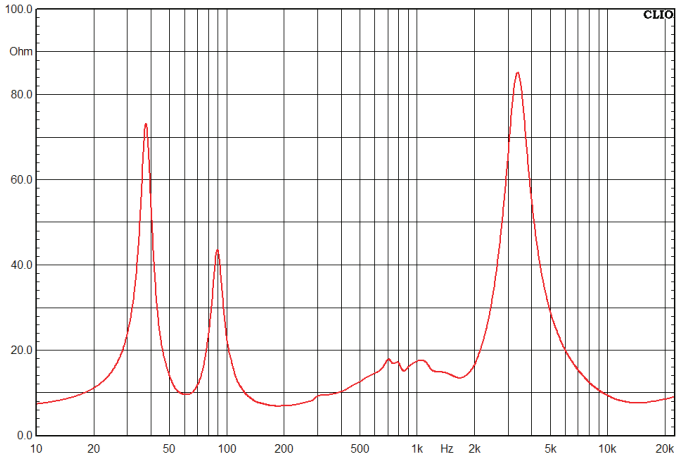
CVi SERIES - PORTABLE PASSIVE PA SPEAKERS

CVi-122M

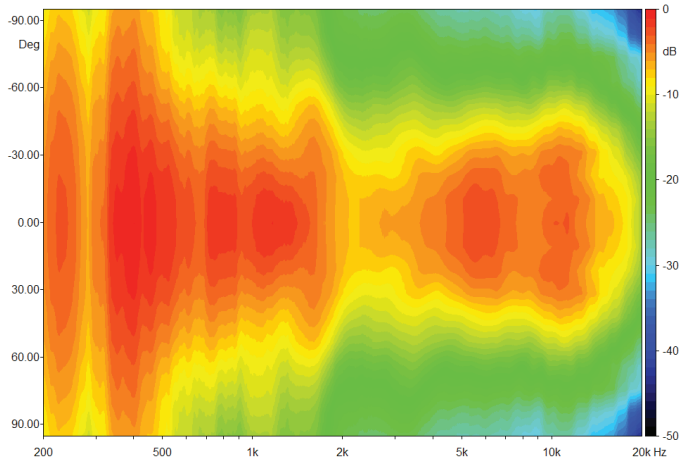
Frequency Response, Full Range



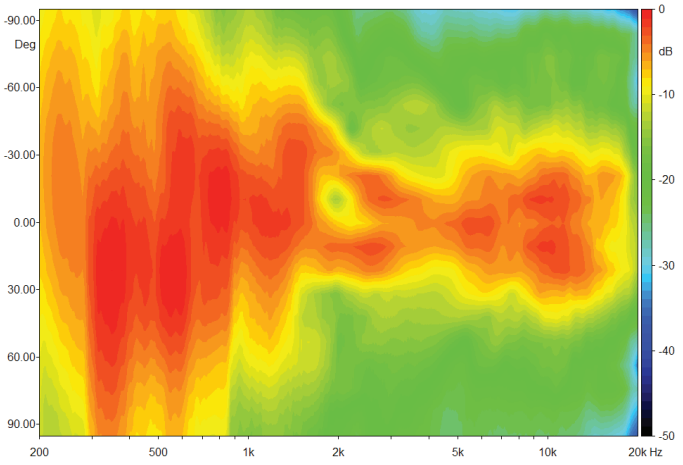
Impedance Magnitude, Full Range



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.

DATA SHEET

CVi SERIES - PORTABLE PASSIVE PA SPEAKERS

CVi-152

The CVi-152 is a portable, full range, fifteen-inch 2-way main loudspeaker system designed for live music and playback applications. The CVi-152 features a high power, cast frame, fifteen inch transducer 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-152
System Configuration	2-Way main
Connections	2 ea.—¼" Phone Jack and Neutrik Speakon
Low Frequency System	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

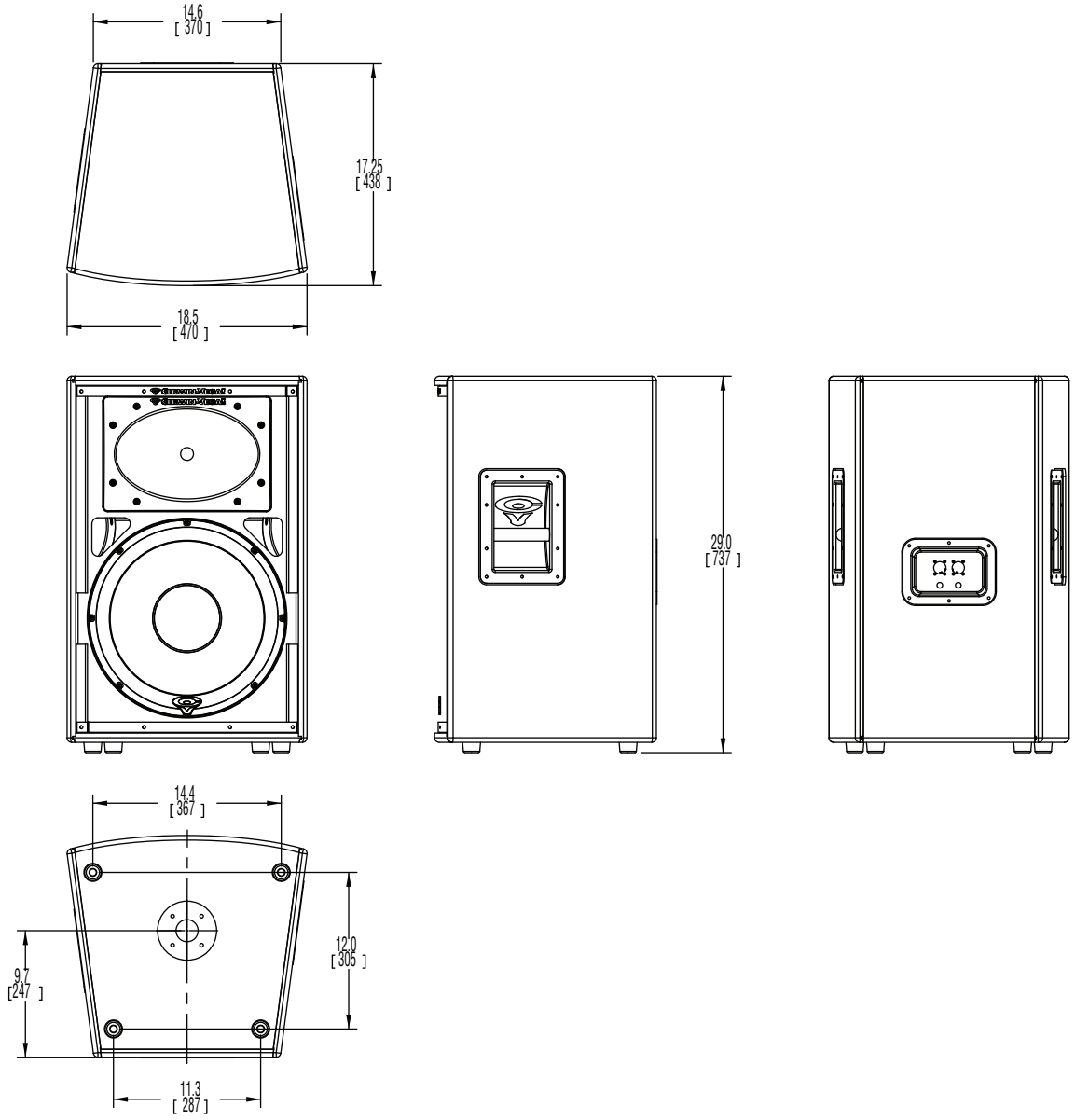
Performance & Physical Specifications

Frequency Response	+/- 3 dB 69 Hz—12 kHz
Operating Range	-10 dB 45 Hz—20 kHz
Nominal Impedance (Ohms)	Full Range 8 Ohms
Axial Sensitivity (dB SPL, 1W / 1M)	Full Range 99 dB
Calculated Maximum Output (dB SPL, @ 1M)	Full Range 129 dB
Power Handling (Watts)	RMS 250 W / Program 500 W / Peak 1000 W
Nominal Directivity / -6dB points (Degrees)	Horizontal: 80° / Vertical: 50°
Dimensions (H x W x D)	29" (737mm) x 18.5" (470mm) x 17.25 (438mm)
Weight	59.5 Lbs. (27 Kg)

CERWIN-VEGA!
The LOUD Speaker Company

Enclosure

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

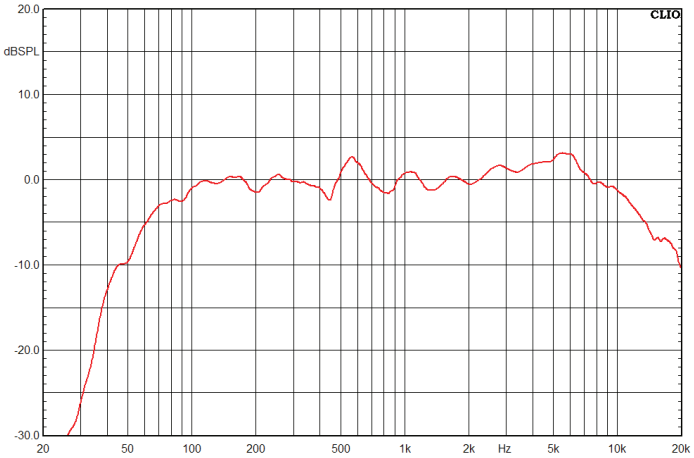


DATA SHEET

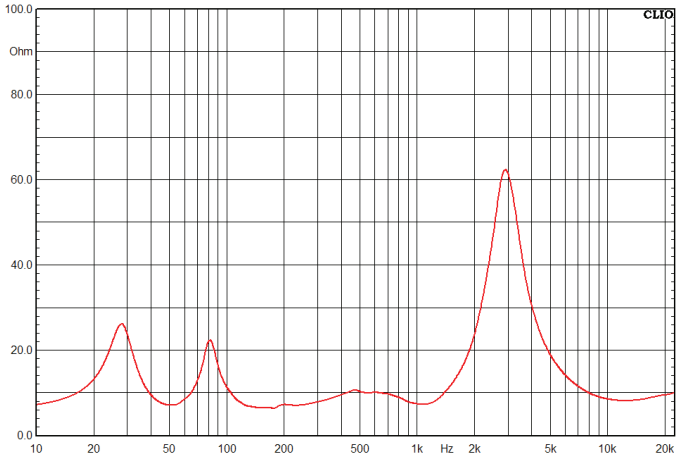
CVi SERIES - PORTABLE PASSIVE PA SPEAKERS

CVi-152

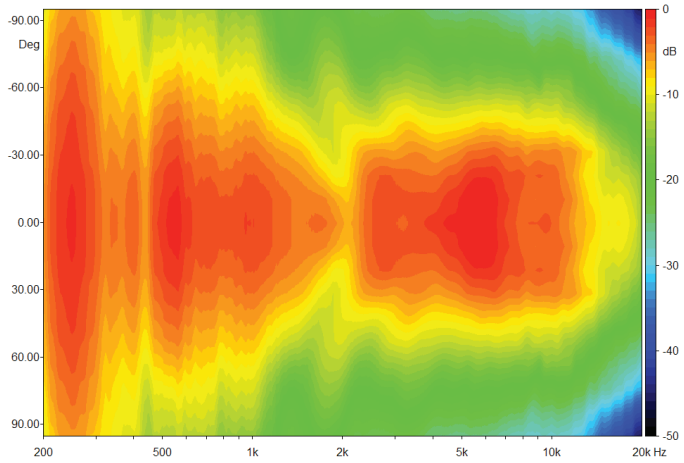
Frequency Response, Full Range



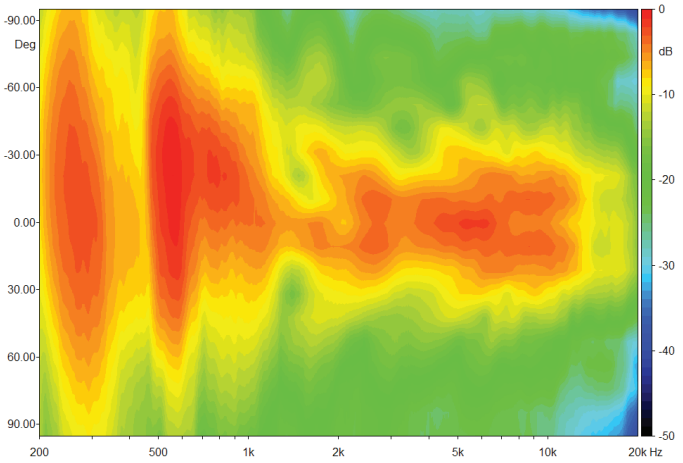
Impedance Magnitude, Full Range



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.

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

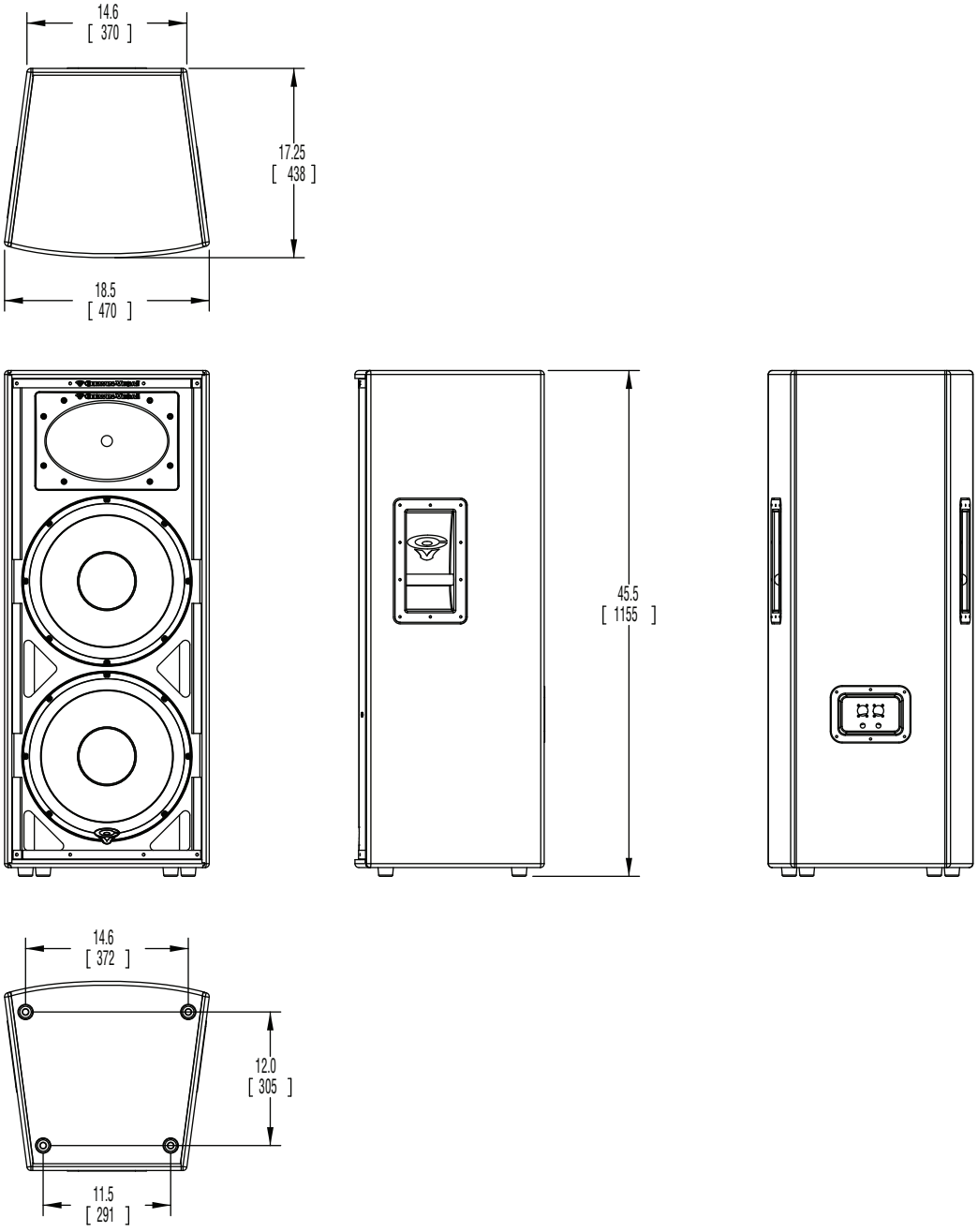
Model	CVi-252
System Configuration	Quasi 3-Way main
Connections	2 ea.—¼” Phone Jack and Neutrik Speakon
Low Frequency System	Dual Reflex loaded 15” transducer
High Frequency System	1 inch exit 80° H x 50° V
Enclosure Type	Vented, trapezoid
Enclosure Structure	18mm OSB, internal bracing
External Covering	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)

Enclosure

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

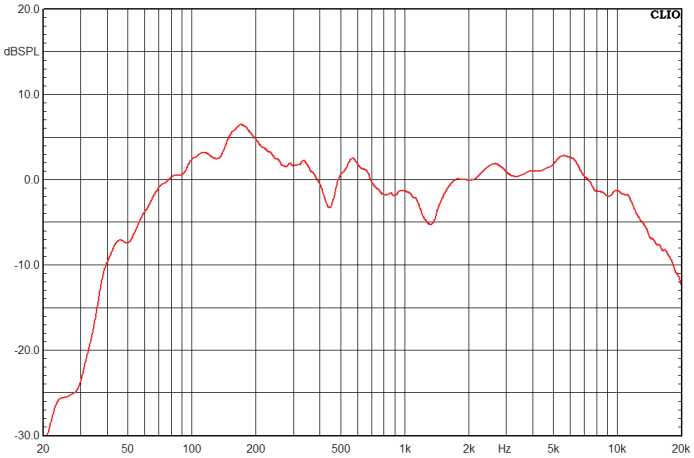


DATA SHEET

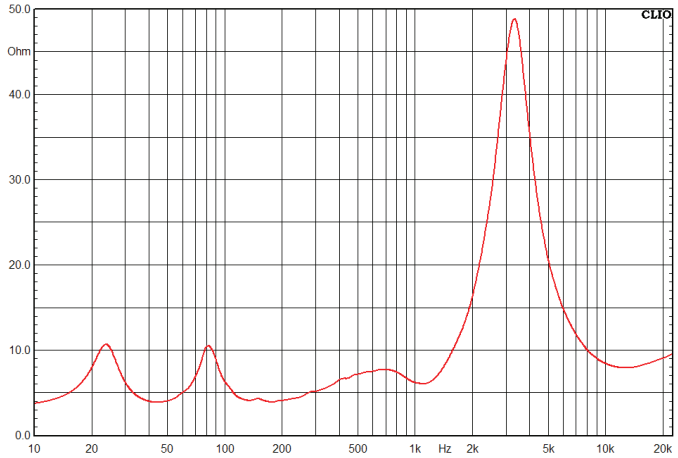
CVi SERIES - PORTABLE PASSIVE PA SPEAKERS

CVi-252

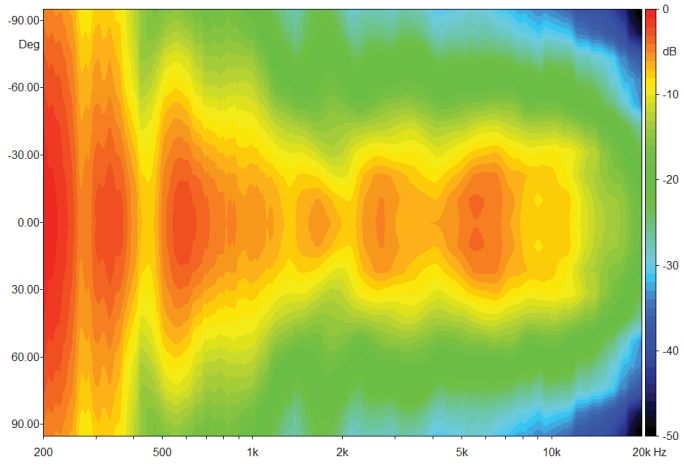
Frequency Response, Full Range



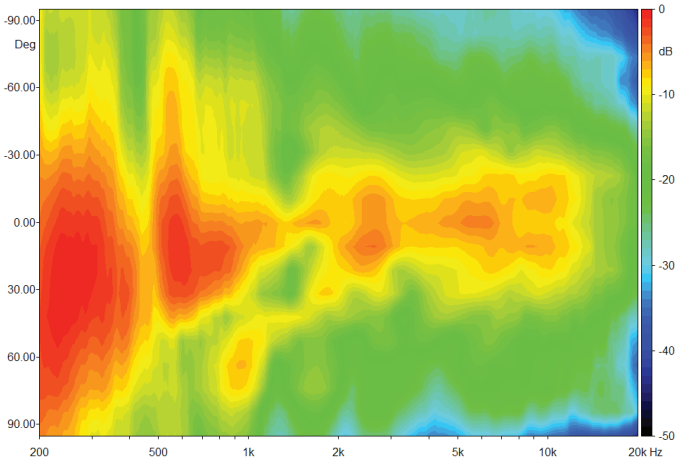
Impedance Magnitude, Full Range



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.

DATA SHEET

CVi SERIES - PORTABLE PASSIVE PA SPEAKERS

CVi-118S

The CVi-118S is a portable, eighteen inch dedicated subwoofer system designed to extend and supplement the low frequency extension of CVi full range systems in live music and playback applications. The CVi-118S features a high power, cast frame eighteen inch transducer with a 3" voice coil for extended use during high SPL applications. Steel handles and pole mount cup are also featured for use as a base for pole mounted full range systems.

Applications

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

Feature Data

Model	CVi-118S
System Configuration	Dedicated subwoofer
Connections	2 ea.—¼" Phone Jack and Neutrik Speakon
Low Frequency System	Reflex loaded 18" transducer
High Frequency System	N/A
Enclosure Type	Vented, polygon
Enclosure Structure	18mm OSB, internal bracing
External Covering	Black polypropylene fiber
Grille Material	18 gauge black powder coated steel

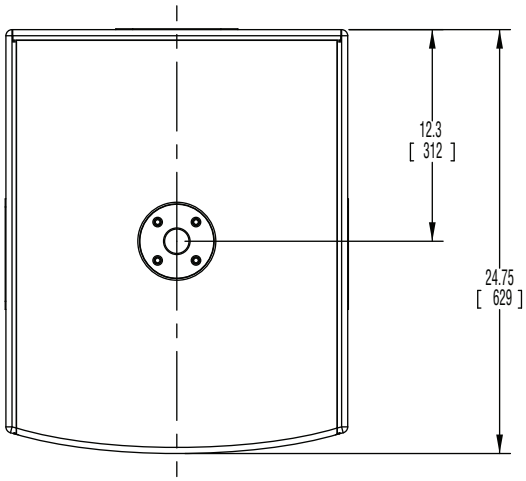
Performance & Physical Specifications

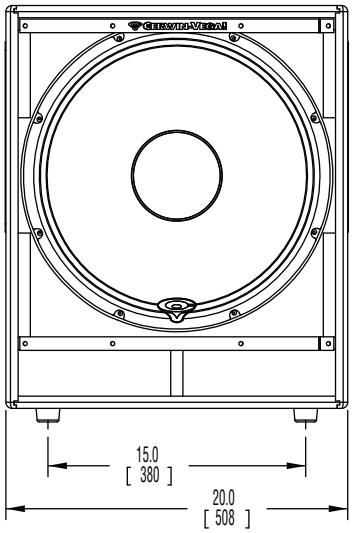
Frequency Response	+/- 3 dB 45 Hz—200 Hz
Operating Range	-10 dB 32 Hz
Nominal Impedance (Ohms)	Full Range 8 Ohms
Axial Sensitivity (dB SPL, 1W / 1M)	Full Range 95 dB
Calculated Maximum Output (dB SPL, @ 1M)	Full Range 126 dB
Power Handling (Watts)	RMS 300 W / Program 600 W / Peak 1200 W
Nominal Directivity / -6dB points (Degrees)	Horizontal: N/A / Vertical: N/A
Dimensions (H x W x D)	24.25" (616mm) x 20" (508mm) x 24.75" (629mm)
Weight	79.5 Lbs. (36.1Kg)

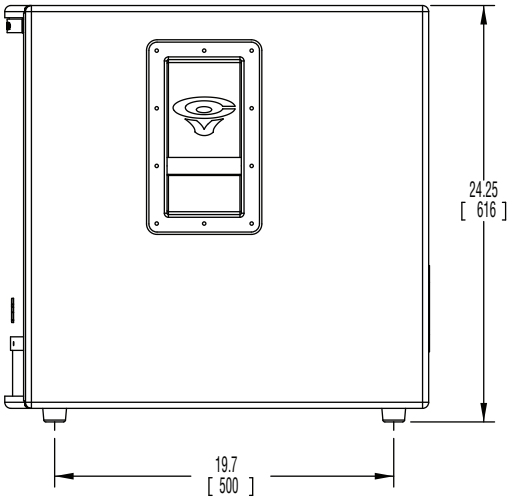
CERWIN-VEGA!
The LOUD Speaker Company

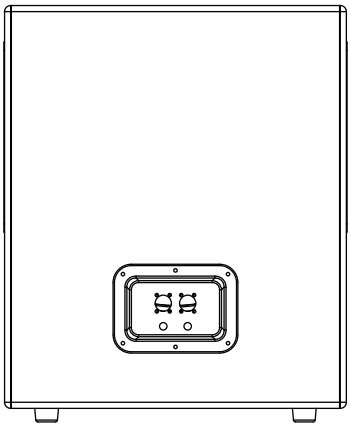
Enclosure

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

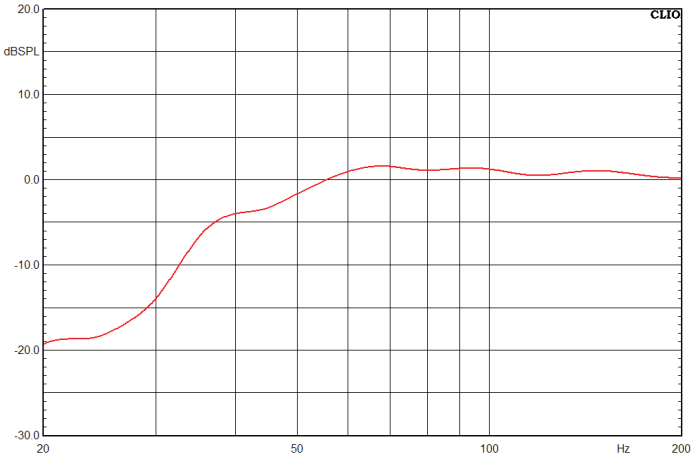




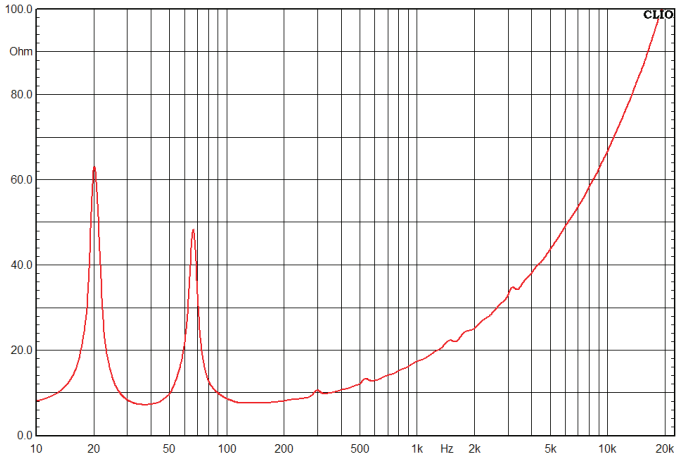




Frequency Response, Full Range



Impedance Magnitude, 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: N/A

4. Impedance magnitude: N/A

DATA SHEET

CVi SERIES - PORTABLE PASSIVE PA SPEAKERS

CVi-218S

The CVi-218S (Contra-Sub) is a portable, dual eighteen inch dedicated subwoofer system designed to extend and supplement the low frequency extension of CVi full range systems in live music and playback applications. The CVi-218S features two high power, cast frame eighteen inch transducers with 3" voice coils for extended use during high SPL applications. Steel handles and pole mount cup are also featured for use as a base for pole mounted full range systems. This configuration allows the two drivers to work together in the same acoustic space to reduce distortion components caused by driver mechanical non-linearity when the system is driven at high levels. The result is cleaner, smoother low frequency reinforcement at higher SPL levels.

Applications

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

Feature Data

Model	CVi-218S
System Configuration	Dedicated subwoofer
Connections	2 ea.—¼" Phone Jack and Neutrik Speakon
Low Frequency System	Reflex loaded 18" transducer
High Frequency System	N/A
Enclosure Type	Vented, polygon
Enclosure Structure	18mm OSB, internal bracing
External Covering	Black polypropylene fiber
Grille Material	18 gauge black powder coated steel

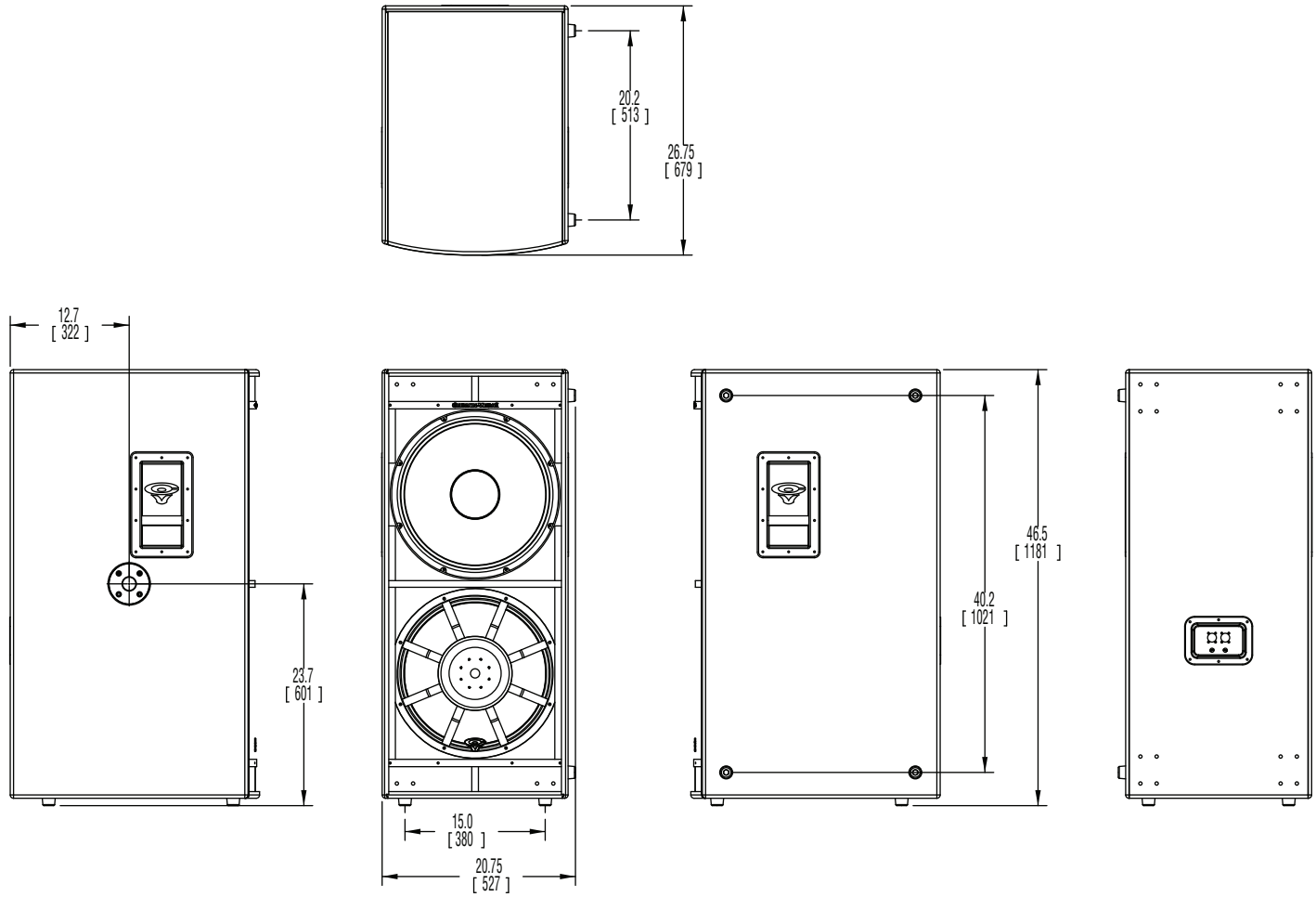
Performance & Physical Specifications

Frequency Response	+/- 3 dB 51 Hz—200 Hz
Operating Range	-10 dB 36 Hz
Nominal Impedance (Ohms)	Full Range 4 Ohms
Axial Sensitivity (dB SPL, 1W / 1M)	Full Range 100.5 dB
Calculated Maximum Output (dB SPL, @ 1M)	Full Range 134 dB
Power Handling (Watts)	RMS 600 W / Program 1200 W / Peak 2400 W
Nominal Directivity / -6dB points (Degrees)	Horizontal: N/A / Vertical: N/A
Dimensions (H x W x D)	46.50" (1181mm) x 20.75" (527mm) x 26.75" (679mm)
Weight	150 Lbs. (68 Kg)

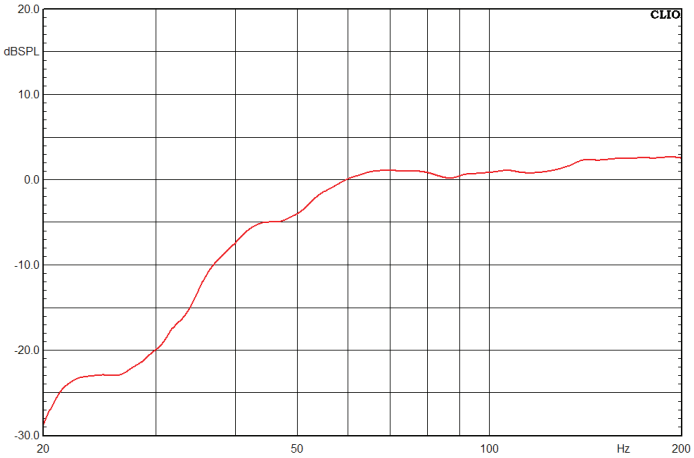
CERWIN-VEGA!
The LOUD Speaker Company

Enclosure

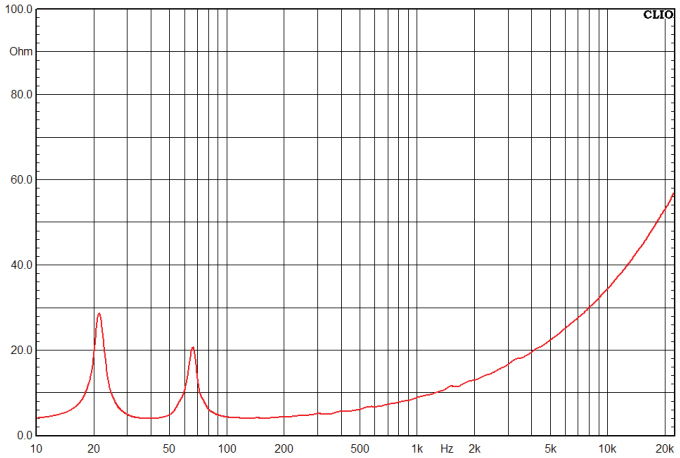
Material: 18mm OSB (Oriented Strand Board)
Finish: Black polypropylene fiber covering
Grille: Black powder coated 18 gauge perforated steel



Frequency Response, Full Range



Impedance Magnitude, 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: N/A

4. Impedance magnitude: N/A