BassLite CH2010 Larger Vented Bass Guitar Cabinet

By Jerry McNutt, Eminence Speaker LLC
Displacement Limited to 50 Watts; F3 of 54 Hz, slower roll off. Use a high pass filter set to 40 Hz.

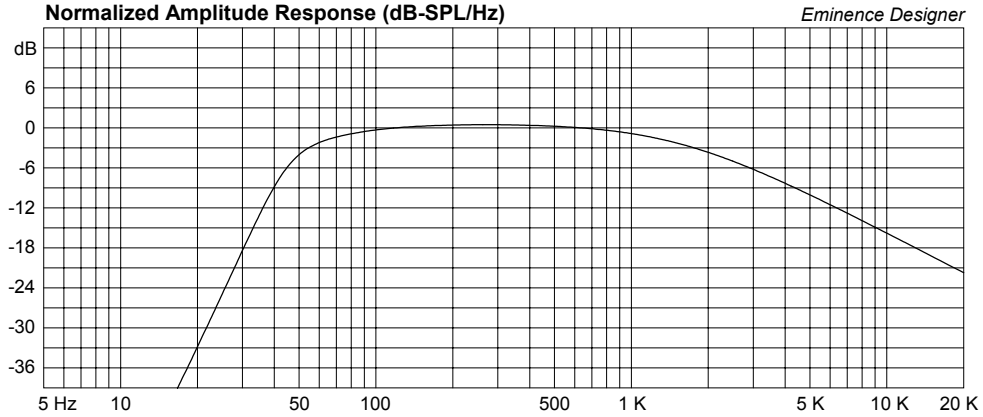
Box Properties

--Description--
Name:
Type: Vented Box
Shape: Prism, square
--Box Parameters--
Vb = 1.668 cu.ft
V(total) = 1.782 cu.ft
Fb = 50.07 Hz
QL = 7
F3 = 54.4 Hz
Fill = minimal
--Vents--
No. of Vents = 1
Vent shape = round
Vent ends = one flush
Dv = 4 in
Lv = 4.422 in

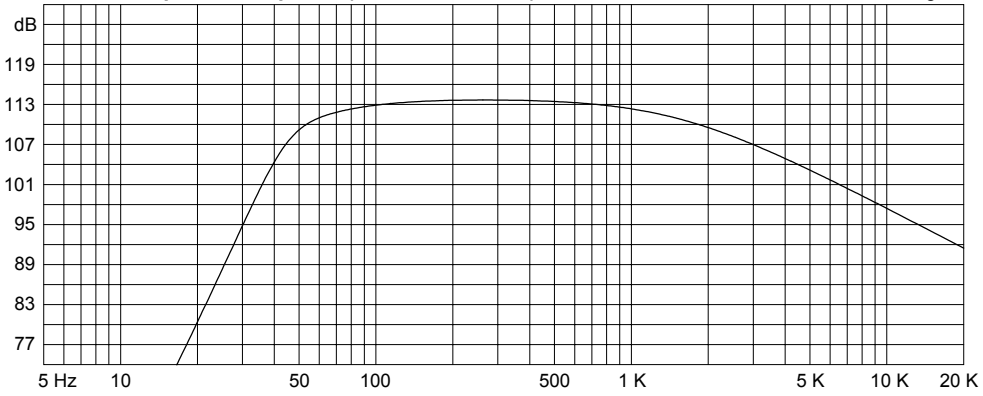
Driver Properties

--Description--
Name:
Type: Standard one-way driver
Comment: Rev NOV 2005
--Configuration--
No. of Drivers = 1
--Driver Parameters--
Fs = 57.85 Hz
Qms = 6.5
Vas = 43.17 liters
Xmax = 3.49 mm
Sd = 344.9 sq.cm
Qes = 0.47
Re = 5.37 ohms
Le = 0.52 mH
Z = 8 ohms
Pe = 150 watts

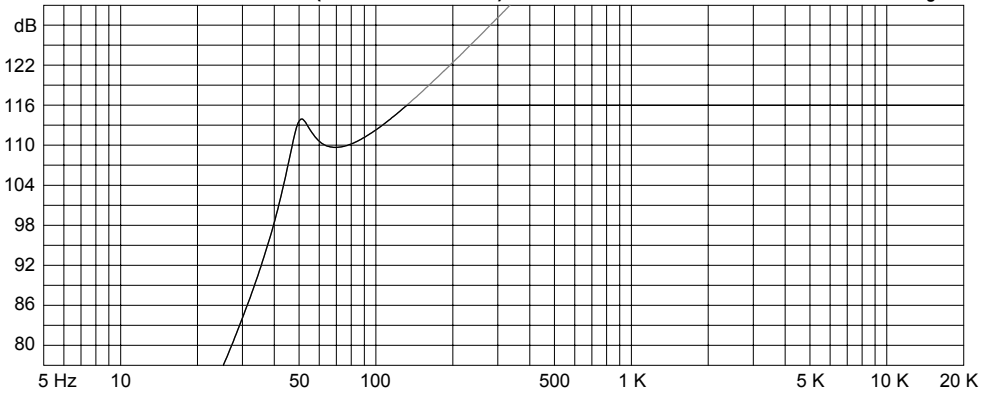
Normalized Amplitude Response (dB-SPL/Hz) *Eminence Designer*



Custom Amplitude Response (dB-SPL/Hz at 1 m) with 50 watts *Eminence Designer*

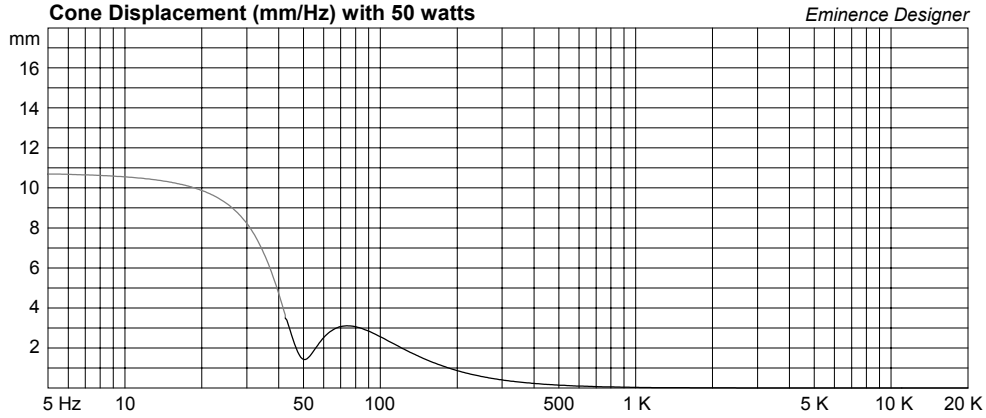


Maximum Acoustic Power (dB-SPL/Hz at 1 m) *Eminence Designer*



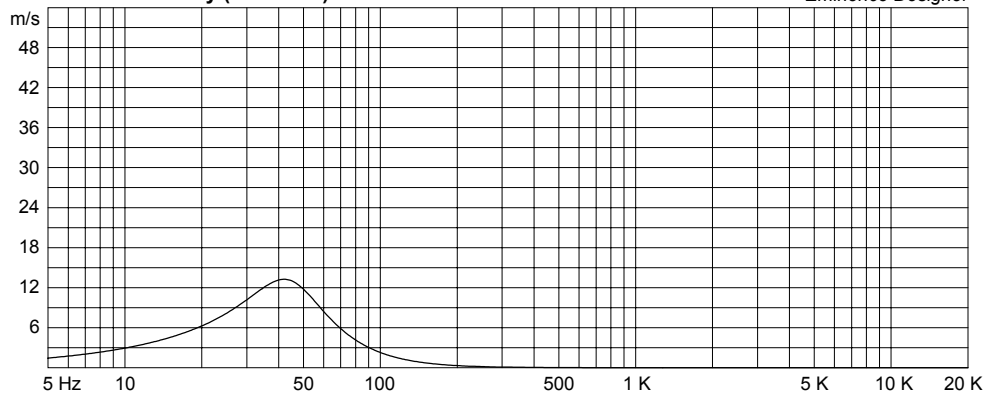
Cone Displacement (mm/Hz) with 50 watts

Eminence Designer



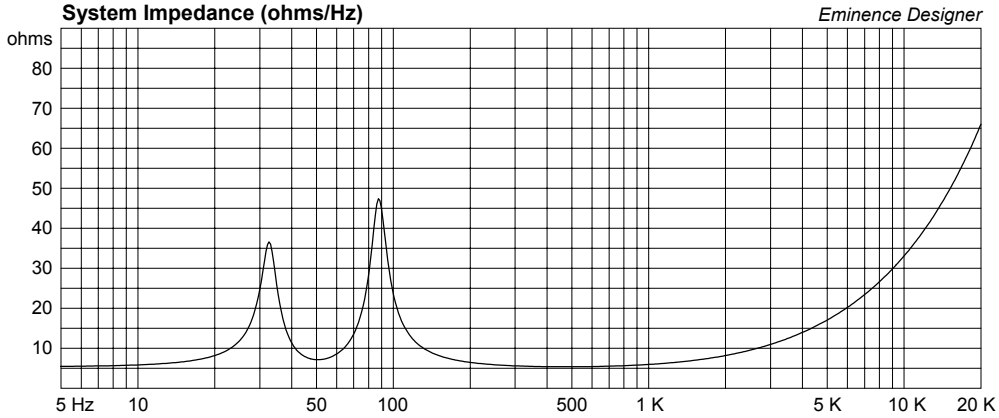
Vent Air Velocity (m/sec/Hz) with 50 watts

Eminence Designer



System Impedance (ohms/Hz)

Eminence Designer



BassLite CH2010 Med Vented Bass Guitar Cabinet

By Jerry McNutt, Eminence Speaker LLC
Displacement Limited to 75 Watts; F3 of 54 Hz. Use a high pass at 45 Hz.

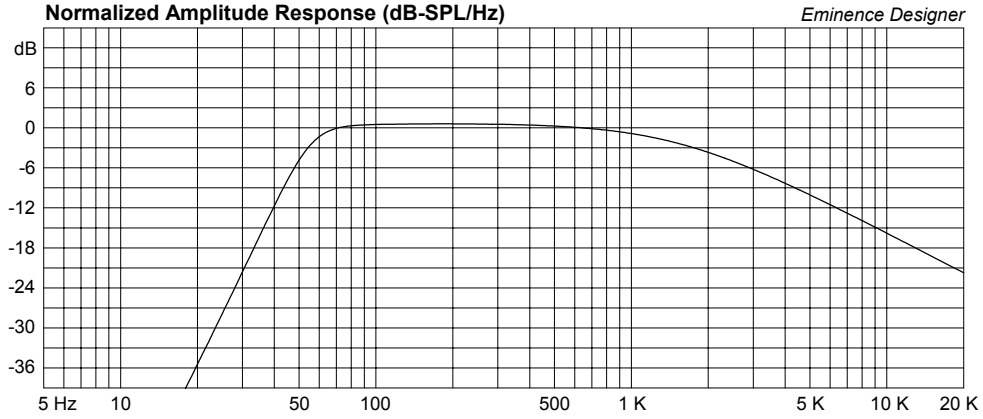
Box Properties

--Description--
Name:
Type: Vented Box
Shape: Prism, square
--Box Parameters--
Vb = 1.668 cu.ft
V(total) = 1.781 cu.ft
Fb = 57 Hz
QL = 7
F3 = 54.12 Hz
Fill = minimal
--Vents--
No. of Vents = 2
Vent shape = round
Vent ends = one flush
Dv = 3 in
Lv = 3.743 in

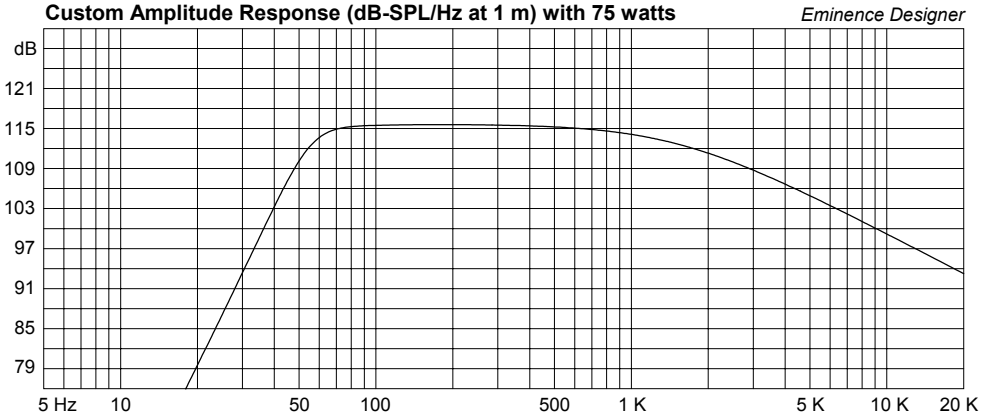
Driver Properties

--Description--
Name:
Type: Standard one-way driver
Comment: Rev NOV 2005
--Configuration--
No. of Drivers = 1
--Driver Parameters--
Fs = 57.85 Hz
Qms = 6.5
Vas = 43.17 liters
Xmax = 3.49 mm
Sd = 344.9 sq.cm
Qes = 0.47
Re = 5.37 ohms
Le = 0.52 mH
Z = 8 ohms
Pe = 150 watts

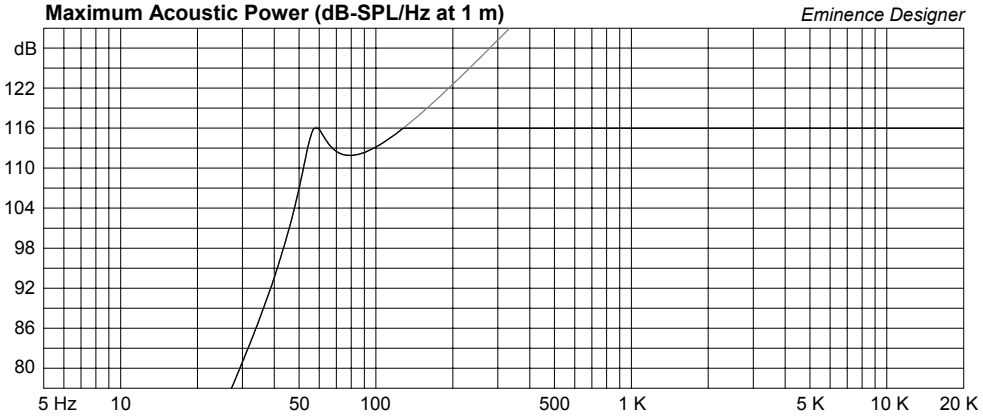
Normalized Amplitude Response (dB-SPL/Hz) *Eminence Designer*



Custom Amplitude Response (dB-SPL/Hz at 1 m) with 75 watts *Eminence Designer*

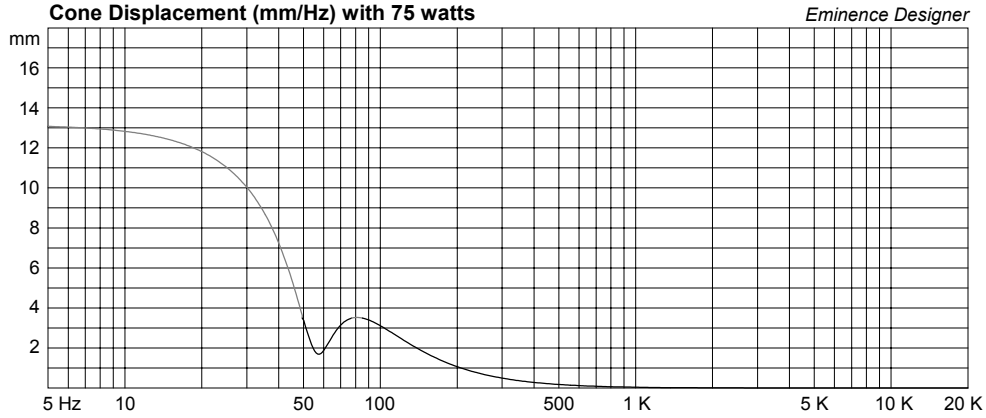


Maximum Acoustic Power (dB-SPL/Hz at 1 m) *Eminence Designer*



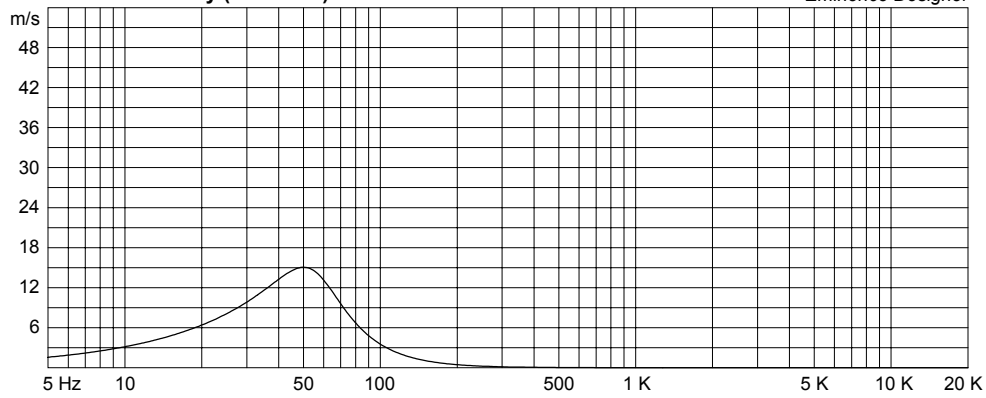
Cone Displacement (mm/Hz) with 75 watts

Eminence Designer



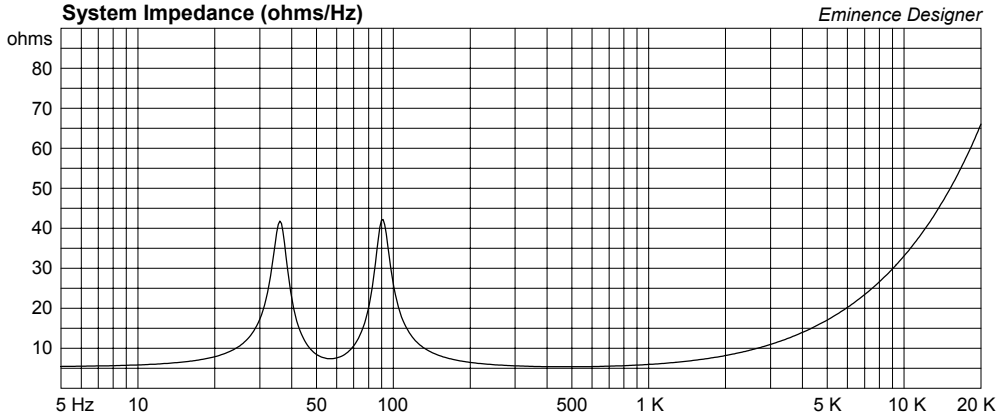
Vent Air Velocity (m/sec/Hz) with 75 watts

Eminence Designer



System Impedance (ohms/Hz)

Eminence Designer



BassLite CH2010 4x10 Vented Bass Guitar Cabinet

By Jerry McNutt, Eminence Speaker LLC
Displacement Limited to 300 Watts; F3 of 71 Hz. Use a High pass at 40 Hz.

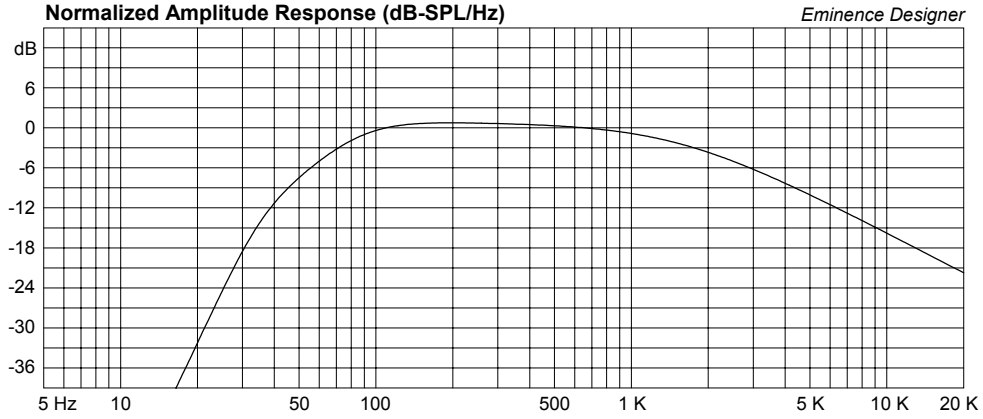
Box Properties

--Description--
Name:
Type: Vented Box
Shape: Prism, square (optimum)
--Box Parameters--
Vb = 4 cu.ft
V(total) = 4.586 cu.ft
Fb = 50 Hz
QL = 7
F3 = 71.23 Hz
Fill = minimal
--Vents--
No. of Vents = 4
Vent shape = round
Vent ends = one flush
Dv = 4 in
Lv = 8.433 in

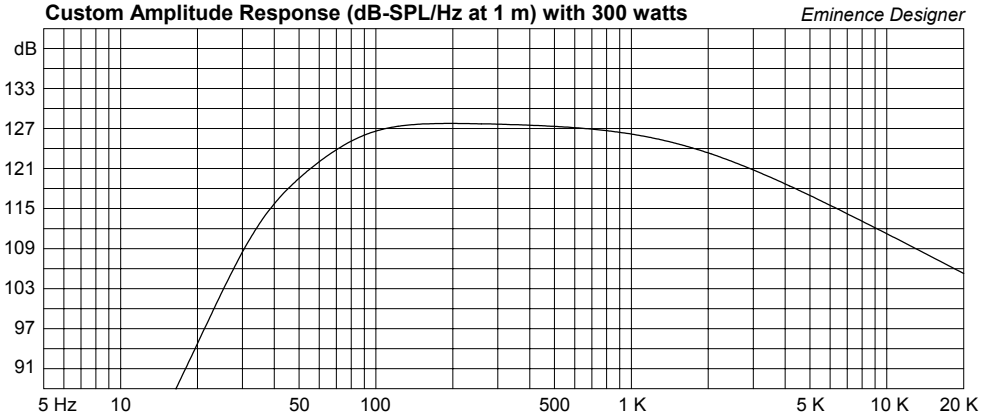
Driver Properties

--Description--
Name:
Type: Standard one-way driver
Comment: Rev NOV 2005
--Configuration--
No. of Drivers = 4
Mounting = Standard
Wiring = Series-Parallel
Drivers sum coherently = Yes
--Driver Parameters--
Fs = 57.85 Hz
Qms = 6.5
Vas = 43.17 liters [172.7]
Xmax = 3.49 mm
Sd = 344.9 sq.cm [1380]
Qes = 0.47
Re = 5.37 ohms [5.37]
Le = 0.52 mH [0.52]
Z = 8 ohms [8]
Pe = 150 watts [600]

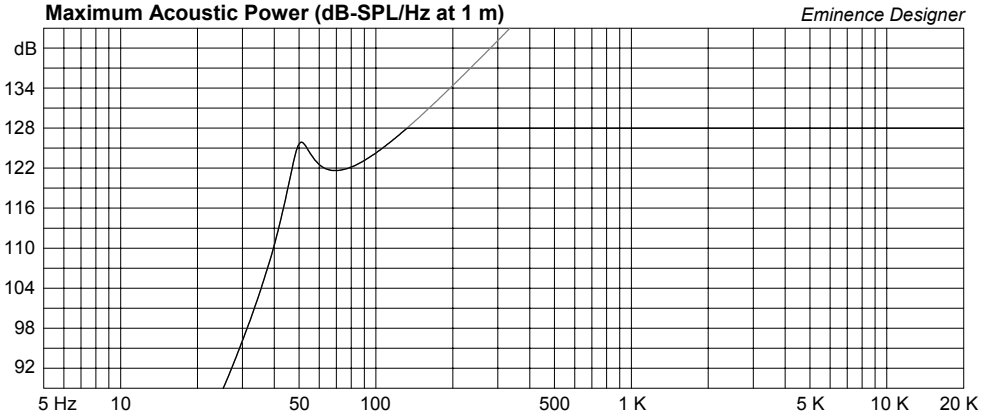
Normalized Amplitude Response (dB-SPL/Hz) *Eminence Designer*



Custom Amplitude Response (dB-SPL/Hz at 1 m) with 300 watts *Eminence Designer*

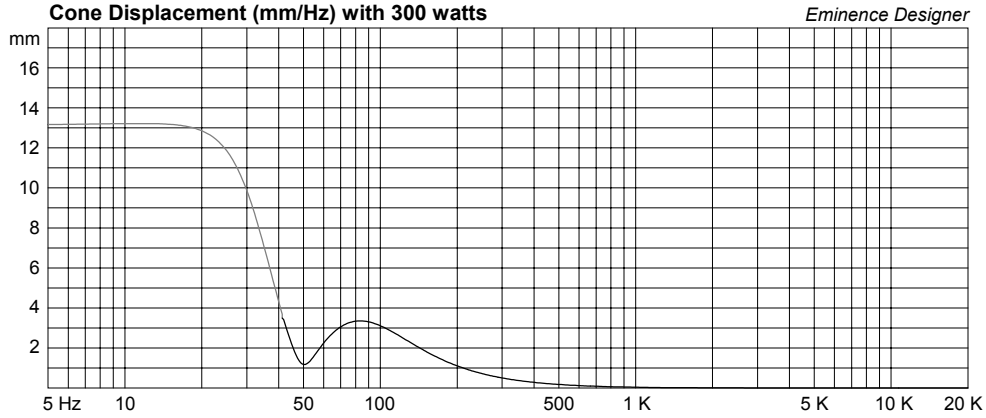


Maximum Acoustic Power (dB-SPL/Hz at 1 m) *Eminence Designer*



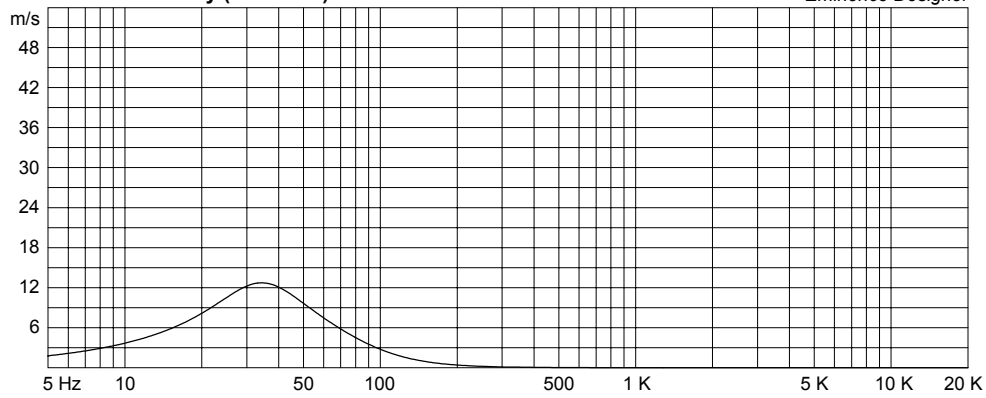
Cone Displacement (mm/Hz) with 300 watts

Eminence Designer



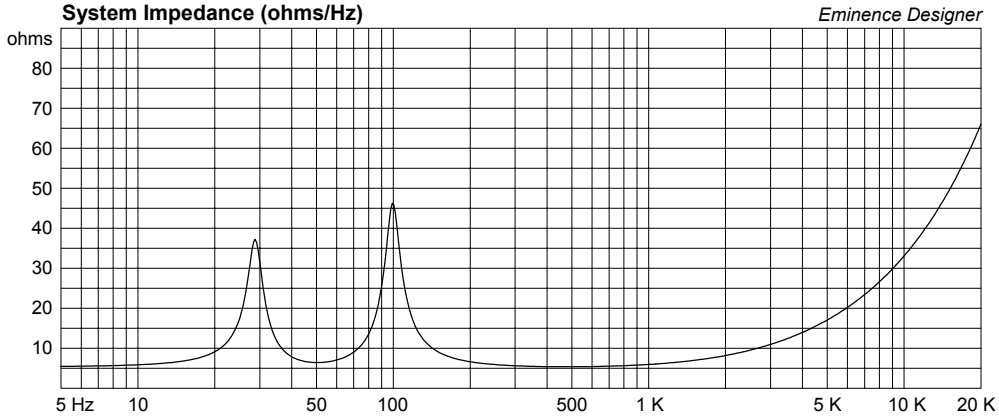
Vent Air Velocity (m/sec/Hz) with 300 watts

Eminence Designer



System Impedance (ohms/Hz)

Eminence Designer



BassLite CH2010 Small Vented Bass Guitar Cabinet

By Jerry McNutt, Eminence Speaker LLC
Thermally Limited to 150 Watts; F3 of 89 Hz. Use a High Pass filter set to 45 Hz or higher.

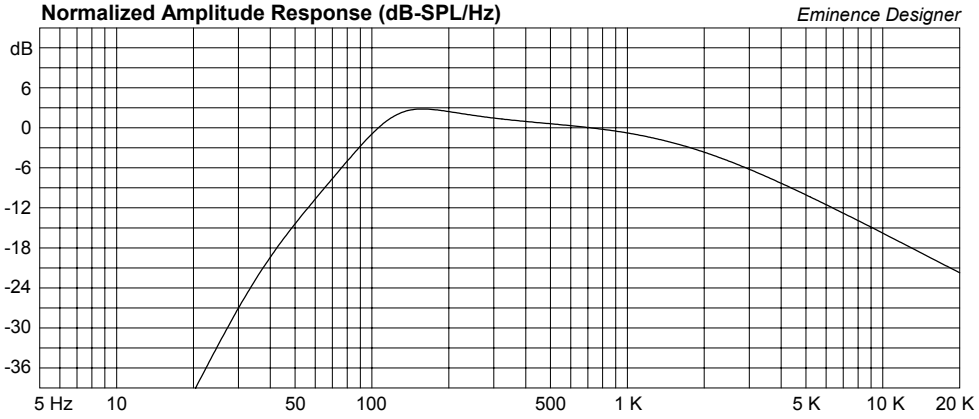
Box Properties

--Description--
Name:
Type: Vented Box
Shape: Prism, square
--Box Parameters--
Vb = 0.487 cu.ft
V(total) = 0.605 cu.ft
Fb = 75 Hz
QL = 7
F3 = 88.8 Hz
Fill = minimal
--Vents--
No. of Vents = 1
Vent shape = round
Vent ends = one flush
Dv = 3.5 in
Lv = 6.339 in

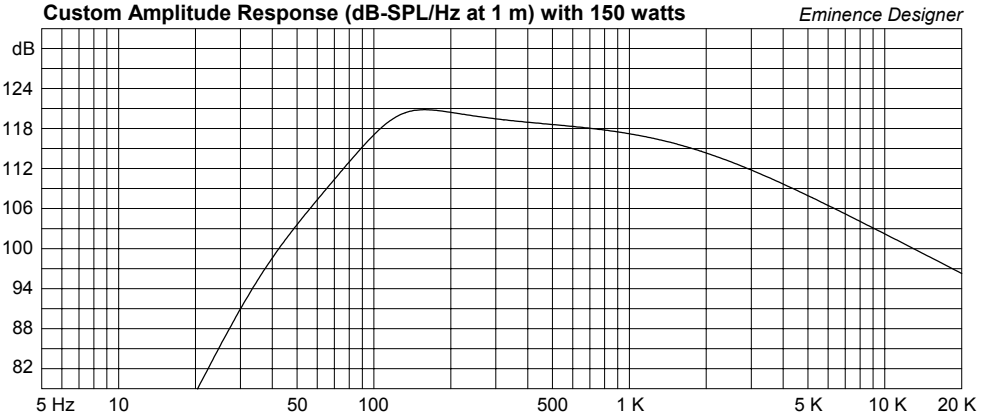
Driver Properties

--Description--
Name:
Type: Standard one-way driver
Comment: Rev NOV 2005
--Configuration--
No. of Drivers = 1
--Driver Parameters--
Fs = 57.85 Hz
Qms = 6.5
Vas = 43.17 liters
Xmax = 3.49 mm
Sd = 344.9 sq.cm
Qes = 0.47
Re = 5.37 ohms
Le = 0.52 mH
Z = 8 ohms
Pe = 150 watts

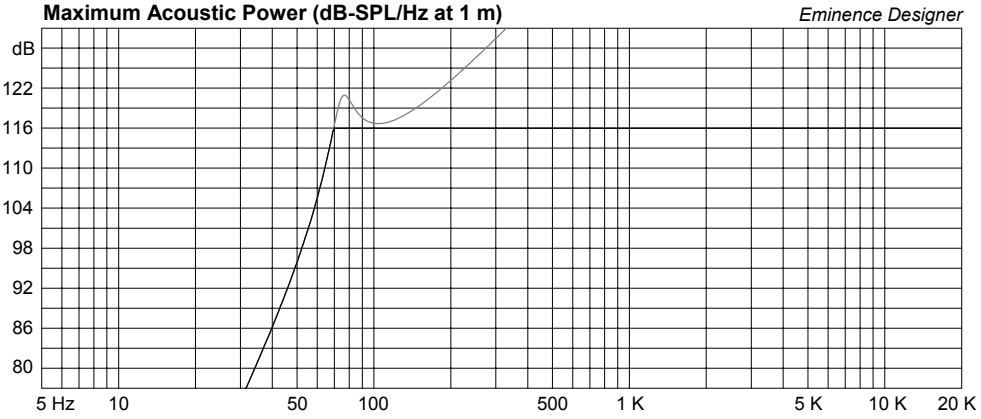
Normalized Amplitude Response (dB-SPL/Hz)



Custom Amplitude Response (dB-SPL/Hz at 1 m) with 150 watts

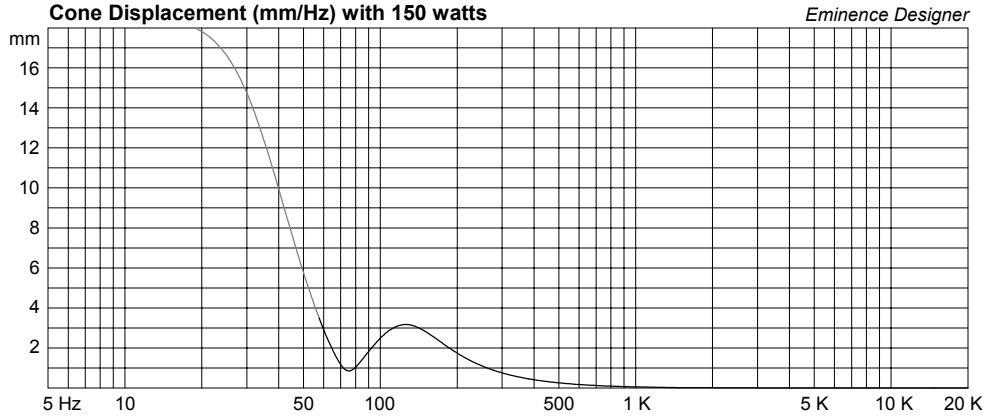


Maximum Acoustic Power (dB-SPL/Hz at 1 m)



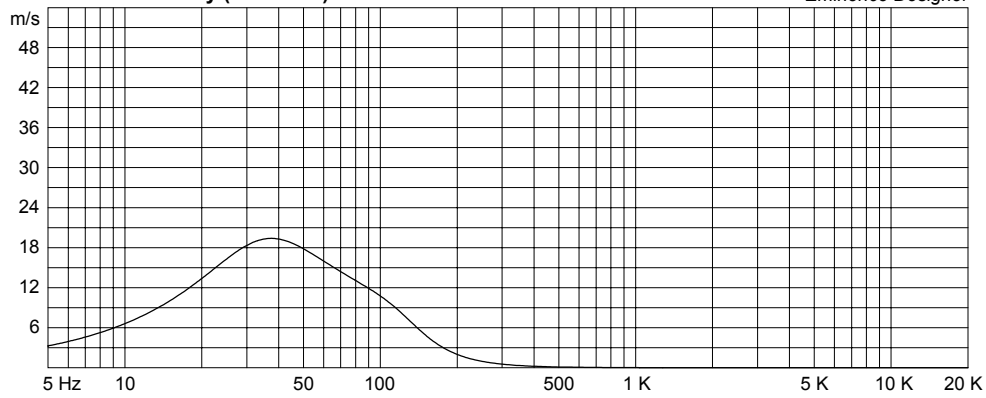
Cone Displacement (mm/Hz) with 150 watts

Eminence Designer



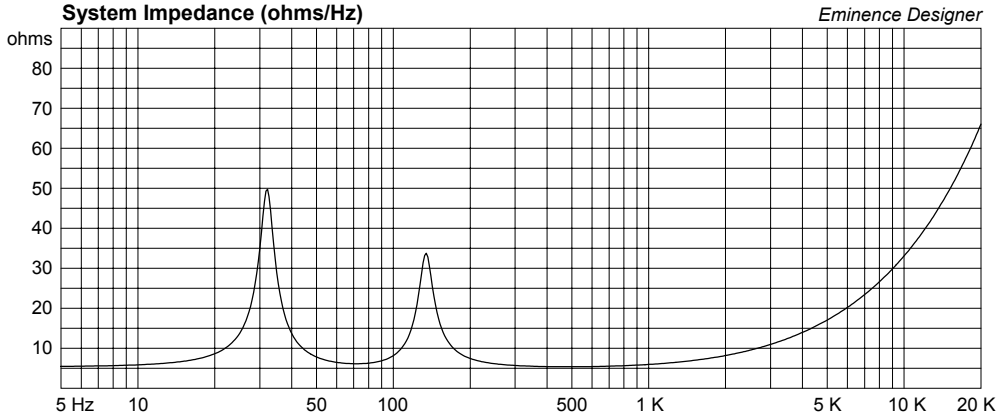
Vent Air Velocity (m/sec/Hz) with 150 watts

Eminence Designer



System Impedance (ohms/Hz)

Eminence Designer



BassLite CH2010 2x10 Vented Bass Cabinet

By Jerry McNutt, Eminence Speaker LLC
Displacement Limited to 150 Watts; F3 of 57 Hz. Use a High pass at 40 Hz.

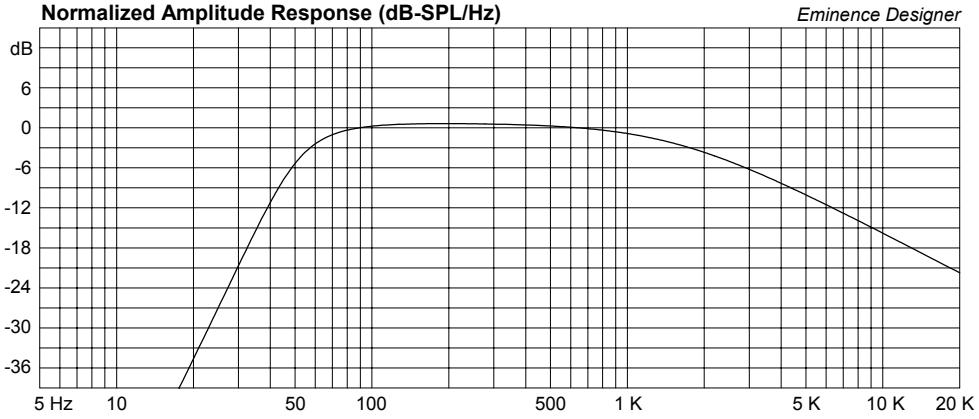
Box Properties

--Description--
Name:
Type: Vented Box
Shape: Prism, square (optimum)
--Box Parameters--
Vb = 2.85 cu.ft
V(total) = 3.061 cu.ft
Fb = 55 Hz
QL = 7
F3 = 57.18 Hz
Fill = minimal
--Vents--
No. of Vents = 2
Vent shape = round
Vent ends = one flush
Dv = 4 in
Lv = 3.415 in

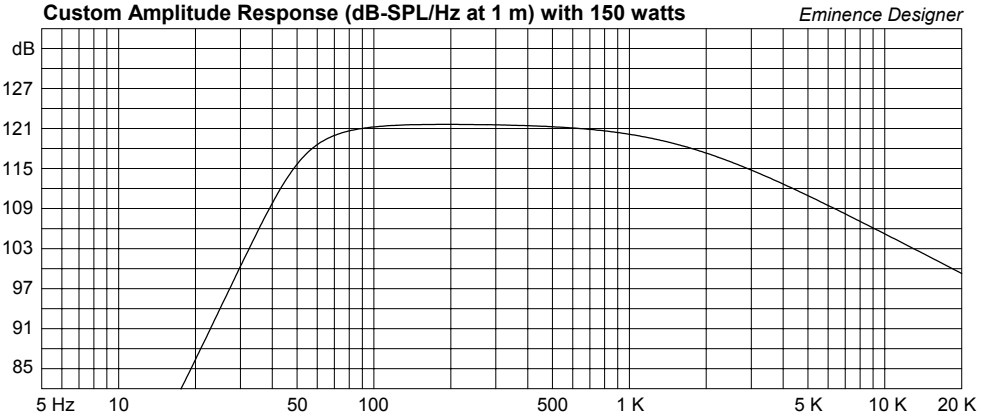
Driver Properties

--Description--
Name:
Type: Standard one-way driver
Comment: Rev NOV 2005
--Configuration--
No. of Drivers = 2
Mounting = Standard
Wiring = Parallel
Drivers sum coherently = Yes
--Driver Parameters--
Fs = 57.85 Hz
Qms = 6.5
Vas = 43.17 liters [86.34]
Xmax = 3.49 mm
Sd = 344.9 sq.cm [689.8]
Qes = 0.47
Re = 5.37 ohms [2.685]
Le = 0.52 mH [0.26]
Z = 8 ohms [4]
Pe = 150 watts [300]

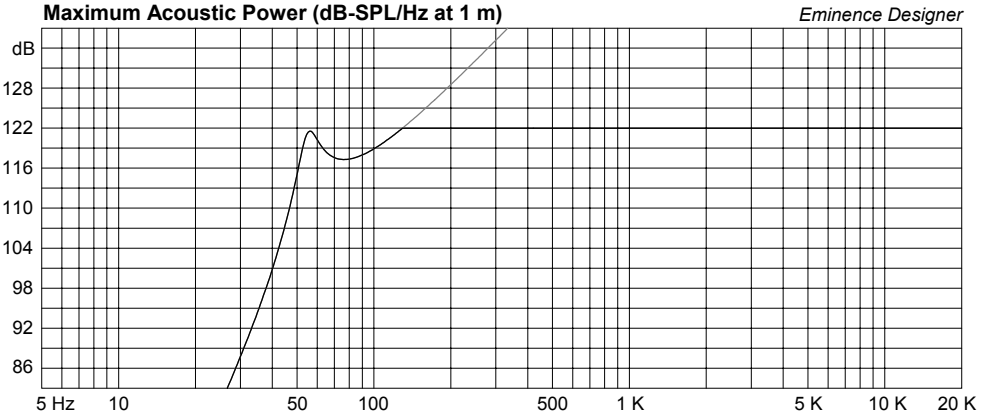
Normalized Amplitude Response (dB-SPL/Hz) *Eminence Designer*



Custom Amplitude Response (dB-SPL/Hz at 1 m) with 150 watts *Eminence Designer*

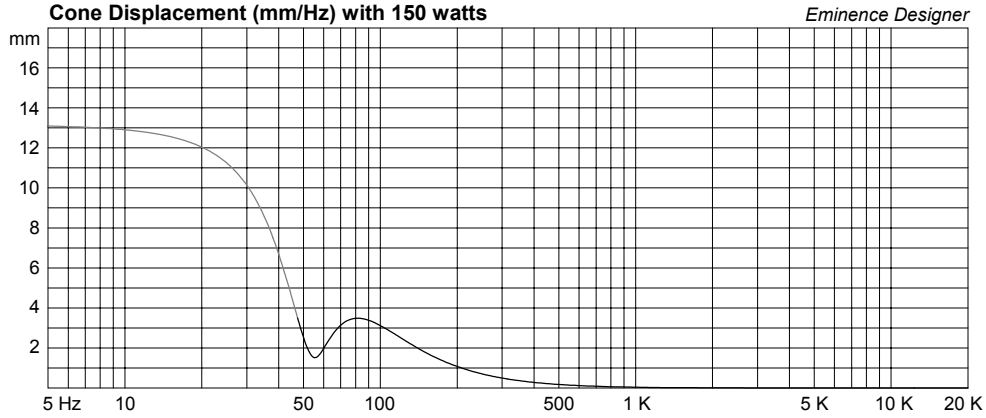


Maximum Acoustic Power (dB-SPL/Hz at 1 m) *Eminence Designer*



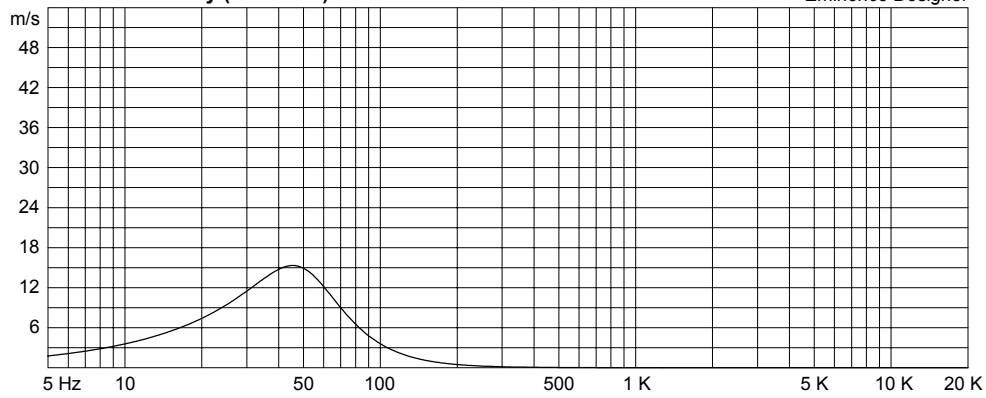
Cone Displacement (mm/Hz) with 150 watts

Eminence Designer



Vent Air Velocity (m/sec/Hz) with 150 watts

Eminence Designer



System Impedance (ohms/Hz)

Eminence Designer