

Specification

Nominal Basket Diameter	10", 254mm
Nominal Impedance*	8 ohms
Power Rating**	
Watts	150W
Music Program	300W
Resonance	46Hz
Usable Frequency Range***	54Hz-4kHz
Sensitivity	96.2
Magnet Weight	4 oz
Gap Height	0.28", 7.2mm
Voice Coil Diameter	2", 50.8mm

Thiele & Small Parameters

Resonant Frequency (fs)	46Hz
DC Resistance (Re)	5.02
Coil Inductance (Le)	0.47mH
Mechanical Q (Qms)	4.16
Electromagnetic Q (Qes)	0.34
Total Q (Qts)	0.31
Compliance Equivalent Volume (Vas)	63.4 ltr/2.2 cu. ft.
Peak Diaphragm Displacement Volume (Vd)	140cc
Mechanical Compliance of Suspension (Cms)	0.36mm/N
BL Product (BL)	11.9 T-M
Diaphragm Mass inc. Airload (Mms)	33 grams
Efficiency Bandwidth Product (EBP)	135
Maximum Linear Excursion (Xmax)	4.0mm
Surface Area of Cone (Sd)	350.1cm ²
Maximum Mechanical Limit (Xlim)	8.0mm

Mounting Information

Recommended Enclosure Volume	
Sealed	N/A
Vented	20-51 ltr/0.7-1.8 cu. ft.
Overall Diameter	10.08", 256mm
Baffle Hole Diameter	9.05", 229.9mm
Front Sealing Gasket	Fitted as Standard
Rear Sealing Gasket	
Mounting Holes Diameter	0.25", 6.4mm
Mounting Holes B.C.D.	9.66", 245.4mm
Depth	4.25", 108mm
Net Weight	3.5 lbs, 1.6 kg
Shipping Weight	4.6 lbs, 2.1 kg

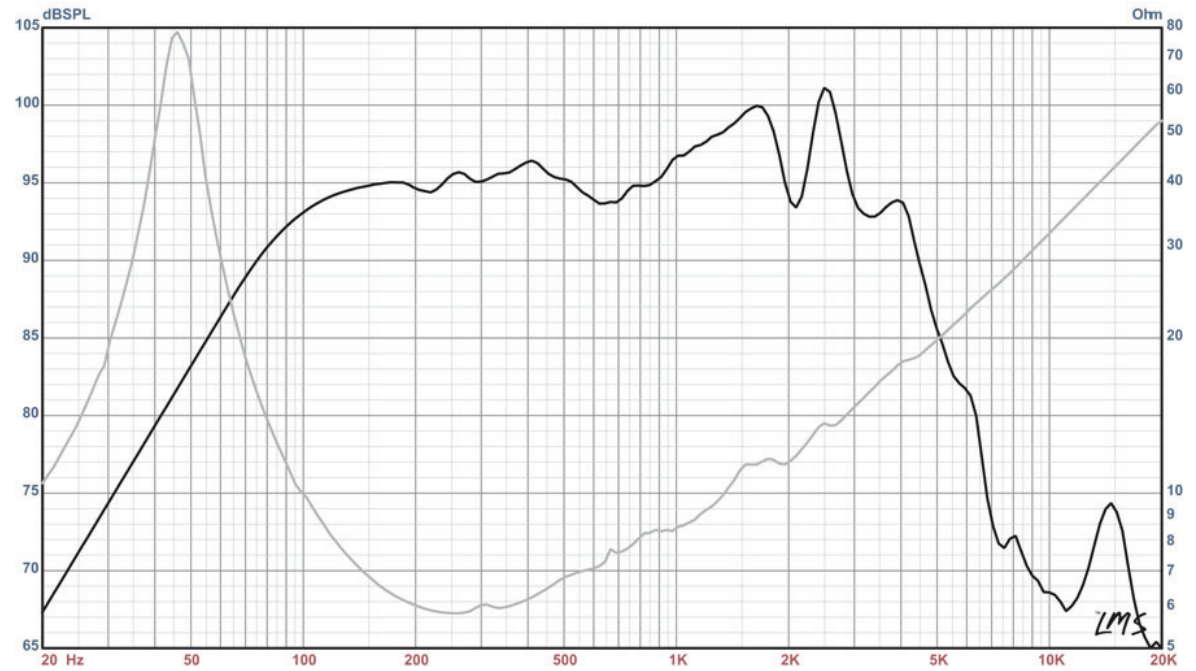
Materials of Construction

Coil Construction	Copper
Coil	Polymide
Magnet Composition	Neodymium
Core Details	Non-Vented
Basket Materials	Pressed Steel
Cone Composition	Paper
Cone Edge Composition	Cloth
Dust Cap Composition	Solid Composition Felt



BASSLITE® S2010

Recommended for bass guitar. Ideal in vented 1X, 2X, and 4 X10 enclosures.



* Please inquire about alternative impedances.

** Multiple units exceed published rating evaluated under EIA 426A noise source and test standard while in a free-air, nontemperature-controlled environment.

*** The average output across the usable frequency range when applying 1W/1m into the nominal impedance. I.e: 2.83 V/8 ohms, 4 V/16 ohms.

Eminence response curves are measured under the following conditions: All speakers are tested at 1W/1m using a variety of test set-ups for the appropriate impedance | LMS using 0.25" supplied microphone (software calibrated) mounted 1m from wall/baffle | 2 ft. X 2 ft. baffle is built into the wall with the speaker mounted flush against a steel ring for minimum diffraction | Hafler P1500 Trans-Nova amplifier | 2700 cu.ft. chamber with fiberglass on all six surfaces (three with custom-made wedges)

BassLite S2010 Small Vented, 1x10" Bass Guitar Cabinet

By Jerry McNutt, Eminence Speaker LLC
150 Watt Thermal Limit; F3 of 77 Hz.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 0.65 cu.ft

V(total) = 0.797 cu.ft

Fb = 67 Hz

QL = 7

F3 = 77.26 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 2.75 in

Lv = 8.141 in

Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 46.15 Hz

Qms = 4.16

Vas = 63.42 liters

Xmax = 4 mm

Sd = 350.1 sq.cm

Qes = 0.34

Re = 5.02 ohms

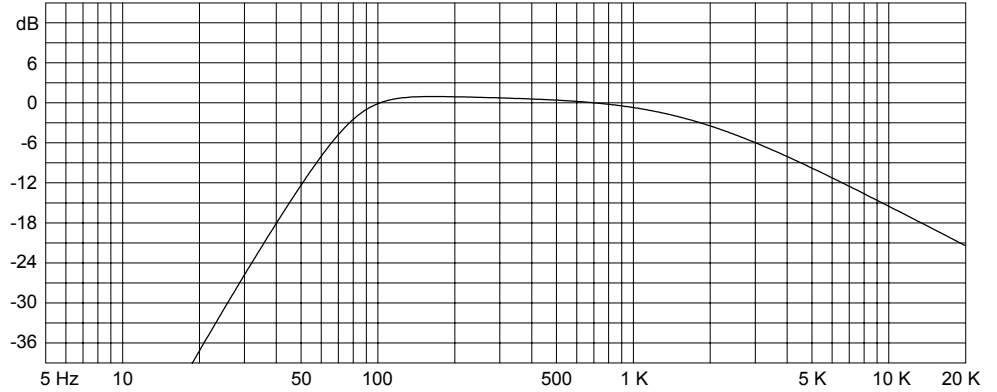
Le = 0.47 mH

Z = 8 ohms

Pe = 150 watts

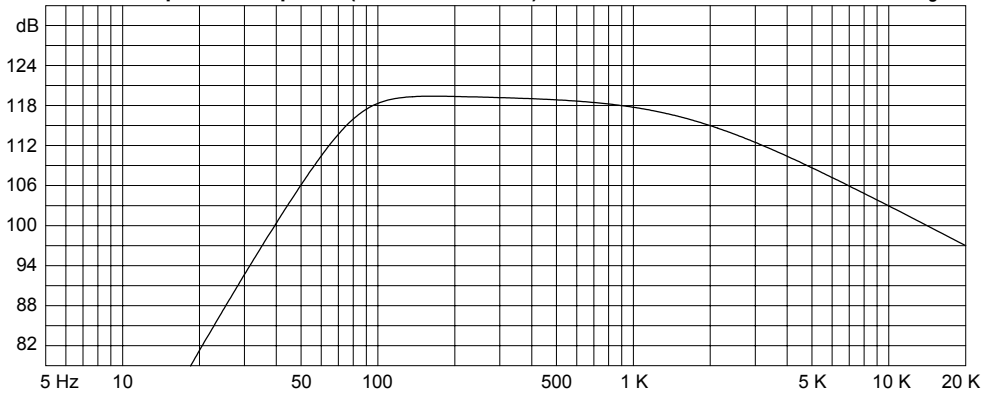
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



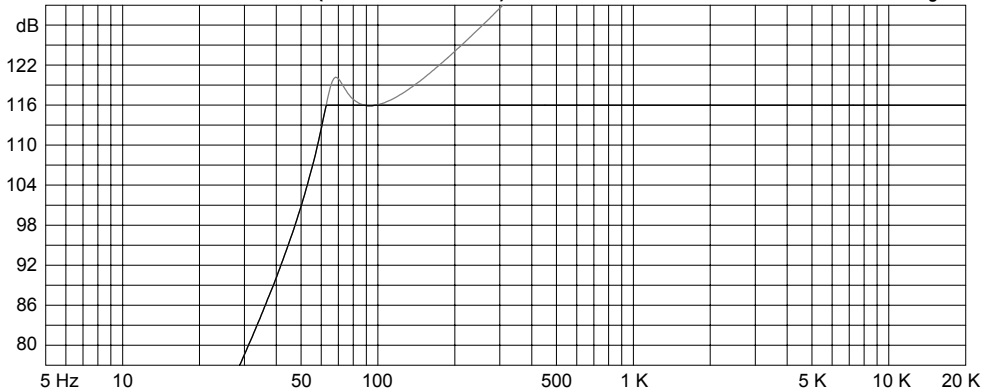
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 150 watts

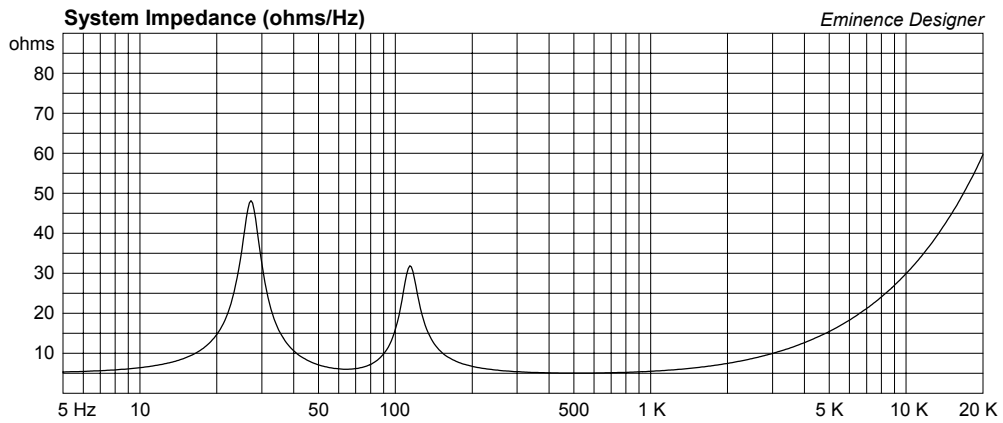
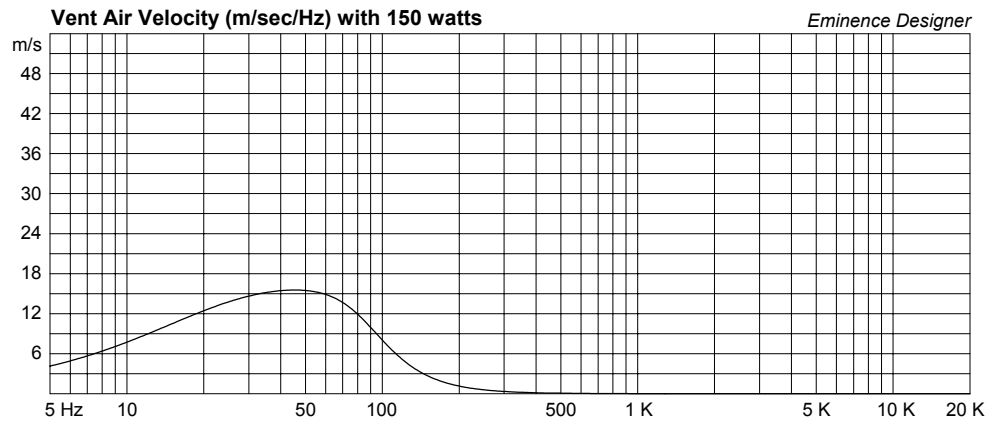
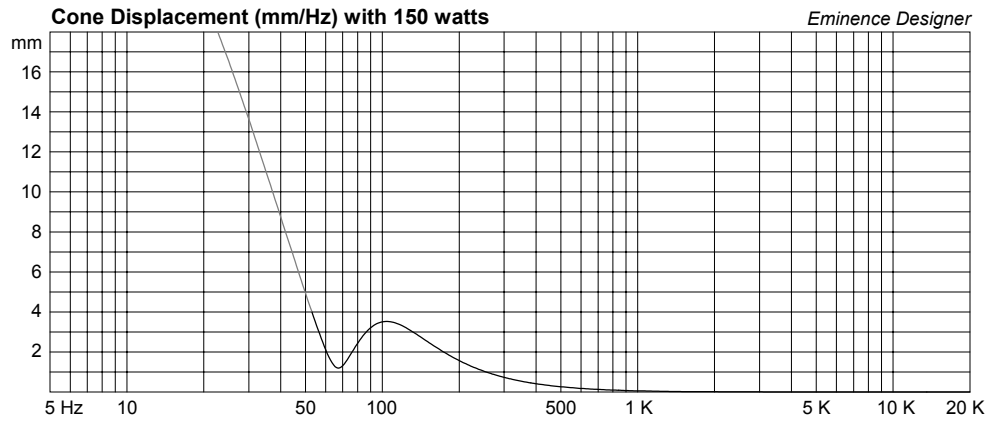
Eminence Designer



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

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BassLite S2010 Med Vented. 1x10" Bass Guitar Cab

By Jerry McNutt, Eminence Speaker LLC
Displacement Limited to 140 Watts; F3 of 68 Hz.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 0.9 cu.ft

V(total) = 1.063 cu.ft

Fb = 60 Hz

QL = 7

F3 = 67.93 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 3 in

Lv = 8.663 in

Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 46.15 Hz

Qms = 4.16

Vas = 63.42 liters

Xmax = 4 mm

Sd = 350.1 sq.cm

Qes = 0.34

Re = 5.02 ohms

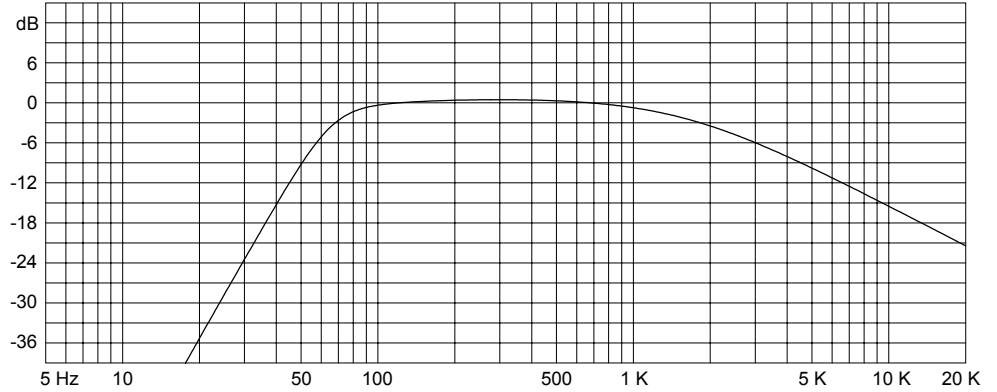
Le = 0.47 mH

Z = 8 ohms

Pe = 150 watts

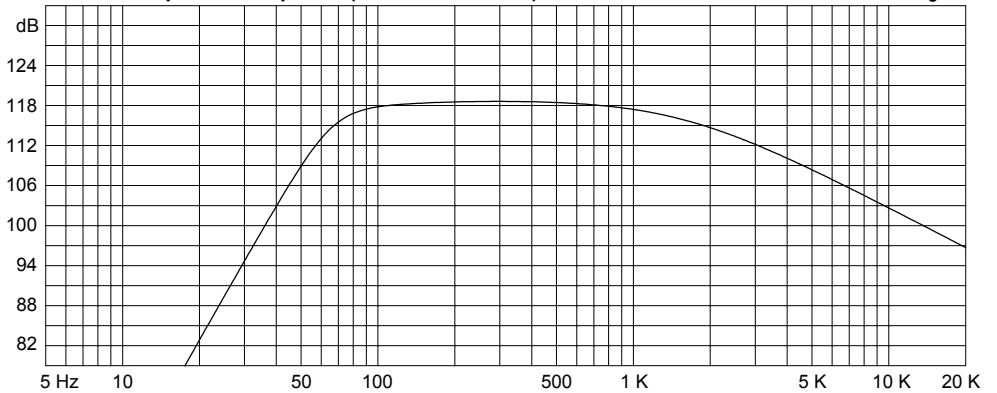
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



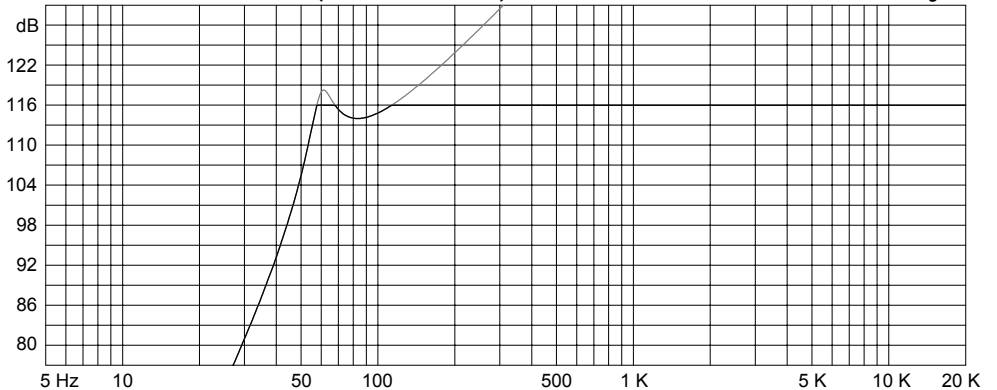
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 140 watts

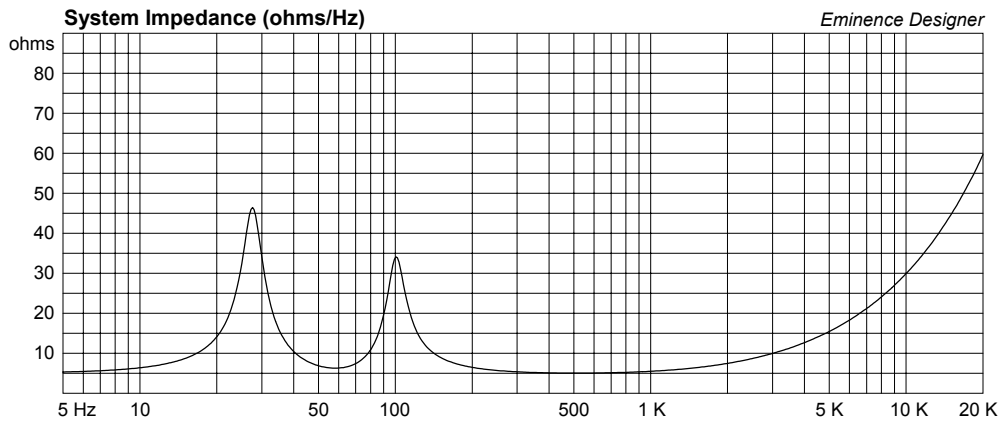
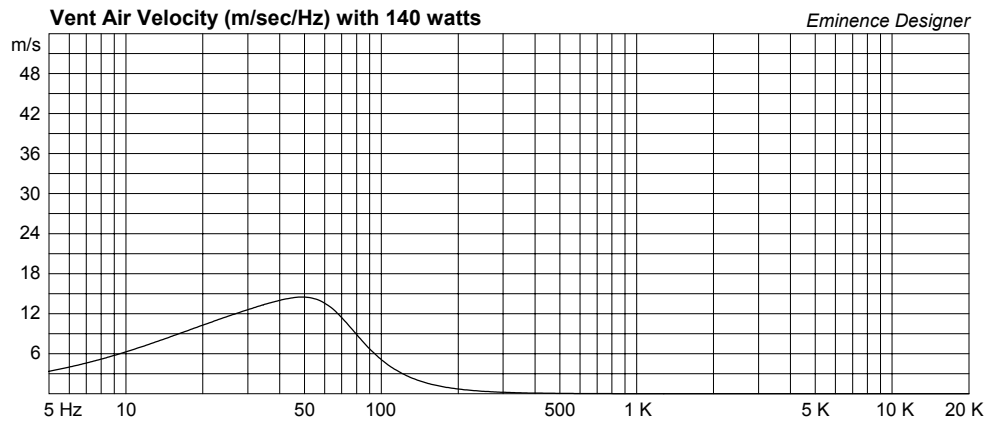
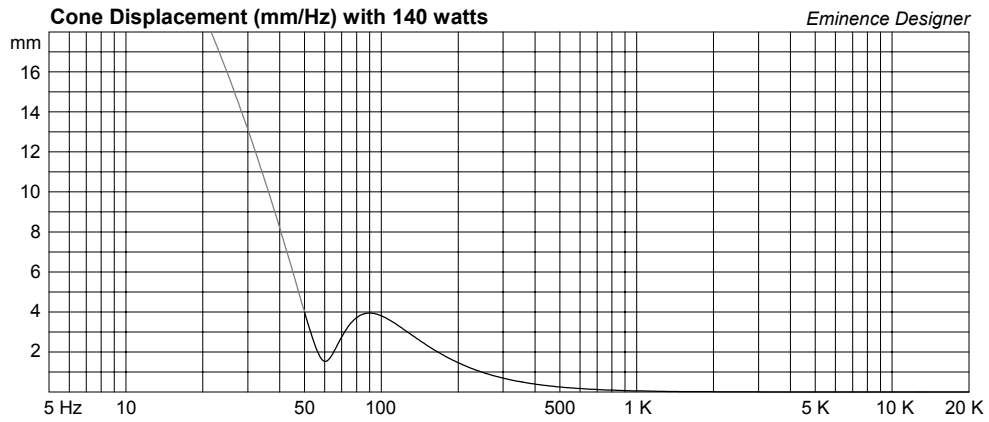
Eminence Designer



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

Eminence Designer





BassLite S2010, Larger Vented 1x10" Bass Guitar Cab

By Jerry McNutt, Eminence Speaker LLC
Displacement Limited to 100 Watts; F3 of 54 Hz.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 1.593 cu.ft

V(total) = 1.701 cu.ft

Fb = 55 Hz

QL = 7

F3 = 54.32 Hz

Fill = minimal

--Vents--

No. of Vents = 1

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 3.308 in

Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 46.15 Hz

Qms = 4.16

Vas = 63.42 liters

Xmax = 4 mm

Sd = 350.1 sq.cm

Qes = 0.34

Re = 5.02 ohms

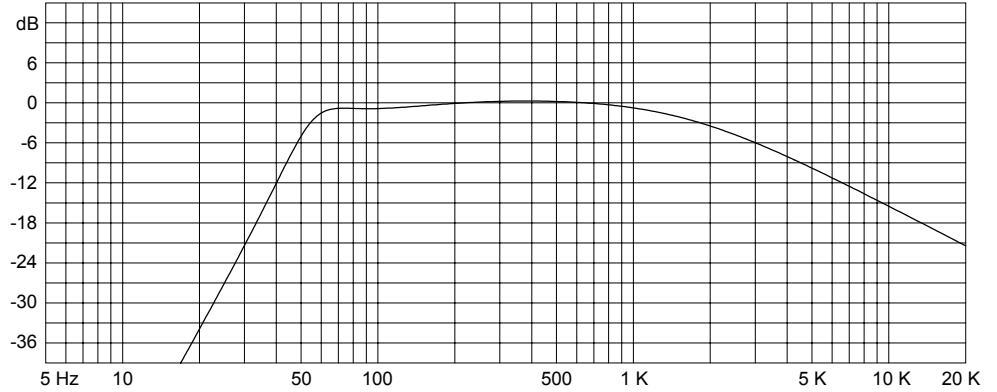
Le = 0.47 mH

Z = 8 ohms

Pe = 150 watts

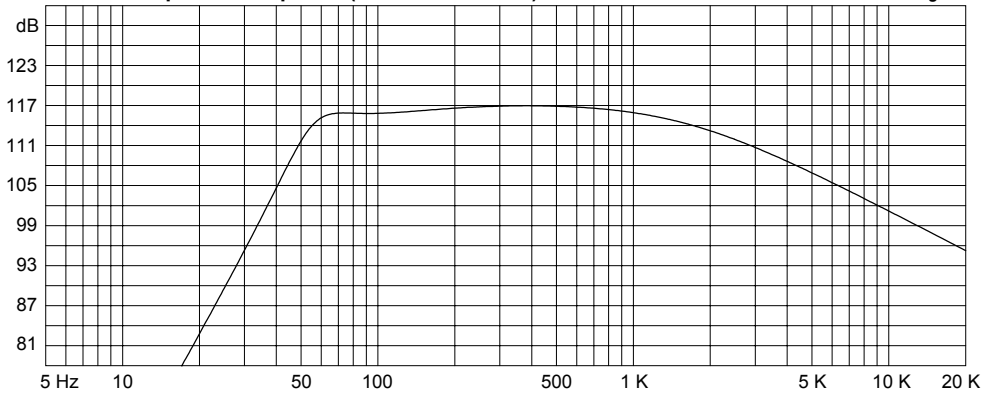
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



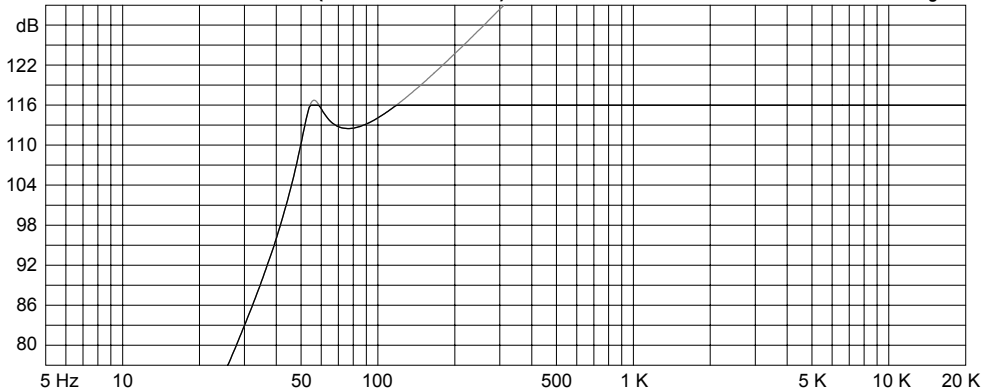
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 100 watts

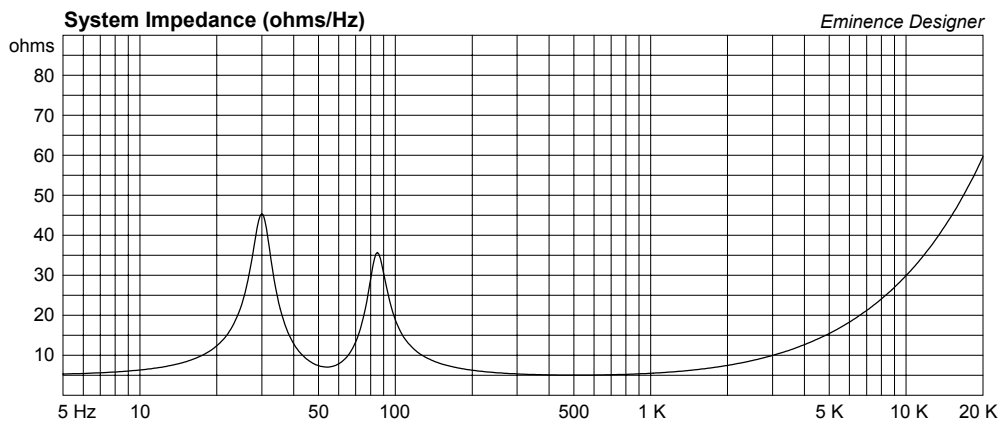
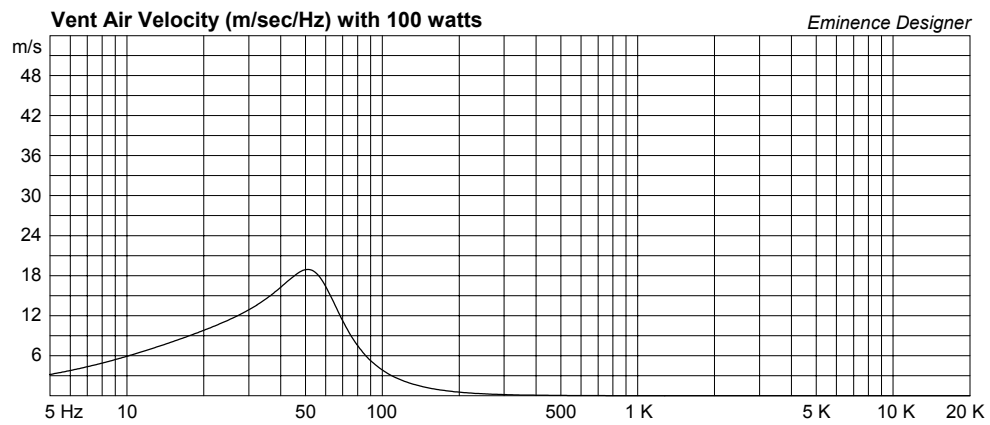
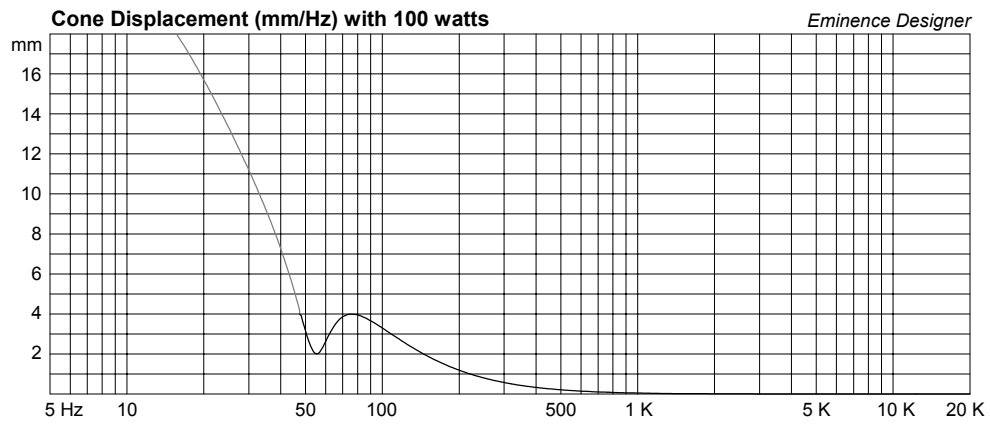
Eminence Designer



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

Eminence Designer





BassLite S2010, Larger 4x10 Bass Guitar Cabinet

By Jerry McNutt, Eminence Speaker LLC

Displacement Limited to 400 Watts; F3 58 Hz. Slot Port.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 5.4 cu.ft

V(total) = 6.279 cu.ft

Fb = 57 Hz

QL = 7

F3 = 57.61 Hz

Fill = minimal

--Vents--

No. of Vents = 1

Vent shape = rectangle

Vent ends = one flush

Hv = 5 in

Wv = 22.5 in

Lv = 9.745 in

Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 4

Mounting = Standard

Wiring = Series-Parallel

Drivers sum coherently = Yes

--Driver Parameters--

Fs = 46.15 Hz

Qms = 4.16

Vas = 63.42 liters [253.7]

Xmax = 4 mm

Sd = 350.1 sq.cm [1400]

Qes = 0.34

Re = 5.02 ohms [5.02]

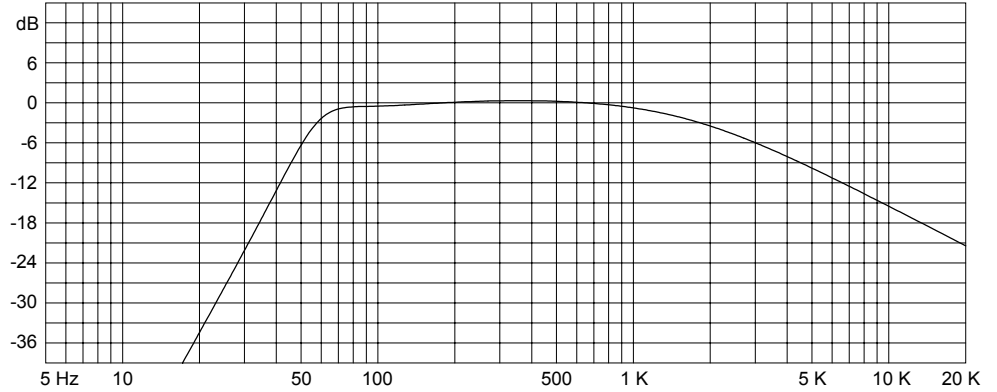
Le = 0.47 mH [0.47]

Z = 8 ohms [8]

Pe = 150 watts [600]

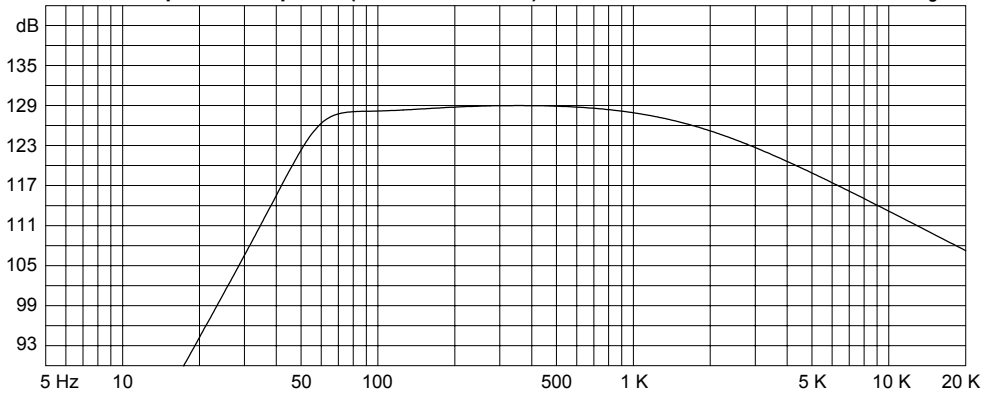
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



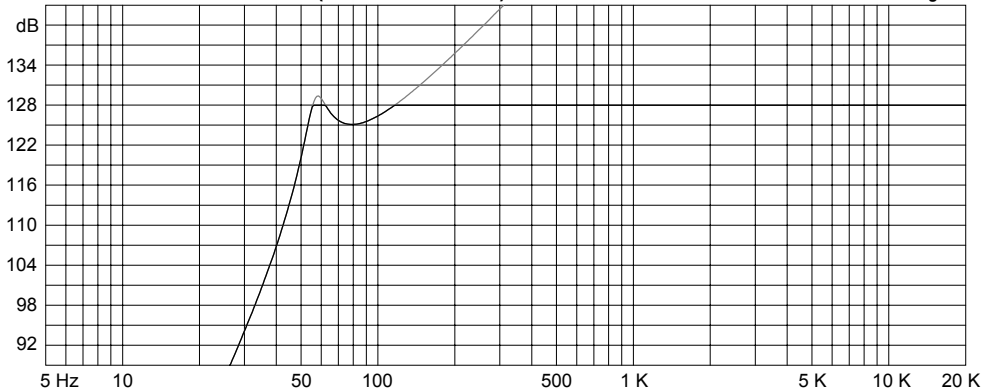
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 400 watts

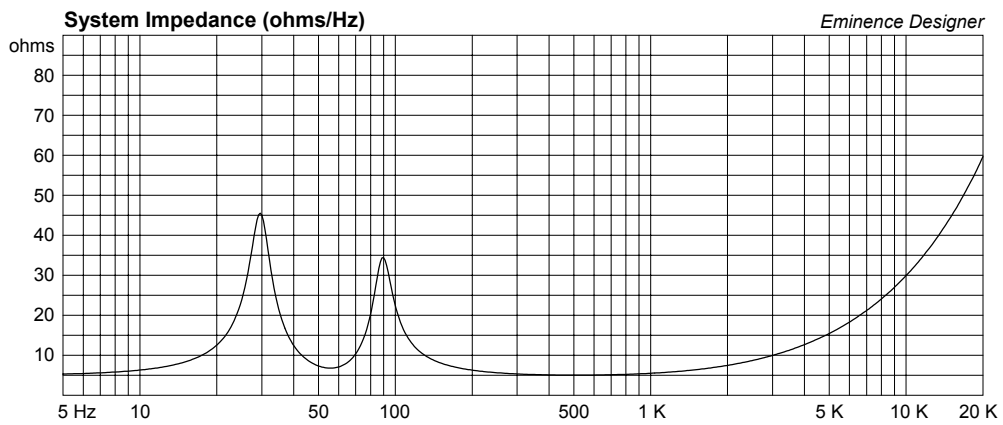
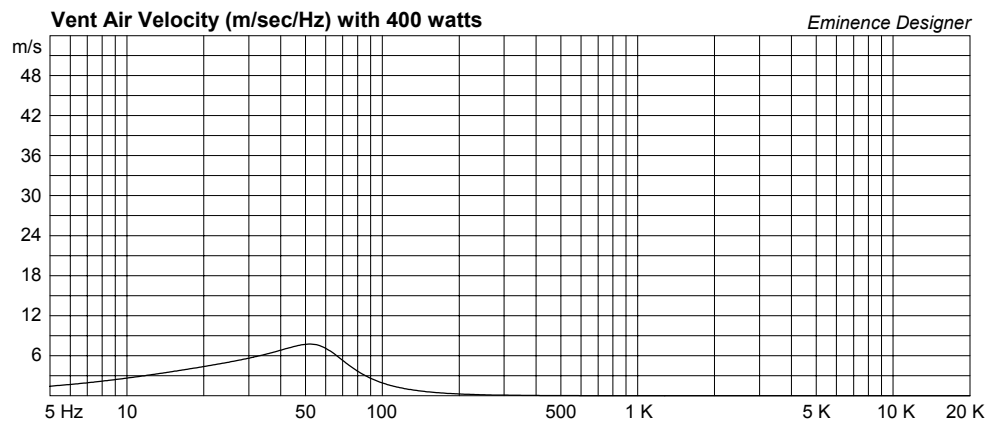
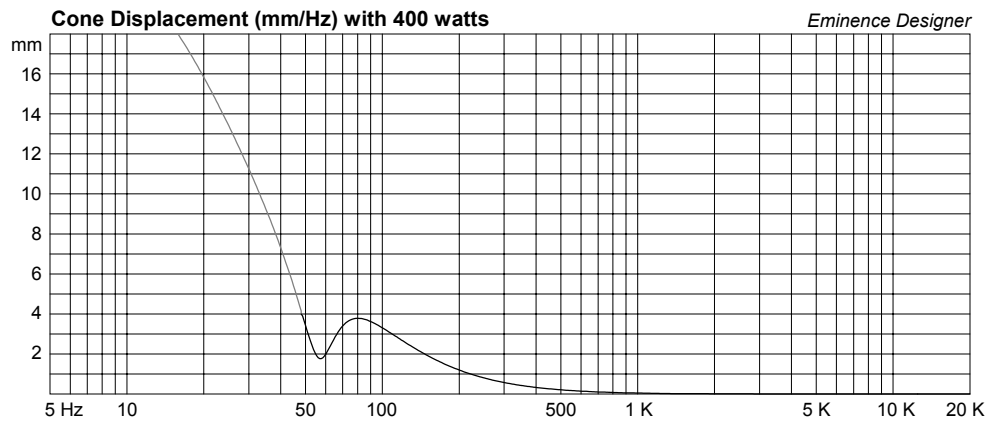
Eminence Designer



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

Eminence Designer





BassLite S2010 Hi Pwr 4 X 10 Bass Guitar Cabinet

By Jerry McNutt, Eminence Speaker LLC
Thermal Limit of 600 Watts; F3 of 72 Hz Slot Port

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 3.043 cu.ft

V(total) = 3.446 cu.ft

Fb = 65 Hz

QL = 7

F3 = 72.35 Hz

Fill = minimal

--Vents--

No. of Vents = 1

Vent shape = rectangle

Vent ends = one flush

Hv = 2 in

Wv = 22.5 in

Lv = 5.673 in

Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 4

Mounting = Standard

Wiring = Series-Parallel

Drivers sum coherently = Yes

--Driver Parameters--

Fs = 46.15 Hz

Qms = 4.16

Vas = 63.42 liters [253.7]

Xmax = 4 mm

Sd = 350.1 sq.cm [1400]

Qes = 0.34

Re = 5.02 ohms [5.02]

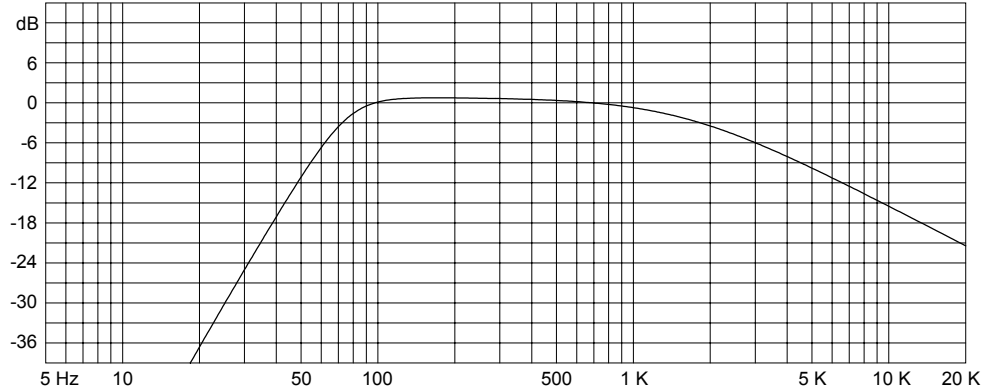
Le = 0.47 mH [0.47]

Z = 8 ohms [8]

Pe = 150 watts [600]

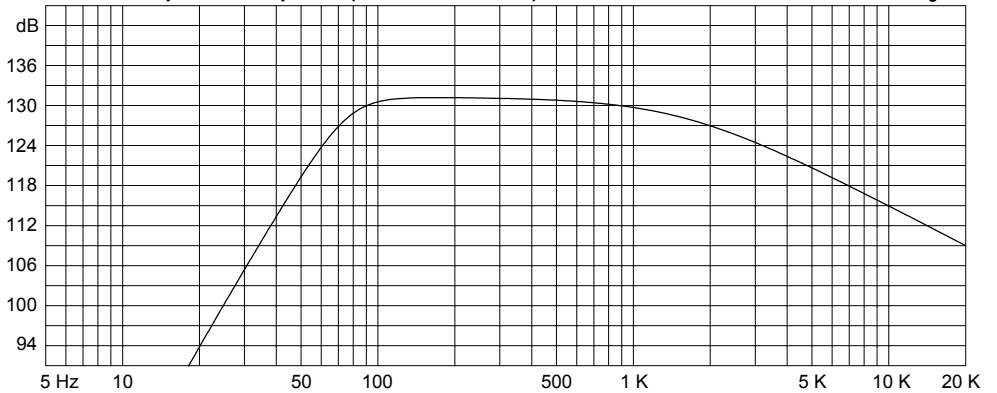
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



Custom Amplitude Response (dB-SPL/Hz at 1 m) with 600 watts

Eminence Designer



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

Eminence Designer

