

## Specification

Nominal Basket Diameter	12", 304.8mm
Nominal Impedance*	8 ohms
Power Rating**	
Watts	150W
Music Program	300W
Resonance	48Hz
Usable Frequency Range***	49Hz-4.5kHz
Sensitivity	97
Magnet Weight	4 oz
Gap Height	0.28", 7.2mm
Voice Coil Diameter	2", 50.8mm

## Thiele & Small Parameters

Resonant Frequency (fs)	48Hz
DC Resistance (Re)	5.1
Coil Inductance (Le)	0.43mH
Mechanical Q (Qms)	5.5
Electromagnetic Q (Qes)	0.53
Total Q (Qts)	0.48
Compliance Equivalent Volume (Vas)	91 ltr/3.2 cu. ft.
Peak Diaphragm Displacement Volume (Vd)	270cc
Mechanical Compliance of Suspension (Cms)	0.24mm/N
BL Product (BL)	11.7 T-M
Diaphragm Mass inc. Airlod (Mms)	46 grams
Efficiency Bandwidth Product (EBP)	91
Maximum Linear Excursion (Xmax)	5.2mm
Surface Area of Cone (Sd)	519.5cm <sup>2</sup>
Maximum Mechanical Limit (Xlim)	9.8mm

## Mounting Information

Recommended Enclosure Volume	
Sealed	31-35 ltr/1.1-1.3 cu. ft.
Vented	42.5-85 ltr/1.5-3 cu. ft.
Overall Diameter	12.03", 305.5mm
Baffle Hole Diameter	10.95", 278.1mm
Front Sealing Gasket	Fitted as Standard
Rear Sealing Gasket	Fitted as Standard
Mounting Holes Diameter	0.25", 6.4mm
Mounting Holes B.C.D.	11.59", 294.3mm
Depth	5.1", 130mm
Net Weight	4.1 lbs, 1.9 kg
Shipping Weight	5.8 lbs, 2.6 kg

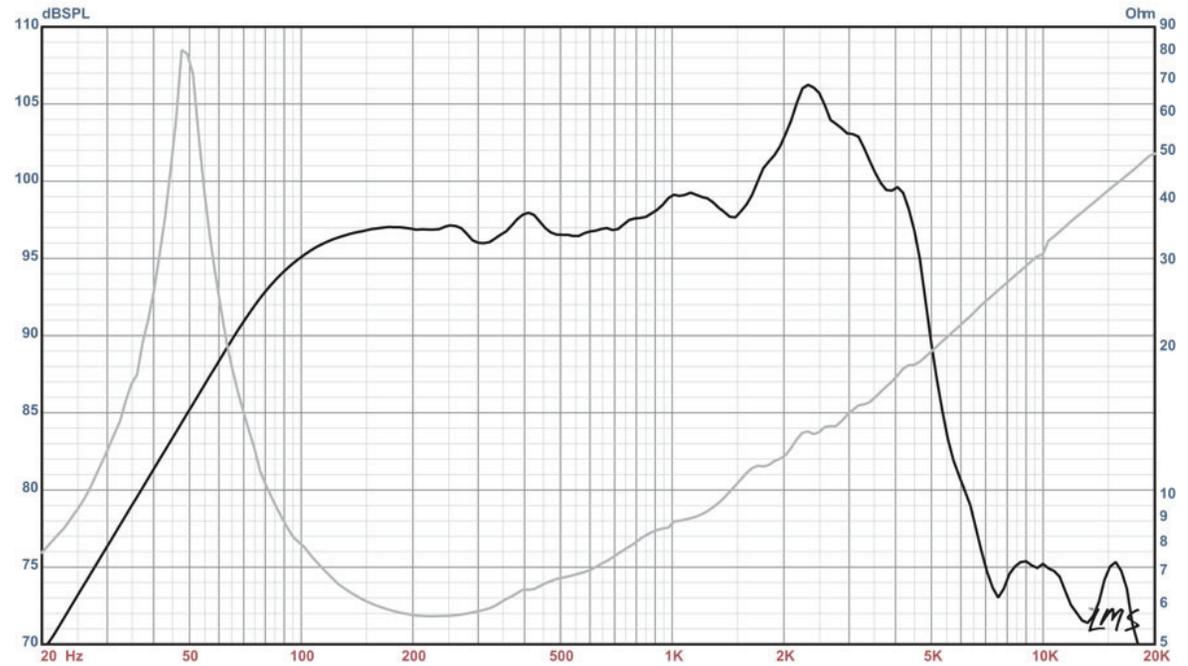
## Materials of Construction

Coil Construction	Copper
Coil	Polyimide
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® S2012

Recommended for bass guitar. Ideal in vented 1X, 2X, and 4 X12 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 S2012 Med Vented Bass Guitar Cabinet

By Jerry McNutt, Eminence Speaker LLC  
Displacement Limited to 125 Watts.  
Smooth, Low Bass.

## Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 2.7 cu.ft

V(total) = 2.857 cu.ft

Fb = 47 Hz

QL = 7

F3 = 48.91 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 3 in

Lv = 3.076 in

## Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 48.2 Hz

Qms = 5.5

Vas = 90.6 liters

Xmax = 5.2 mm

Sd = 519.5 sq.cm

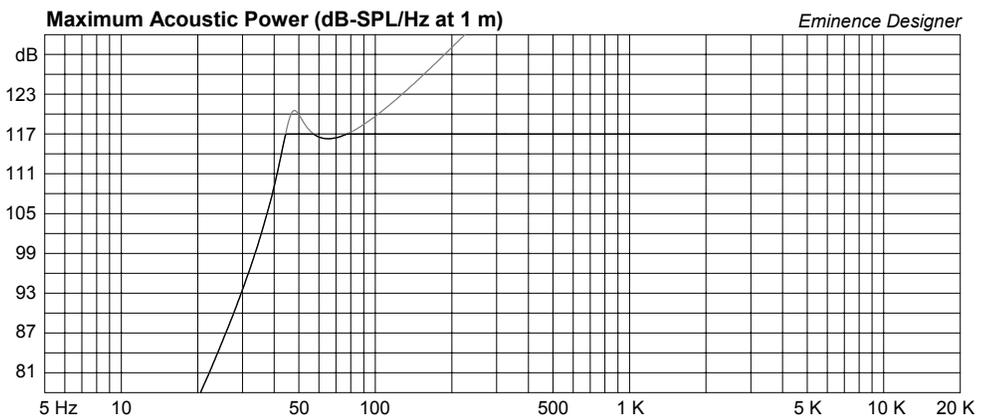
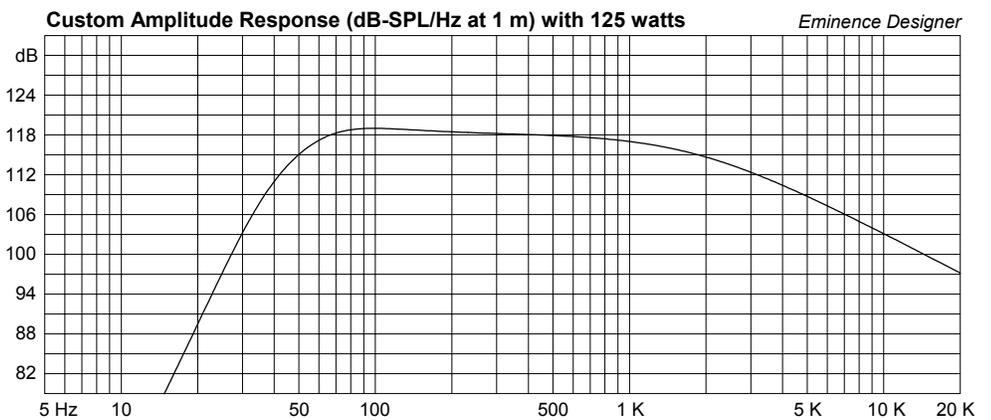
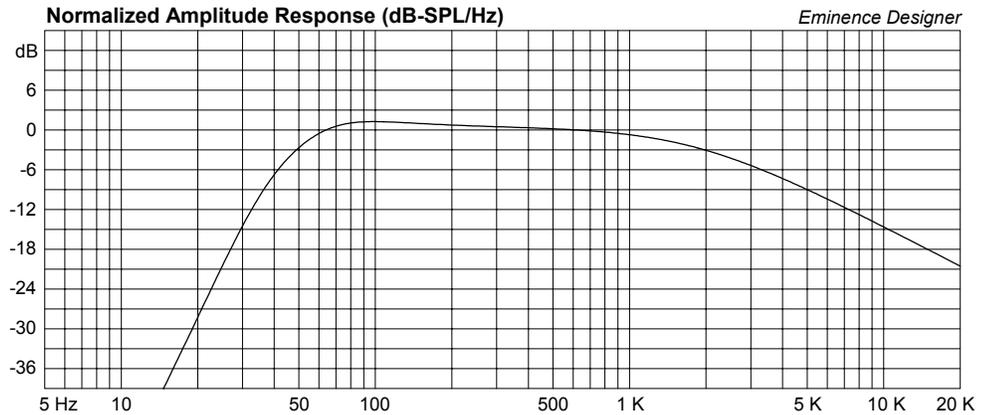
Qes = 0.53

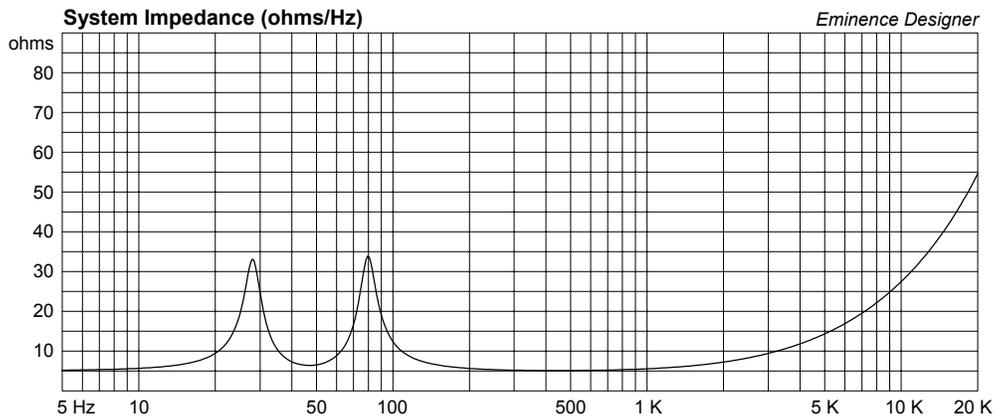
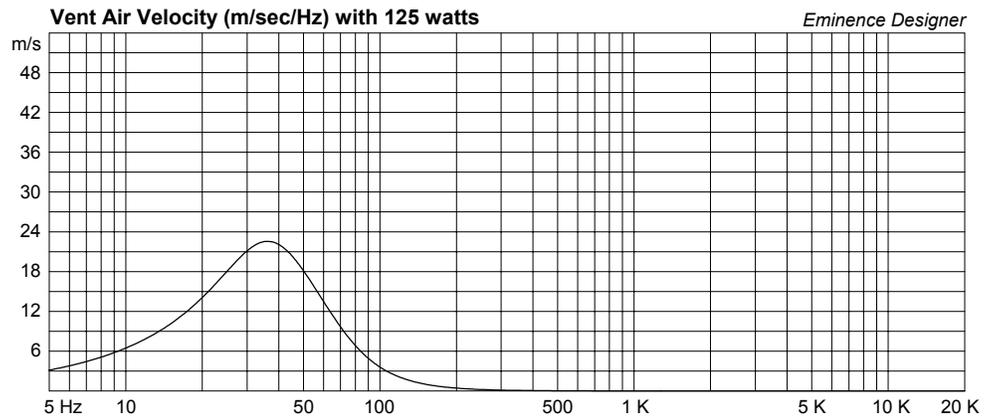
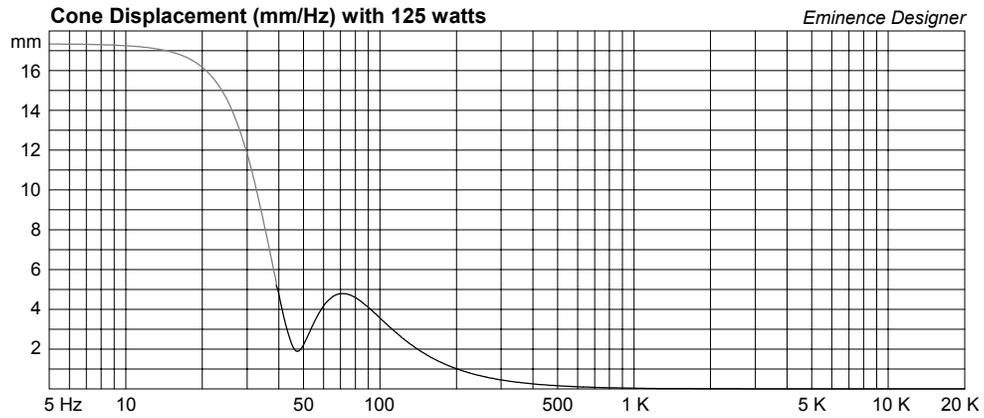
Re = 5.1 ohms

Le = 0.43 mH

Z = 8 ohms

Pe = 150 watts





# BassLite S2012, Small Sealed Bass Guitar Cabinet

By Jerry McNutt, Eminence Speaker LLC

Displacement Limited to 125 Watts. Slow Roll-off.

Great for Ultra Clean Bass. Can be made Ultra Light.

## Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 1.15 cu.ft

V(total) = 1.15 cu.ft

Qtc = 0.718

QL = 20

F3 = 86.64 Hz

Fill = heavy

## Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 48.2 Hz

Qms = 5.5

Vas = 90.6 liters

Xmax = 5.2 mm

Sd = 519.5 sq.cm

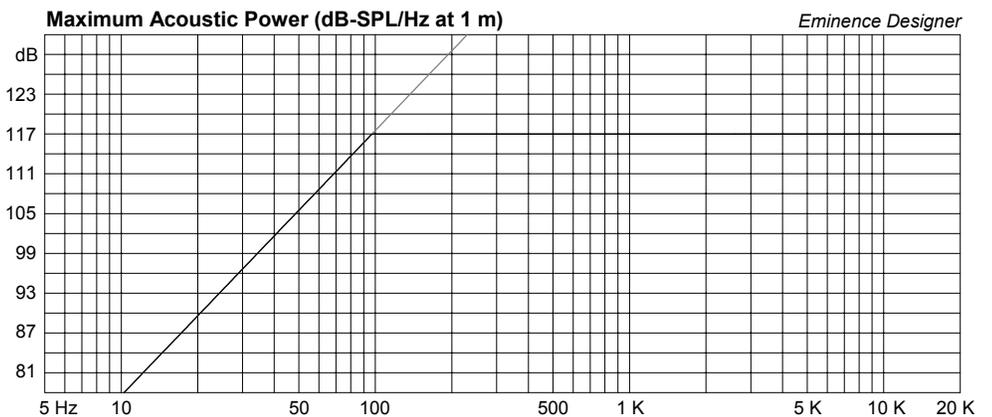
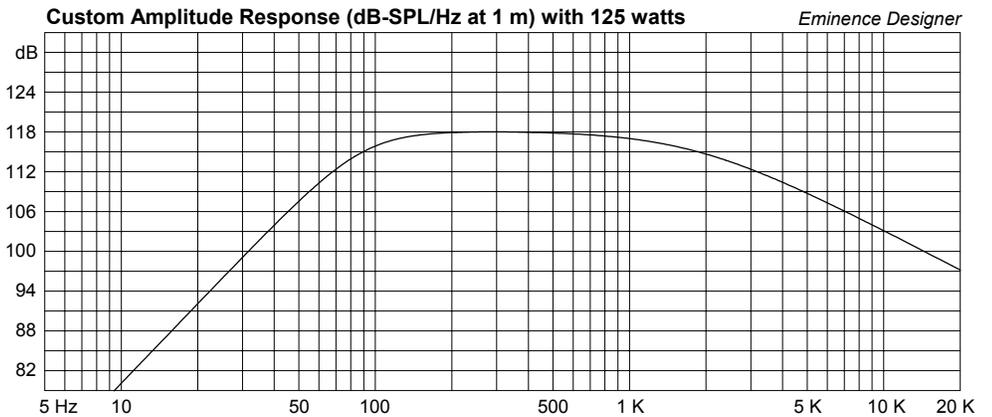
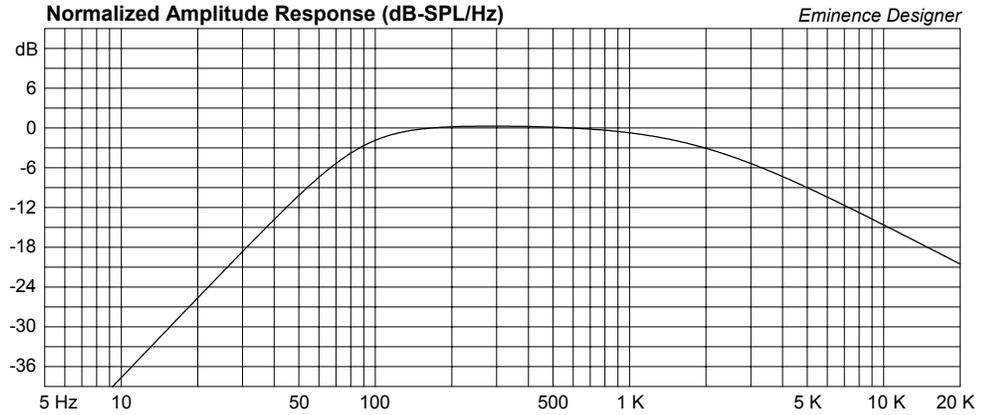
Qes = 0.53

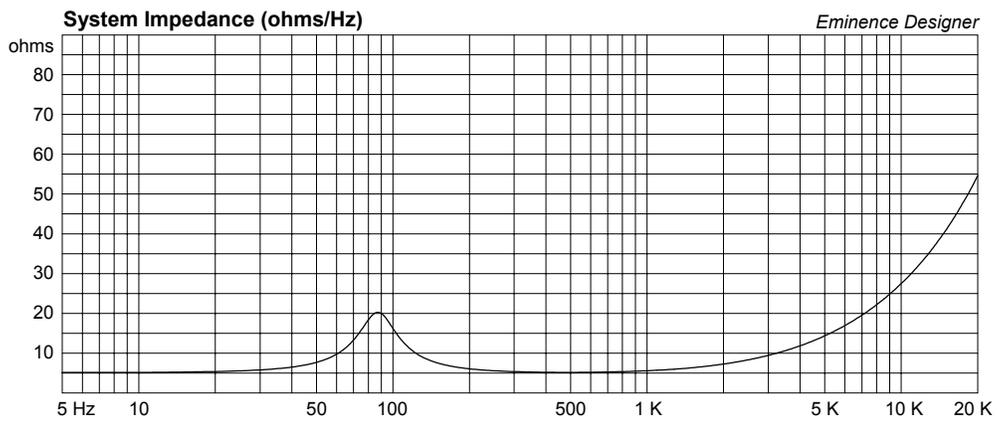
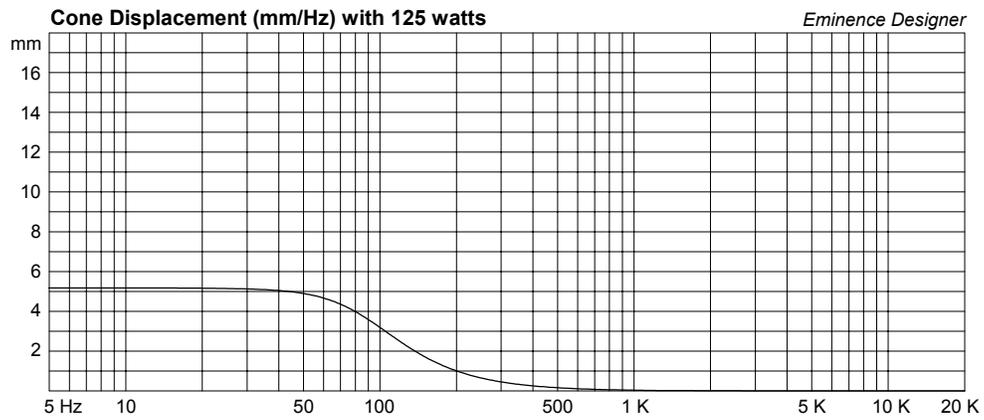
Re = 5.1 ohms

Le = 0.43 mH

Z = 8 ohms

Pe = 150 watts





# BassLite S2012 Small Vented Bass Guitar Cabinet

By Jerry McNutt, Eminence Speaker LLC

Displacement Limited to 125 Watts.

Can be made Ultra light for extreme ease of transport.

## Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 1.4 cu.ft

V(total) = 1.584 cu.ft

Fb = 54.84 Hz

QL = 7

F3 = 64.14 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 3 in

Lv = 5.843 in

## Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 48.2 Hz

Qms = 5.5

Vas = 90.6 liters

Xmax = 5.2 mm

Sd = 519.5 sq.cm

Qes = 0.53

Re = 5.1 ohms

Le = 0.43 mH

Z = 8 ohms

Pe = 150 watts

