

Specification

Nominal Basket Diameter	10", 254mm
Nominal Impedance*	8 ohms
Power Rating**	150W
Resonance	51Hz
Usable Frequency Range	48Hz-7kHz
Sensitivity***	93.5
Magnet Weight	4 oz.
Gap Height	0.28", 7.2mm
Voice Coil Diameter	2", 50.8mm

Thiele & Small Parameters

Resonant Frequency (fs)	51Hz
DC Resistance (Re)	5.46
Coil Inductance (Le)	0.55mH
Mechanical Q (Qms)	17.5
Electromagnetic Q (Qes)	0.52
Total Q (Qts)	0.51
Compliance Equivalent Volume (Vas)	49 liters / 1.7 cu. ft.
Peak Diaphragm Displacement Volume (Vd)	126cc
Mechanical Compliance of Suspension (Cms)	0.27mm/N
BL Product (BL)	11.2 T-M
Diaphragm Mass inc. Airload (Mms)	37 grams
Efficiency Bandwidth Product (EBP)	98
Maximum Linear Excursion (Xmax)	3.5mm
Surface Area of Cone (Sd)	360.7 cm ²
Maximum Mechanical Limit (Xlim)	7.0mm

Mounting Information

Recommended Enclosure Volume	
Sealed	17-23 liters/ 0.6-0.8 cu.ft.
Vented	23-54 liters/ 0.8-1.9 cu.ft.
Overall Diameter	10.25", 260.4mm
Baffle Hole Diameter	9.13", 231.9mm
Front Sealing Gasket	fitted as standard
Rear Sealing Gasket	fitted as standard
Mounting Holes Diameter	0.28", 7.0mm
Mounting Holes B.C.D.	9.73", 247.1mm
Depth	4.75", 121mm
Net Weight	3.6 lbs., 1.6 kg
Shipping Weight	4.7 lbs., 2.1 kg

Materials of Construction

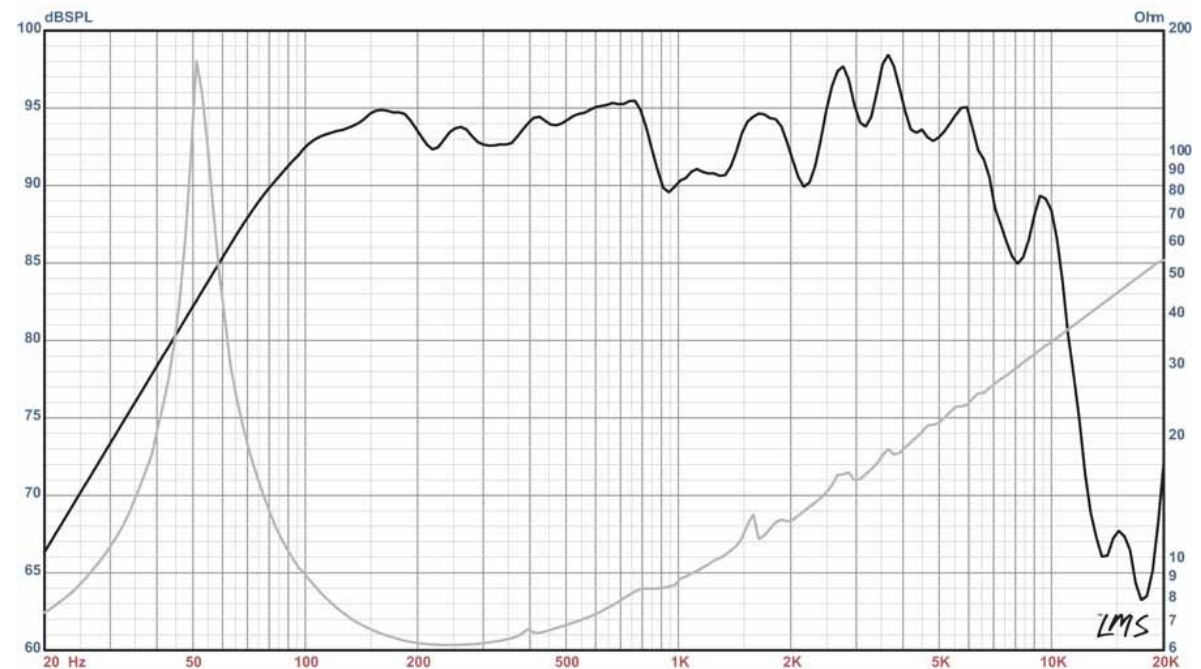
Copper voice coil
 Polyimide former
 Neodymium magnet
 Non-vented core
 Die-cast aluminum basket
 Aluminum Alloy Cone
 Cloth cone edge
 Solid composition felt dust cap


EMINENCE®
 The Art and Science of Sound



BASSLITE® CA2010

Recommended for bass guitar. Excellent in either sealed or vented enclosures. Nice, tight, top end.



* Please inquire about alternative impedances.

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

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

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 | 2ft. X 2ft. 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 CA2010 Med Vented Bass Cabinet

By Jerry McNutt, Eminence Speaker LLC
Displacement Limited to 55 Watts; F3 48 Hz.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 1.75 cu.ft

V(total) = 1.885 cu.ft

Fb = 50 Hz

QL = 7

F3 = 48.08 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 3 in

Lv = 5.49 in

Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 51.38 Hz

Qms = 17.53

Vas = 49.07 liters

Xmax = 3.5 mm

Sd = 360.7 sq.cm

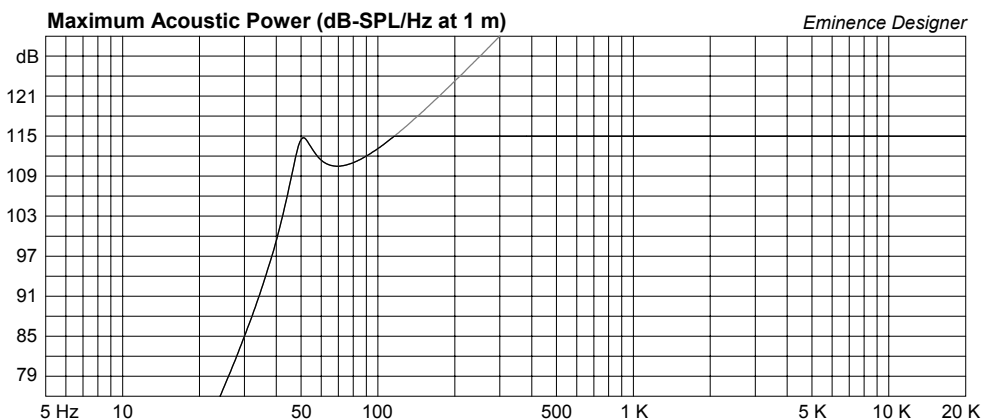
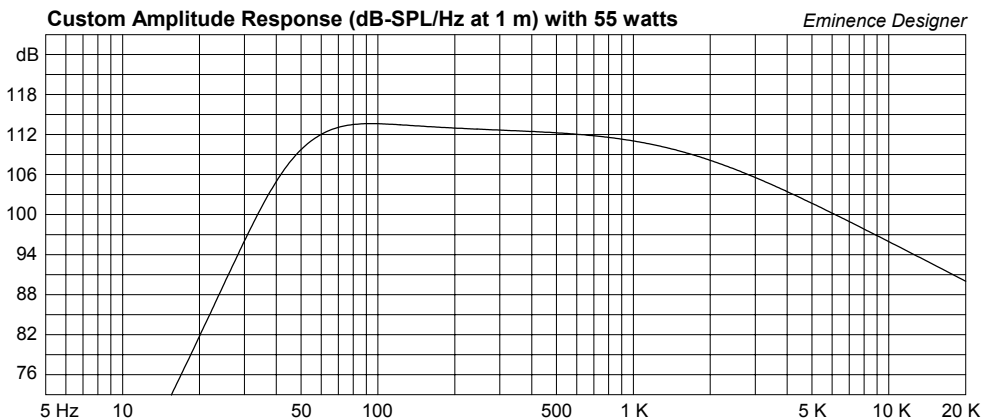
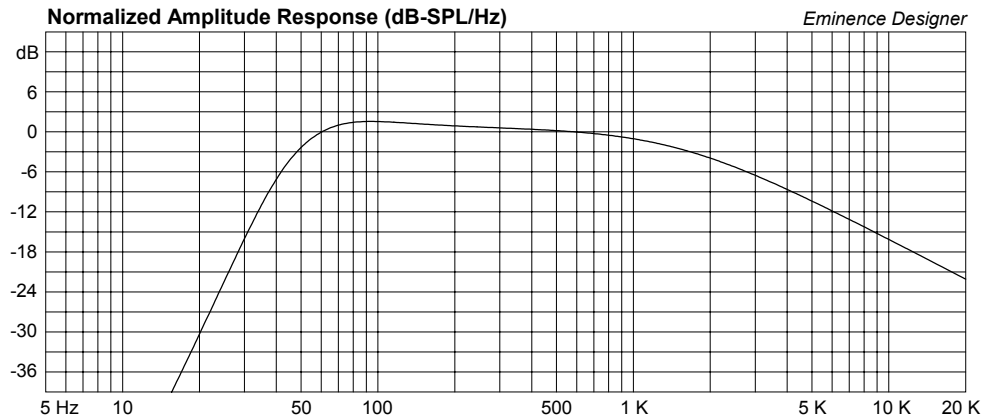
Qes = 0.52

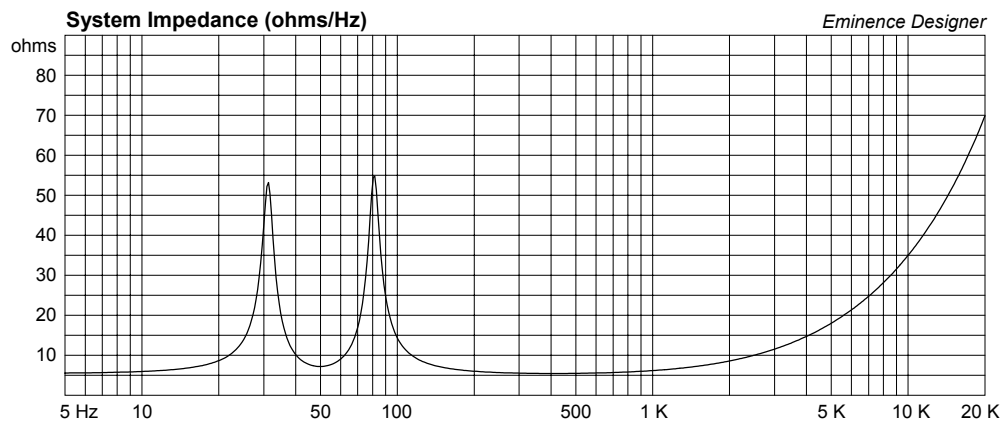
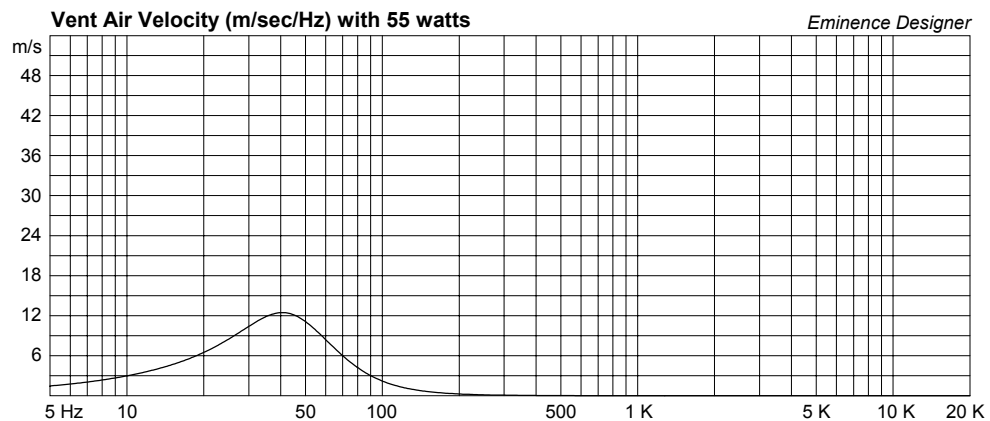
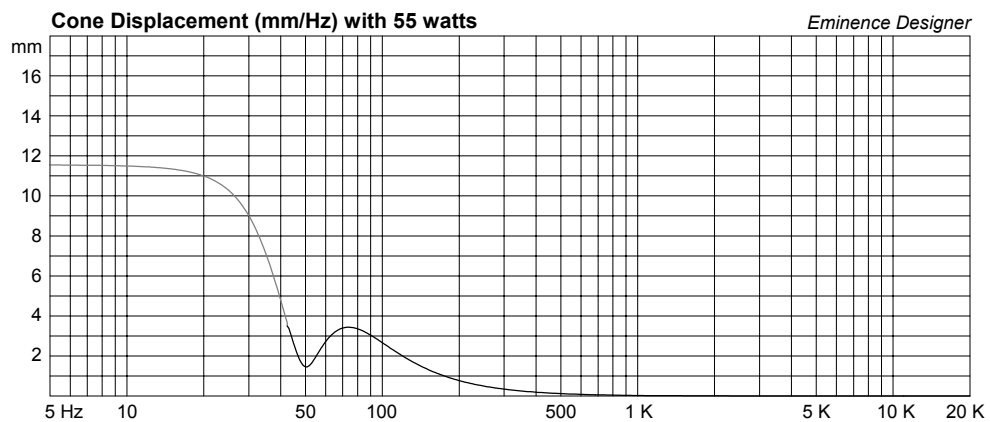
Re = 5.46 ohms

Le = 0.55 mH

Z = 8 ohms

Pe = 150 watts





BassLite CA2010 Med Vented 2x10 Bass Cabinet

By Jerry McNutt, Eminence Speaker LLC

Displacement Limited to 155 Watts; F3 of 57 Hz.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 2.45 cu.ft

V(total) = 2.667 cu.ft

Fb = 60 Hz

QL = 7

F3 = 56.83 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 3.23 in

Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 2

Mounting = Standard

Wiring = Parallel

Drivers sum coherently = Yes

--Driver Parameters--

Fs = 51.38 Hz

Qms = 17.53

Vas = 49.07 liters [98.14]

Xmax = 3.5 mm

Sd = 360.7 sq.cm [721.4]

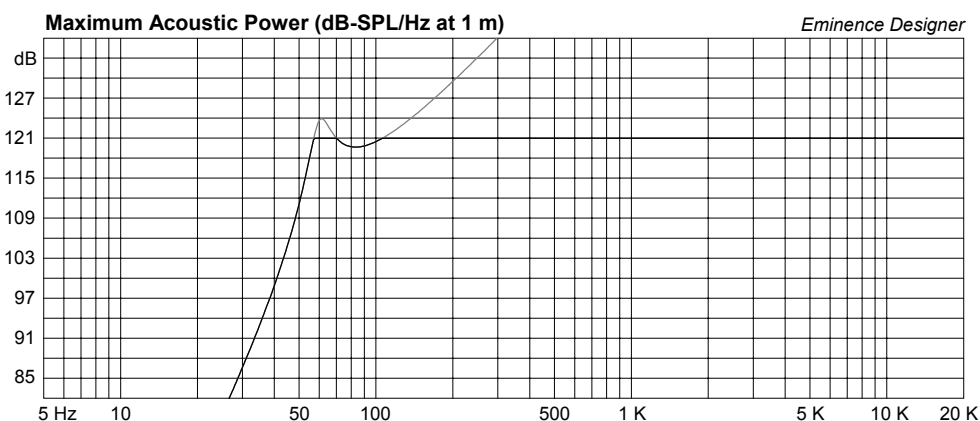
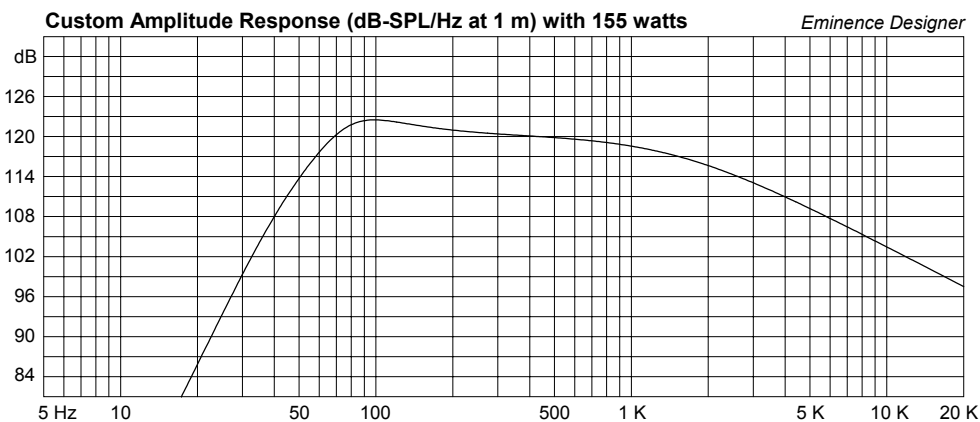
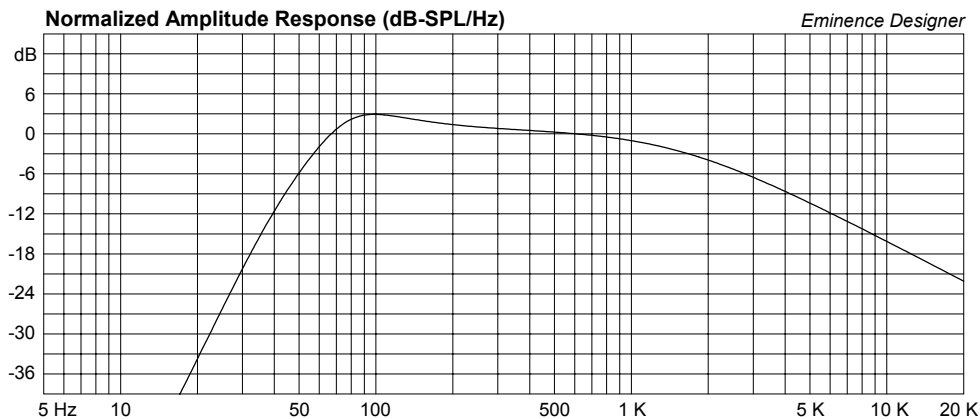
Qes = 0.52

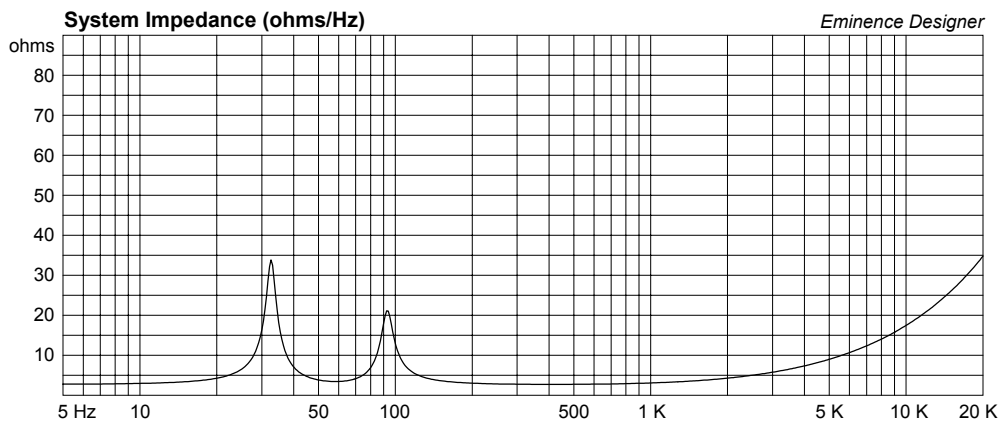
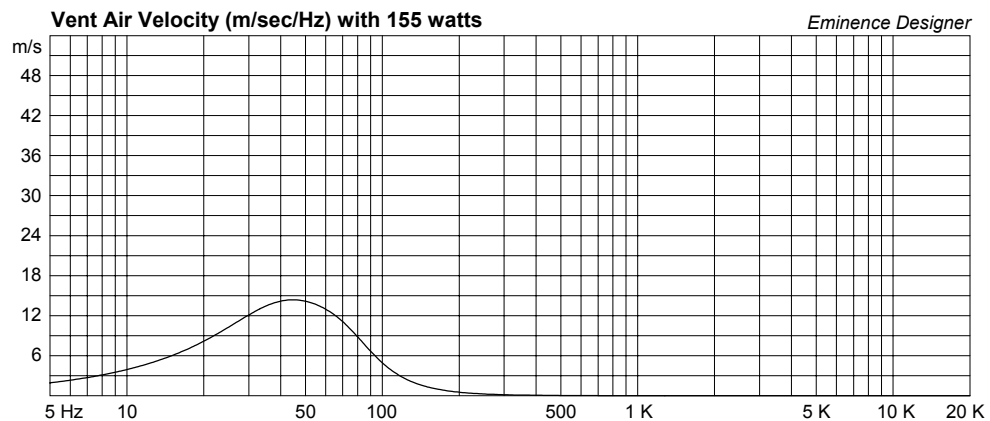
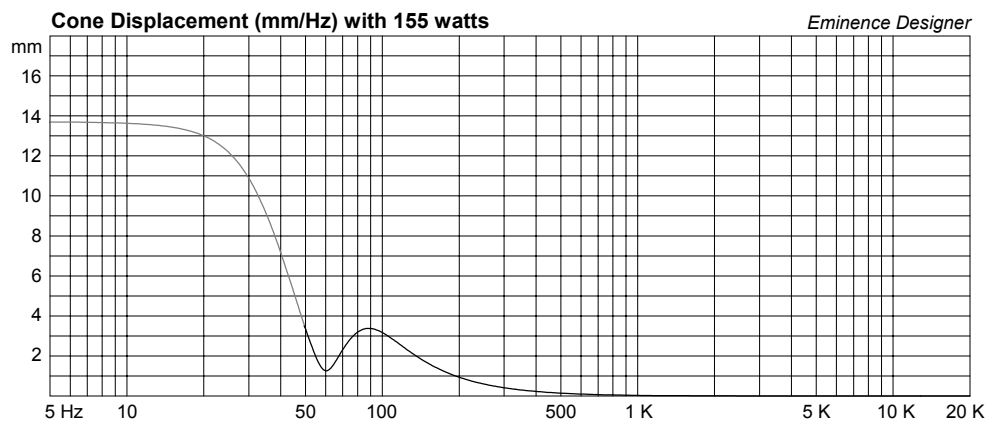
Re = 5.46 ohms [2.73]

Le = 0.55 mH [0.275]

Z = 8 ohms [4]

Pe = 150 watts [300]





BassLite CA2010 Med Vented 4x10 Bass Cabinet

By Jerry McNutt, Eminence Speaker LLC

Displacement Limited to 350 Watts; F3 of 58 Hz.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 4.5 cu.ft

V(total) = 4.927 cu.ft

Fb = 60 Hz

QL = 7

F3 = 58.45 Hz

Fill = minimal

--Vents--

No. of Vents = 4

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 3.04 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 = 51.38 Hz

Qms = 17.53

Vas = 49.07 liters [196.3]

Xmax = 3.5 mm

Sd = 360.7 sq.cm [1443]

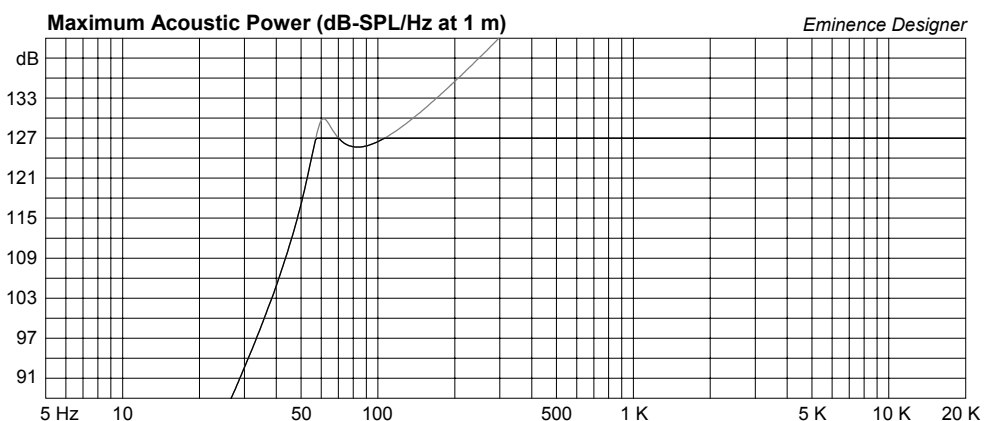
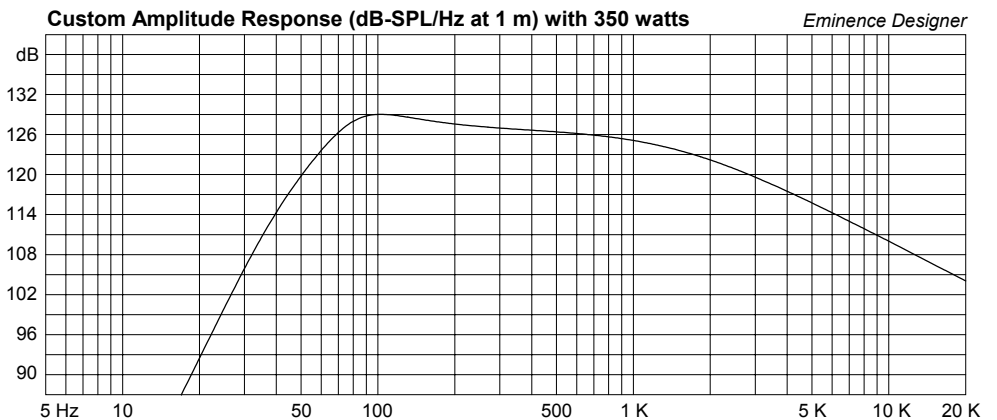
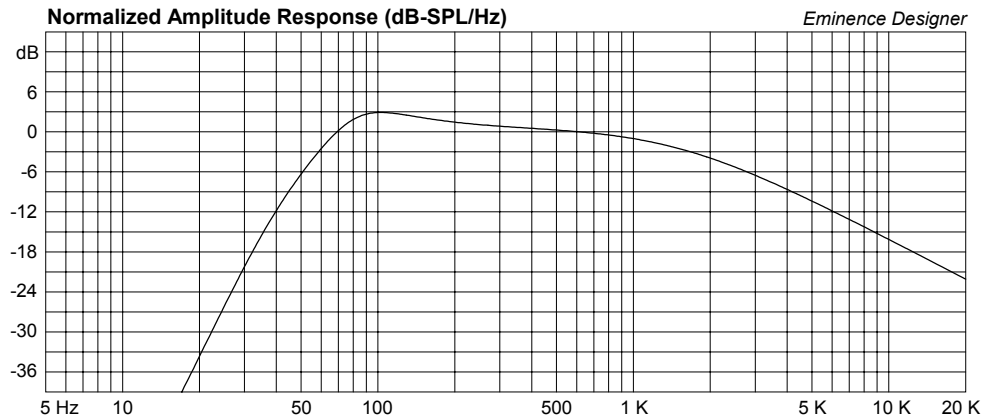
Qes = 0.52

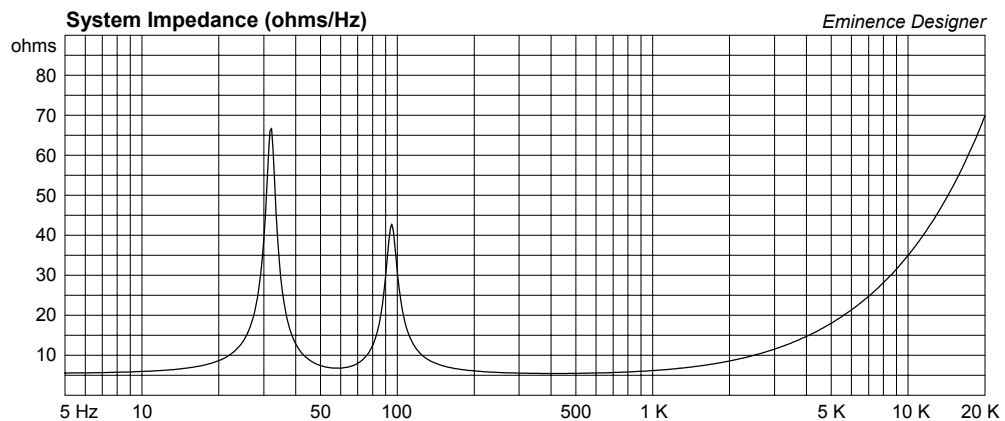
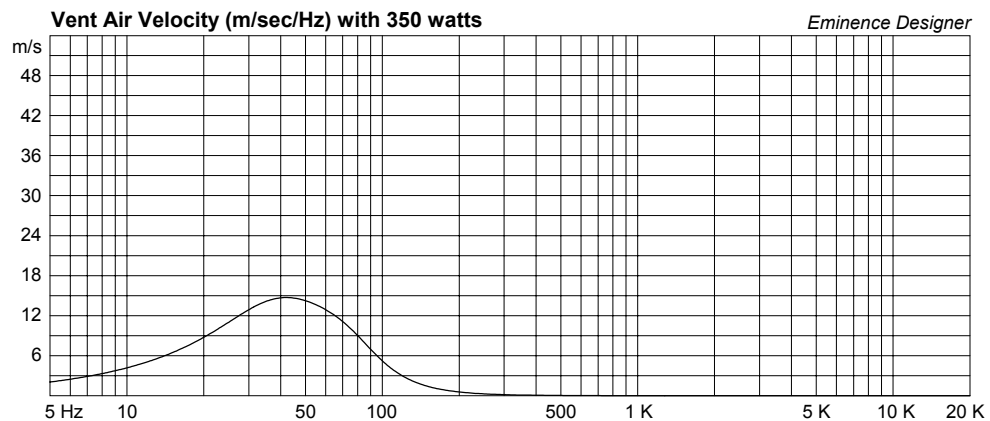
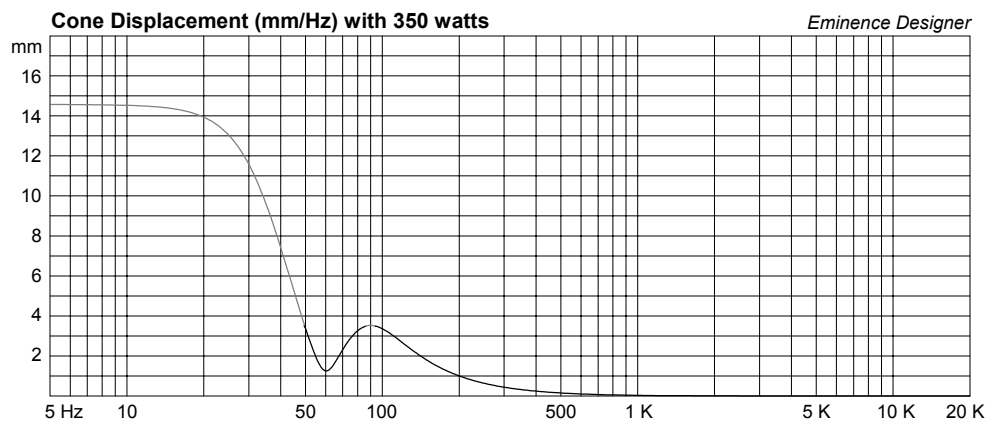
Re = 5.46 ohms [5.46]

Le = 0.55 mH [0.55]

Z = 8 ohms [8]

Pe = 150 watts [600]





BassLite CA2010

By Jerry McNutt, Eminence Speaker LLC

Displacement Limited to 50 Watts; F3 of 88Hz, slow roll off. Tight and very punchy sounding. Very clean and non-boomy.

Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 0.7 cu.ft

V(total) = 0.7 cu.ft

Qtc = 0.73

QL = 20

F3 = 88.15 Hz

Fill = heavy

Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 51.38 Hz

Qms = 17.53

Vas = 49.07 liters

Xmax = 3.5 mm

Sd = 360.7 sq.cm

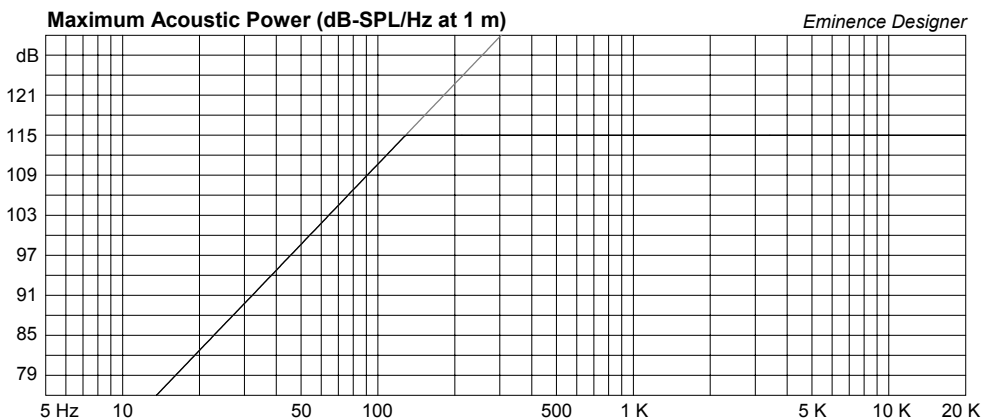
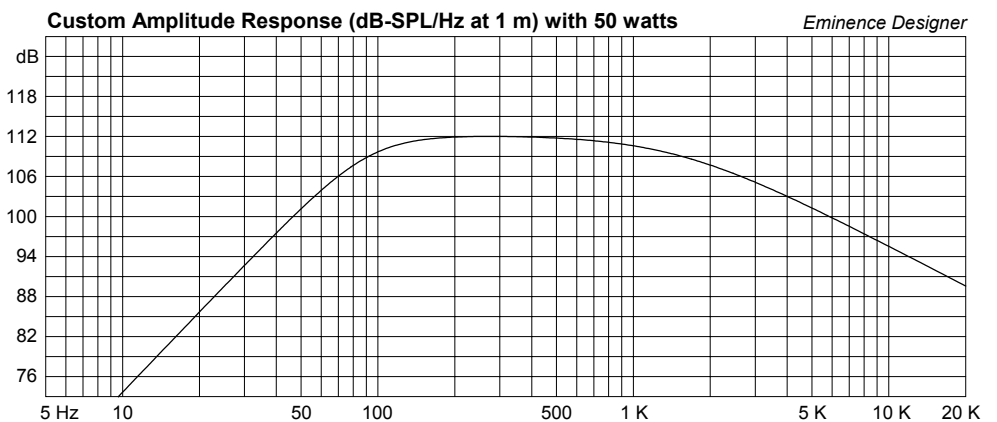
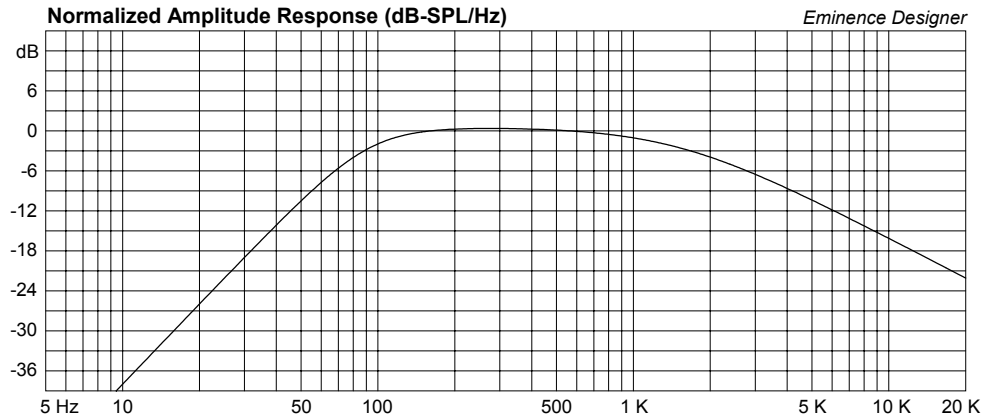
Qes = 0.52

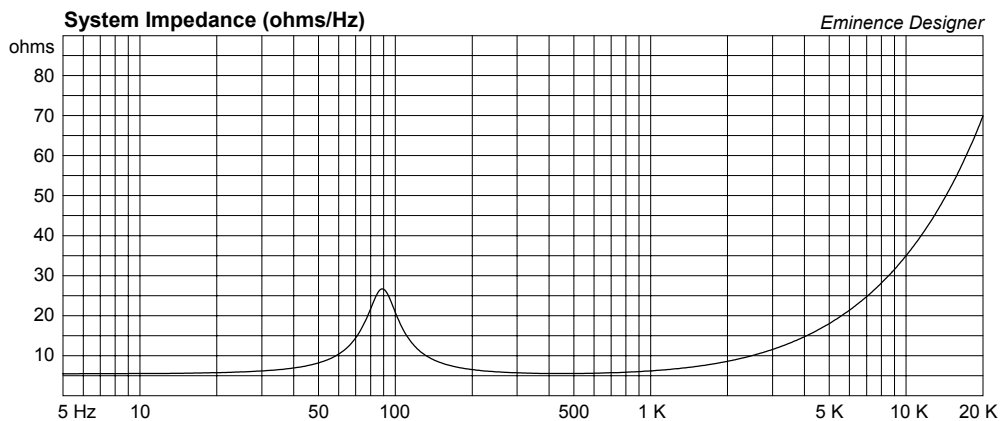
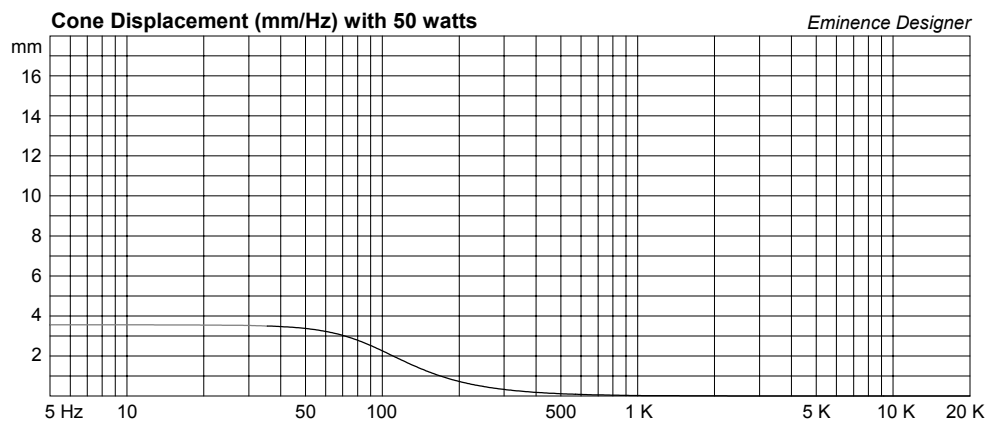
Re = 5.46 ohms

Le = 0.55 mH

Z = 8 ohms

Pe = 150 watts





BassLite CA2010 Small 2x10 Sealed Cabinet

By Jerry McNutt, Eminence Speaker LLC

Displacement Limited to 100 Watts; F3 of 88 Hz, slow roll off below that.

Tight and punchy bass; very clean and non-boomy.

Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 1.559 cu.ft

V(total) = 1.723 cu.ft

Qtc = 0.709

QL = 20

F3 = 87.35 Hz

Fill = heavy

Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 2

Mounting = Standard

Wiring = Parallel

Drivers sum coherently = Yes

--Driver Parameters--

Fs = 51.38 Hz

Qms = 17.53

Vas = 49.07 liters [98.14]

Xmax = 3.5 mm

Sd = 360.7 sq.cm [721.4]

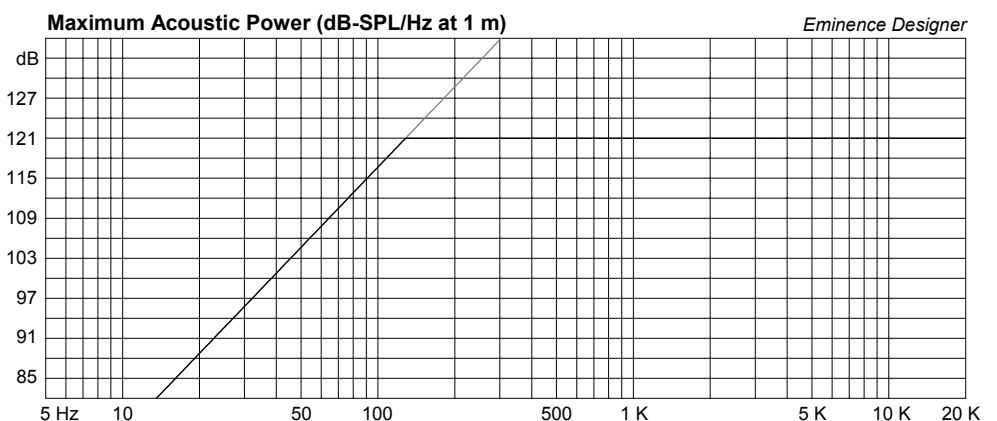
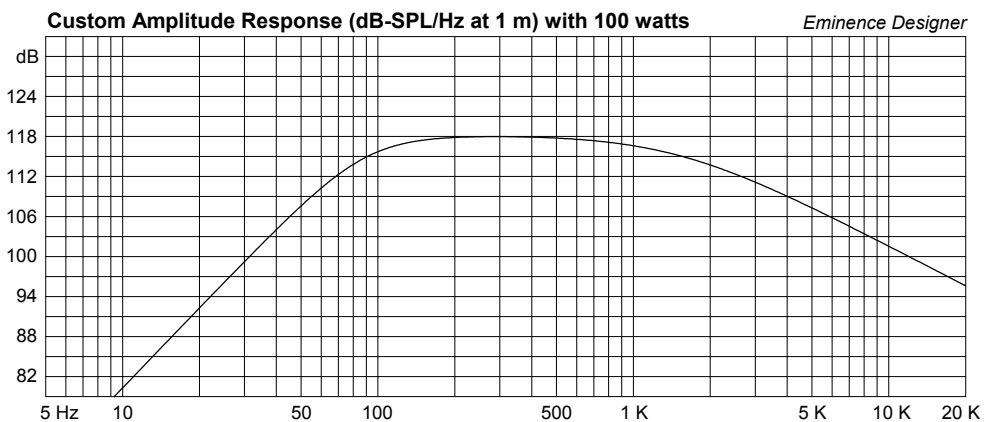
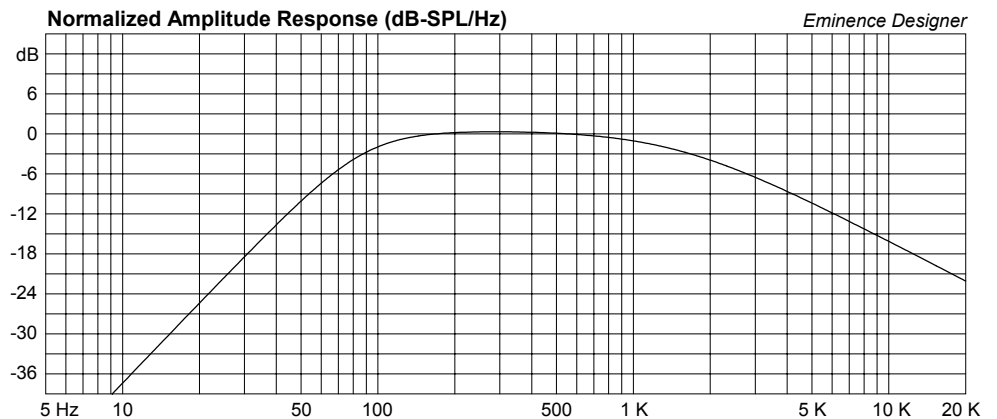
Qes = 0.52

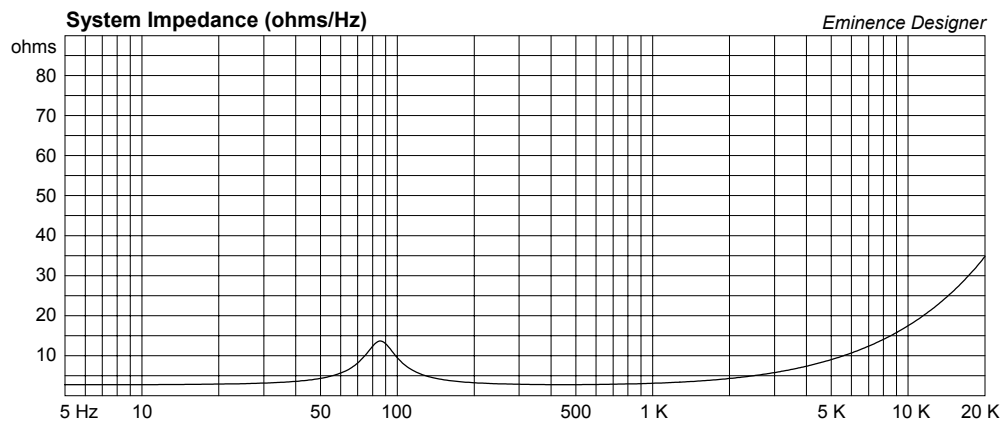
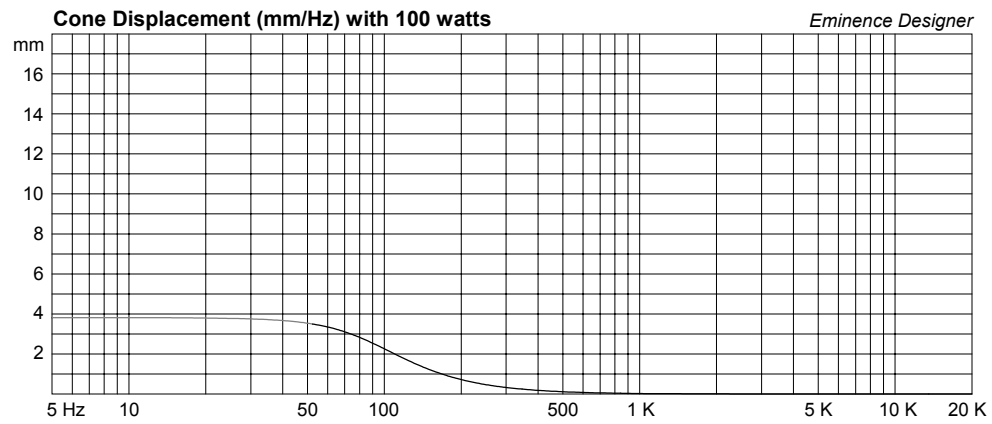
Re = 5.46 ohms [2.73]

Le = 0.55 mH [0.275]

Z = 8 ohms [4]

Pe = 150 watts [300]





BassLite CA2010 Sealed 4x10 Bass Cabinet

By Jerry McNutt, Eminence Speaker LLC

Displacement Limited to 200 Watts; F3 of 88 Hz, slow roll-off below that.

Very tight and punchy sounding; very clean and non-boomy.

Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 3.042 cu.ft

V(total) = 3.369 cu.ft

Qtc = 0.707

QL = 15.92

F3 = 88.26 Hz

Fill = heavy

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 = 51.38 Hz

Qms = 17.53

Vas = 49.07 liters [196.3]

Xmax = 3.5 mm

Sd = 360.7 sq.cm [1443]

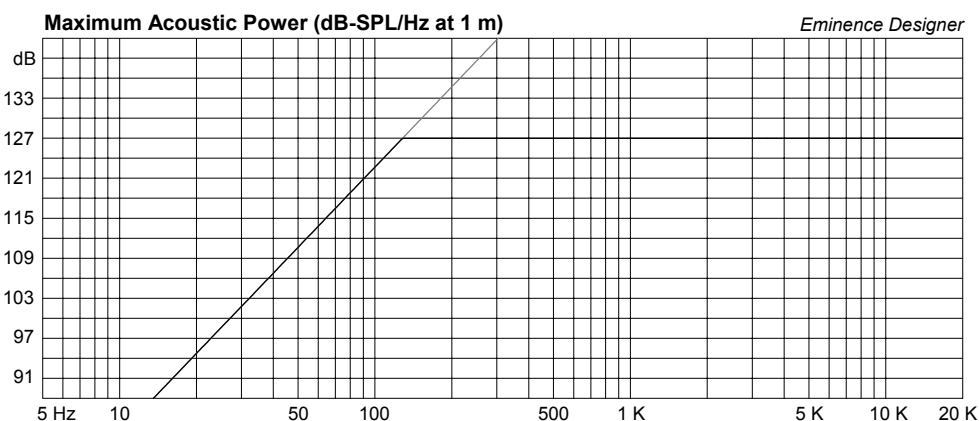
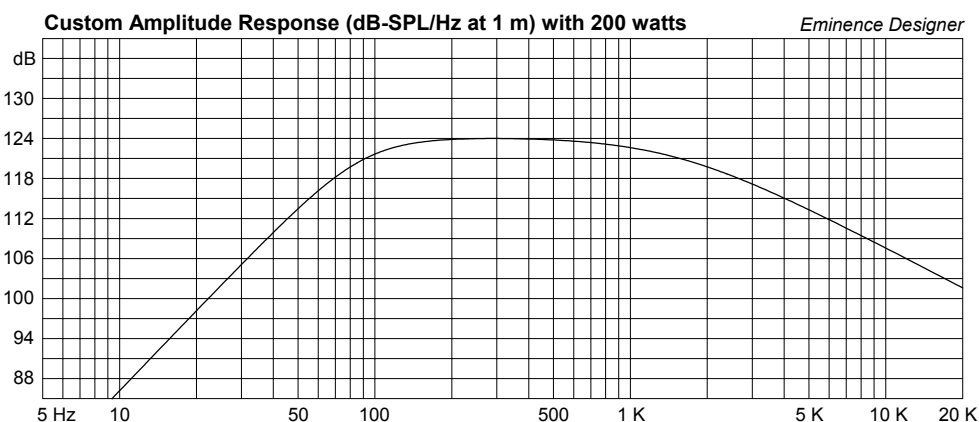
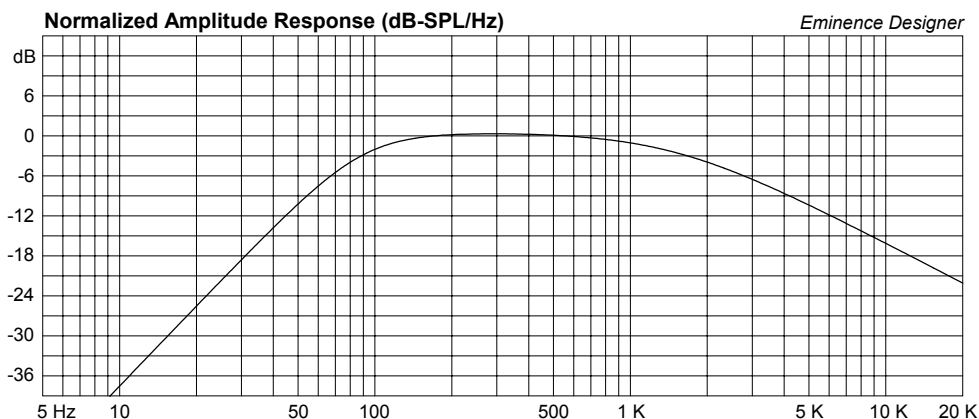
Qes = 0.52

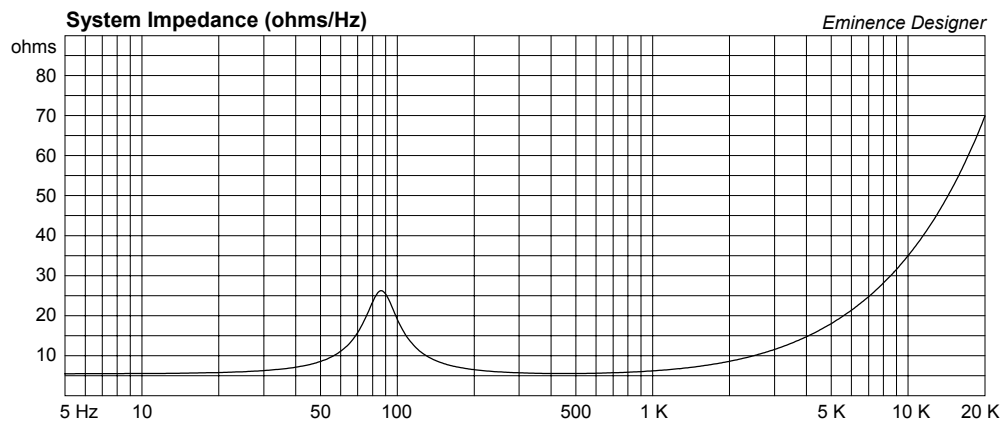
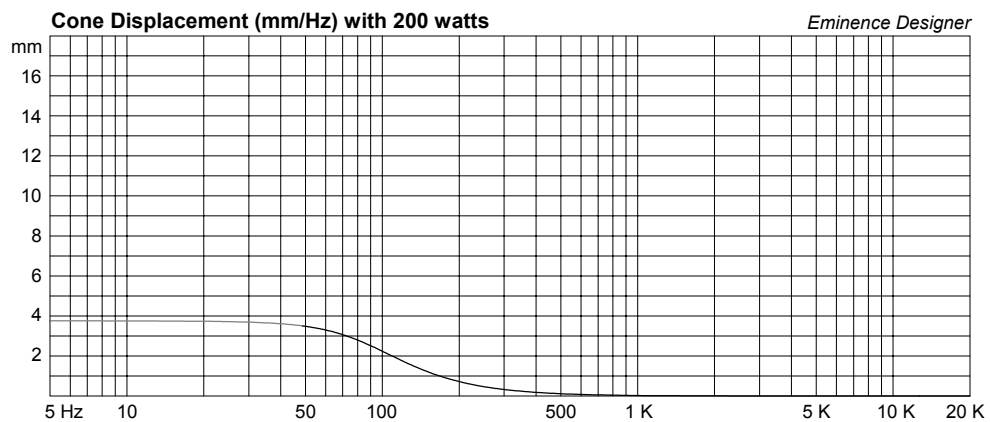
Re = 5.46 ohms [5.46]

Le = 0.55 mH [0.55]

Z = 8 ohms [8]

Pe = 150 watts [600]





BassLite CA2010 Small Vented Bass Cabinet

By Jerry McNutt, Eminence Speaker LLC

Displacement Limited to 125 Watts; F3 of 70 Hz.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 0.74 cu.ft

V(total) = 0.894 cu.ft

Fb = 69.42 Hz

QL = 7

F3 = 69.98 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 3 in

Lv = 7.551 in

Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 51.38 Hz

Qms = 17.53

Vas = 49.07 liters

Xmax = 3.5 mm

Sd = 360.7 sq.cm

Qes = 0.52

Re = 5.46 ohms

Le = 0.55 mH

Z = 8 ohms

Pe = 150 watts

