

## Specification

Nominal Basket Diameter	10", 254mm
Nominal Impedance*	8 ohms
Power Rating**	
Watts	200W
Music Program	400W
Resonance	35Hz
Usable Frequency Range***	40Hz-2kHz
Sensitivity	92
Magnet Weight	38 oz
Gap Height	0.312", 7.92mm
Voice Coil Diameter	2", 50.8mm

## Thiele & Small Parameters

Resonant Frequency (fs)	35Hz
DC Resistance (Re)	5.59
Coil Inductance (Le)	0.83mH
Mechanical Q (Qms)	5.36
Electromagnetic Q (Qes)	0.47
Total Q (Qts)	0.43
Compliance Equivalent Volume (Vas)	91.2 ltr/3.2 cu. ft.
Peak Diaphragm Displacement Volume (Vd)	207cc
Mechanical Compliance of Suspension (Cms)	0.54mm/N
BL Product (BL)	10.0 T-M
Diaphragm Mass inc. Airload (Mms)	38 grams
Efficiency Bandwidth Product (EBP)	75
Maximum Linear Excursion (Xmax)	6.2mm
Surface Area of Cone (Sd)	334.5cm <sup>2</sup>
Maximum Mechanical Limit (Xlim)	10.0mm

## Mounting Information

Recommended Enclosure Volume	
Sealed	14-28 ltr/0.5-1 cu. ft.
Vented	25.5-62 ltr/0.9-2.2 cu. ft.
Overall Diameter	10.08", 256.1mm
Baffle Hole Diameter	9.05", 229.7mm
Front Sealing Gasket	Fitted as Standard
Rear Sealing Gasket	Fitted as Standard
Mounting Holes Diameter	0.25", 6.4mm
Mounting Holes B.C.D.	9.66", 245.4mm
Depth	4.25", 108mm
Net Weight	8.9 lbs, 4 kg
Shipping Weight	9.1 lbs, 4.1 kg

## Materials of Construction

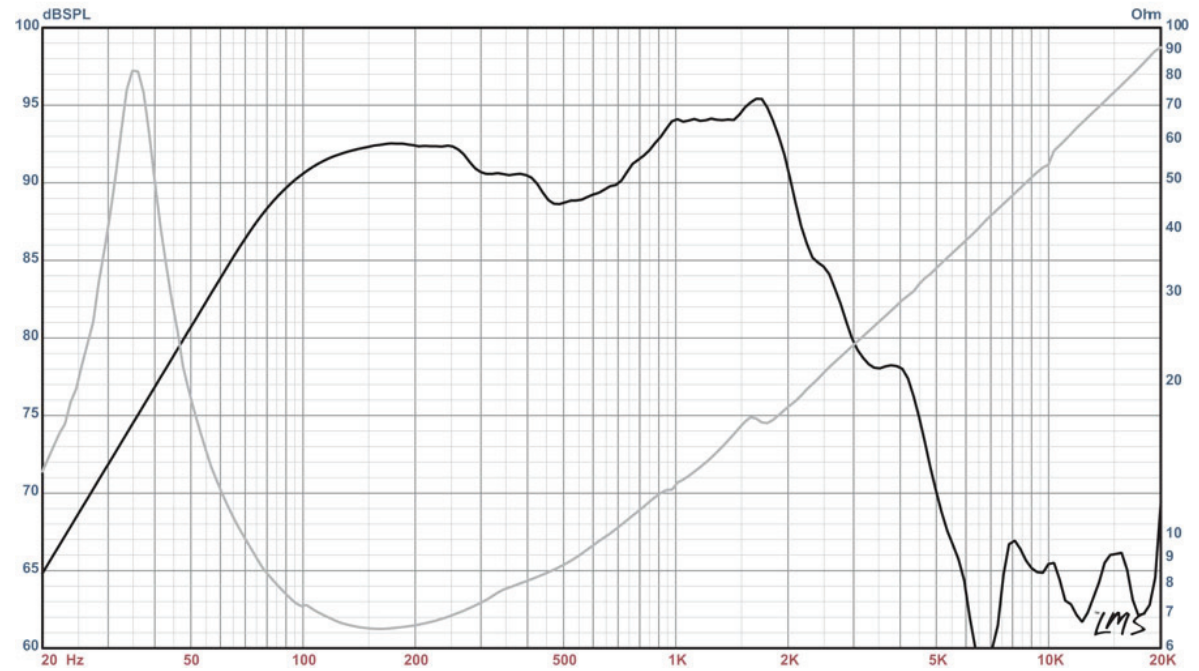
Coil Construction	Copper
Coil	Polyimide
Magnet Composition	Ferrite
Core Details	Non-Vented
Basket Materials	Pressed Steel
Cone Composition	Paper
Cone Edge Composition	Cloth
Dust Cap Composition	Zurette




  
**EMINENCE**<sup>®</sup>
  
 The Art and Science of Sound

## LEGEND BP102

Recommended for professional bass guitar applications in a sealed or vented enclosure.  
Works well in single or multi driver designs.



\* 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. ie: 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)

# Legend BP102 Larger Sealed 1x10 Bass Guitar Cabinet

By McJerry, Eminence Speaker LLC

Displacement Limited to 75 Watts; F3 of 70 Hz. Use a high pass filter set to 35 Hz for added protection.

## Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 0.898 cu.ft

V(total) = 0.967 cu.ft

Qtc = 0.707

QL = 19.97

F3 = 70.14 Hz

Fill = heavy

## Driver Properties

--Description--

Name: Legend BP102

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised NOV 2005

Piston: Paper cone.

Suspension: Cloth surround.

Dust Cap: Zurette dust cap.

Frame: Stamped steel basket.

Voice Coil: 2 inch copper voice coil.

Magnet: 38 oz magnet.

--Configuration--

**No. of Drivers = 1**

--Driver Parameters--

Fs = 35.27 Hz

Qms = 5.36

Vas = 91.23 liters

Xmax = 6.2 mm

Sd = 334.5 sq.cm

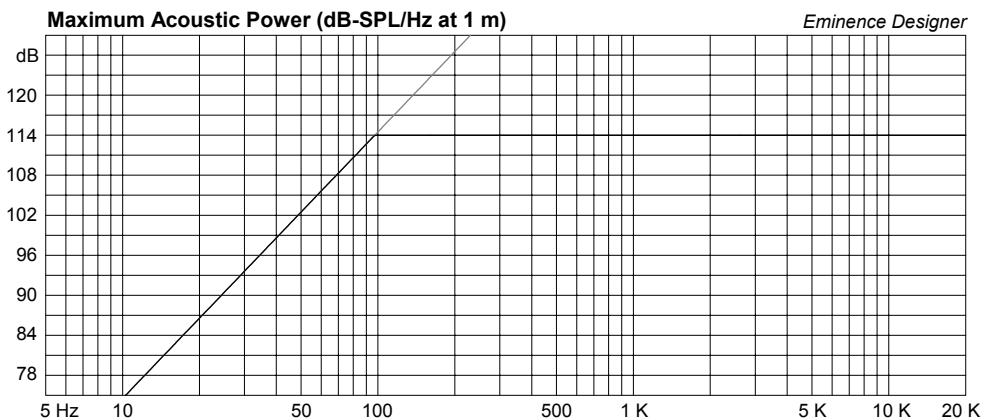
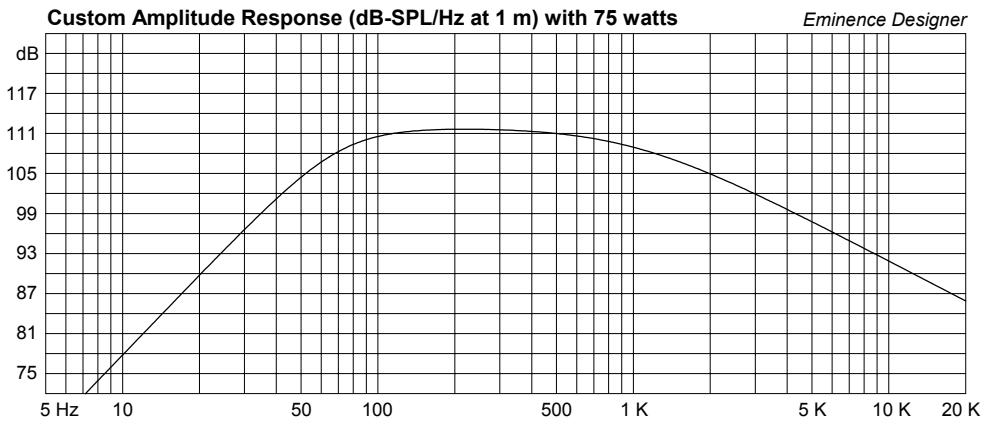
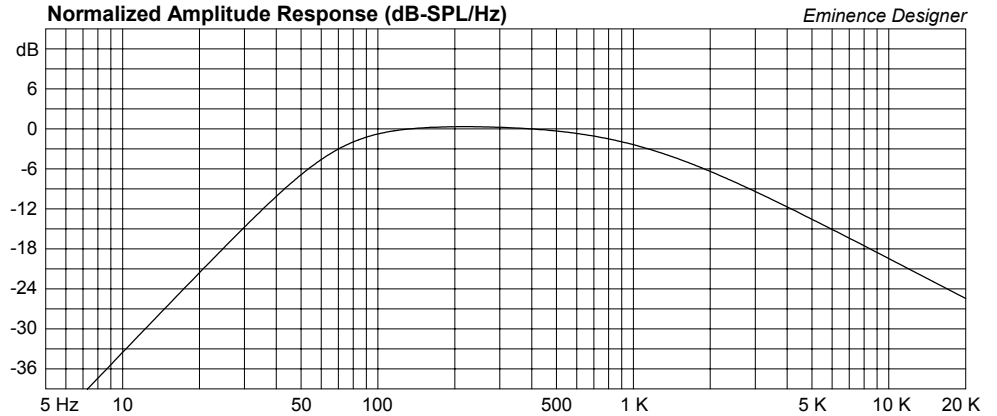
Qes = 0.47

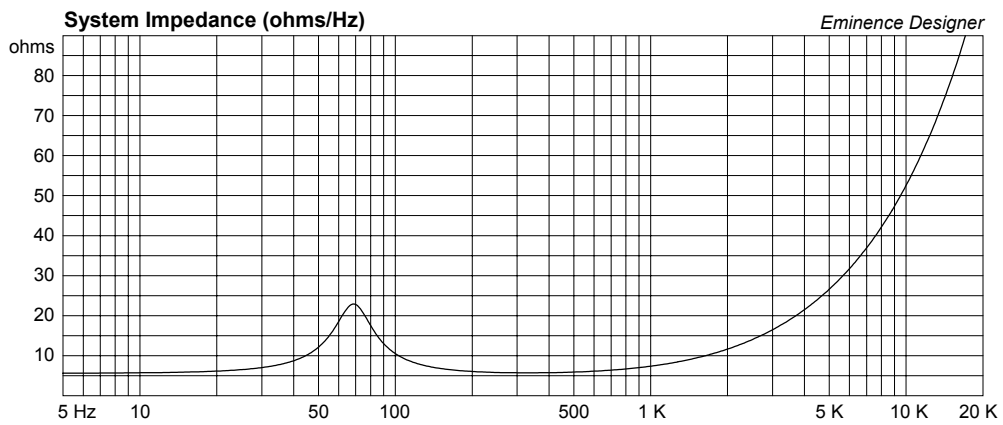
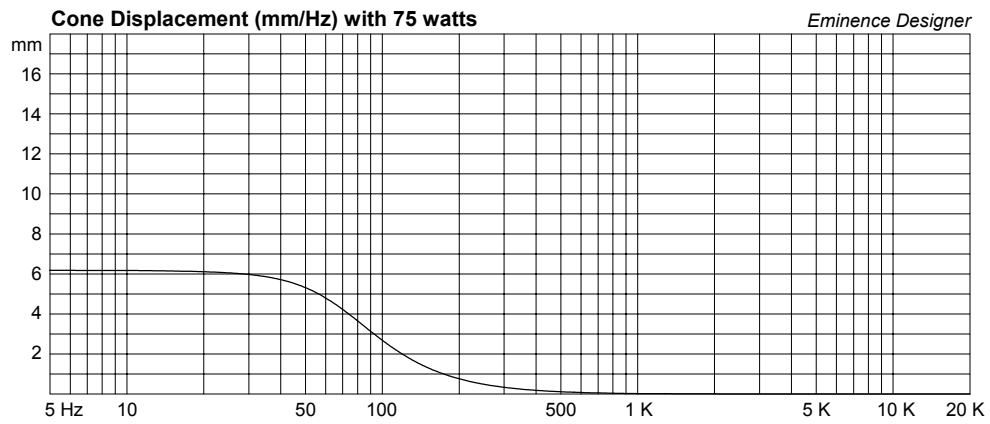
Re = 5.59 ohms

Le = 0.83 mH

Z = 8 ohms

Pe = 200 watts





# Legend BP102 Larger Sealed 2x10 Bass Guitar Cabinet

By McJerry, Eminence Speaker LLC

Displacement Limited to 150 Watts; F3 of 71 Hz. Use a high pass filter set to 30 Hz for added protection.

## Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 1.778 cu.ft

V(total) = 1.914 cu.ft

Qtc = 0.707

QL = 18.31

F3 = 70.47 Hz

Fill = heavy

## Driver Properties

--Description--

Name: Legend BP102

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised NOV 2005

Piston: Paper cone.

Suspension: Cloth surround.

Dust Cap: Zurette dust cap.

Frame: Stamped steel basket.

Voice Coil: 2 inch copper voice coil.

Magnet: 38 oz magnet.

--Configuration--

**No. of Drivers = 2**

Mounting = Standard

Wiring = Parallel

Drivers sum coherently = Yes

--Driver Parameters--

Fs = 35.27 Hz

Qms = 5.36

Vas = 91.23 liters [182.5]

Xmax = 6.2 mm

Sd = 334.5 sq.cm [669]

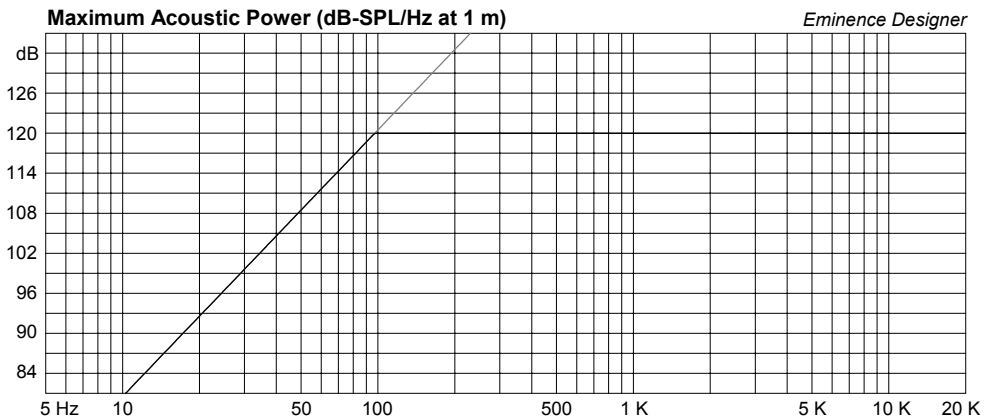
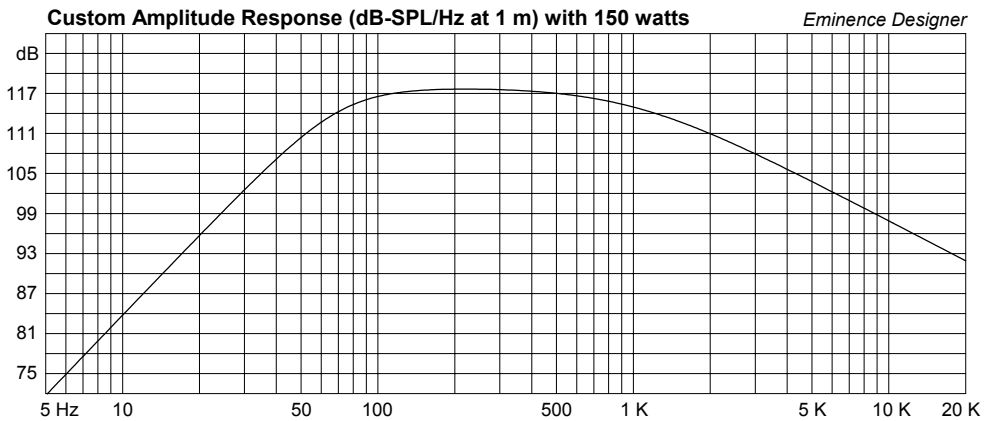
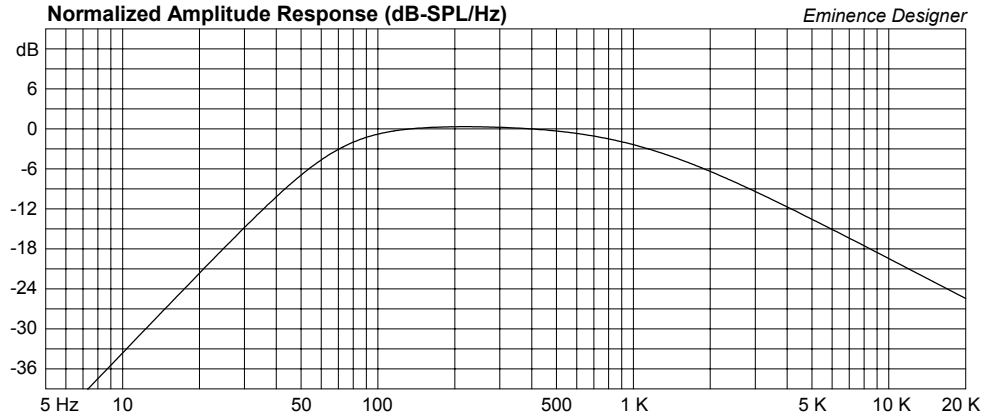
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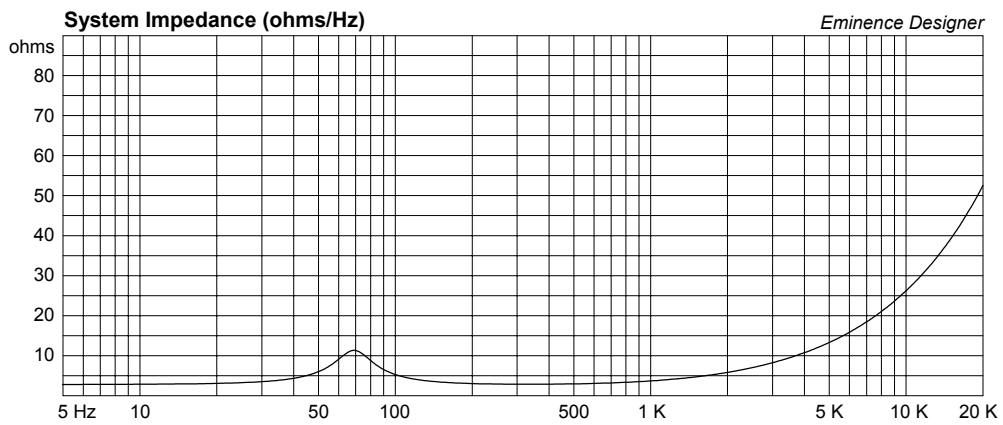
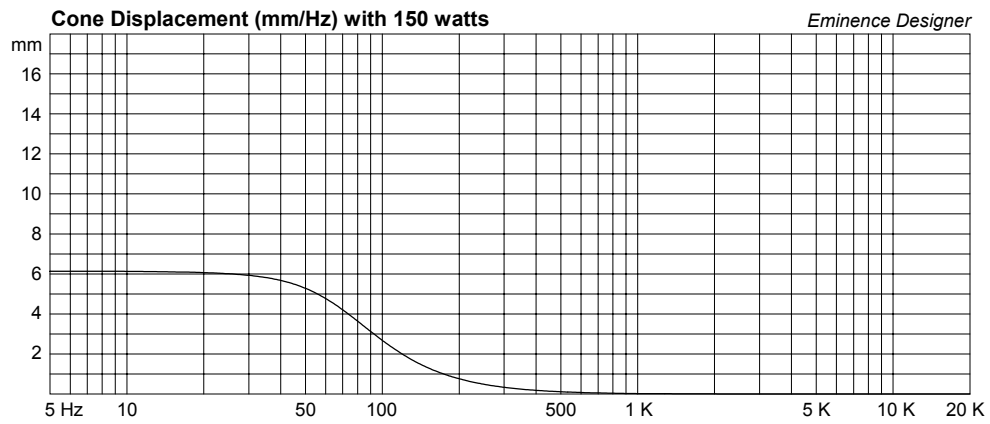
Re = 5.59 ohms [2.795]

Le = 0.83 mH [0.415]

Z = 8 ohms [4]

Pe = 200 watts [400]





# Legend BP102 Larger Vented 1x10 Bass Guitar Cabinet

By McJerry, Eminence Speaker LLC

Displacement Limited to 100 Watts; F3 of 40 Hz. Use a high pass filter set to 35 Hz.

## Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 2 cu.ft

V(total) = 2.126 cu.ft

Fb = 40 Hz

QL = 7

F3 = 40.44 Hz

Fill = minimal

--Vents--

No. of Vents = 1

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 7.007 in

## Driver Properties

--Description--

Name: Legend BP102

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised NOV 2005

Piston: Paper cone.

Suspension: Cloth surround.

Dust Cap: Zurette dust cap.

Frame: Stamped steel basket.

Voice Coil: 2 inch copper voice coil.

Magnet: 38 oz magnet.

--Configuration--

**No. of Drivers = 1**

--Driver Parameters--

Fs = 35.27 Hz

Qms = 5.36

Vas = 91.23 liters

Xmax = 6.2 mm

Sd = 334.5 sq.cm

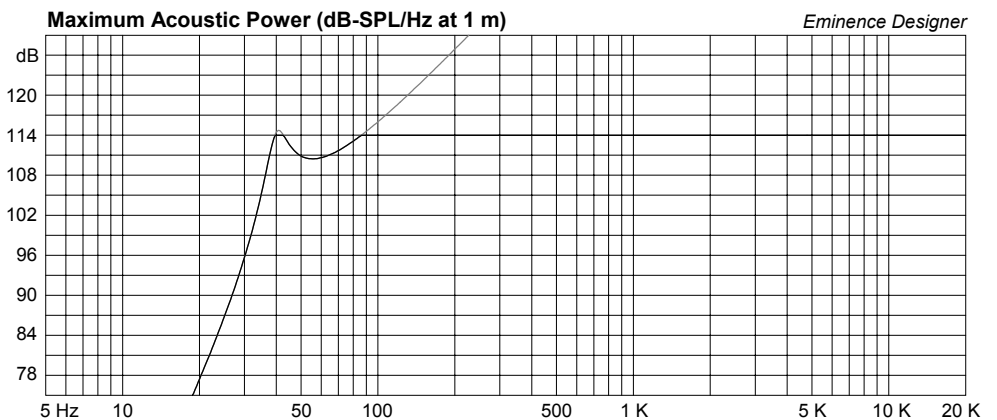
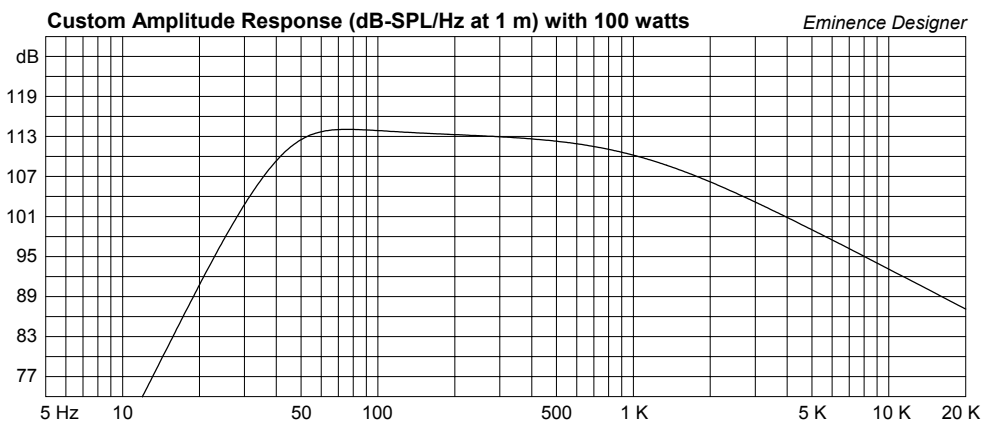
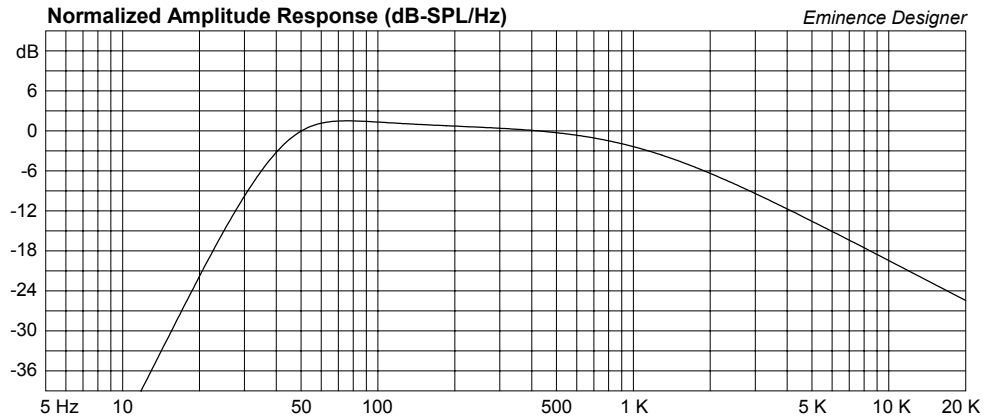
Qes = 0.47

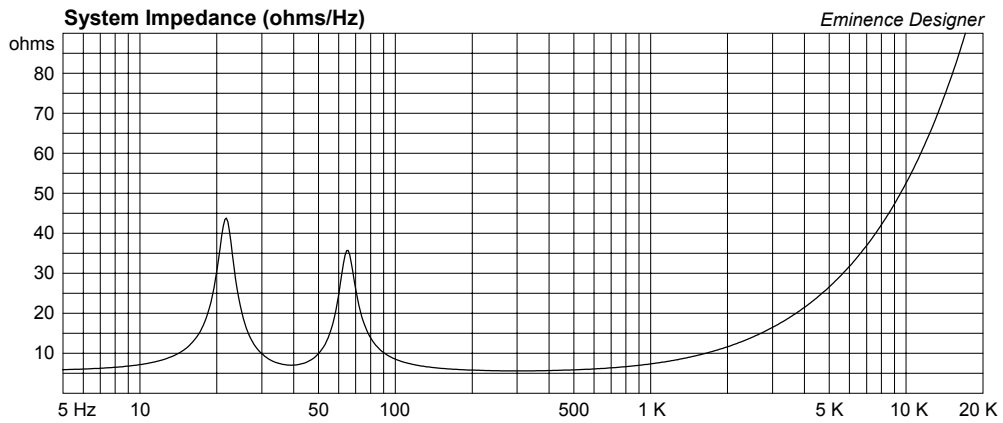
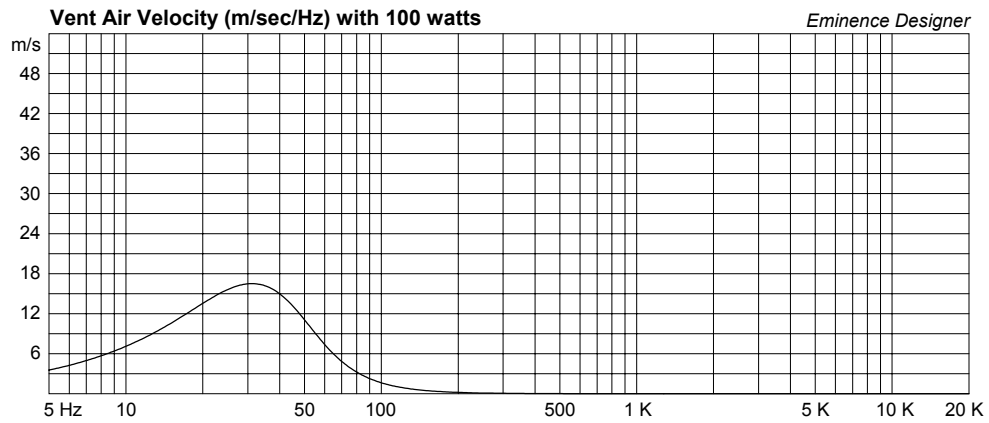
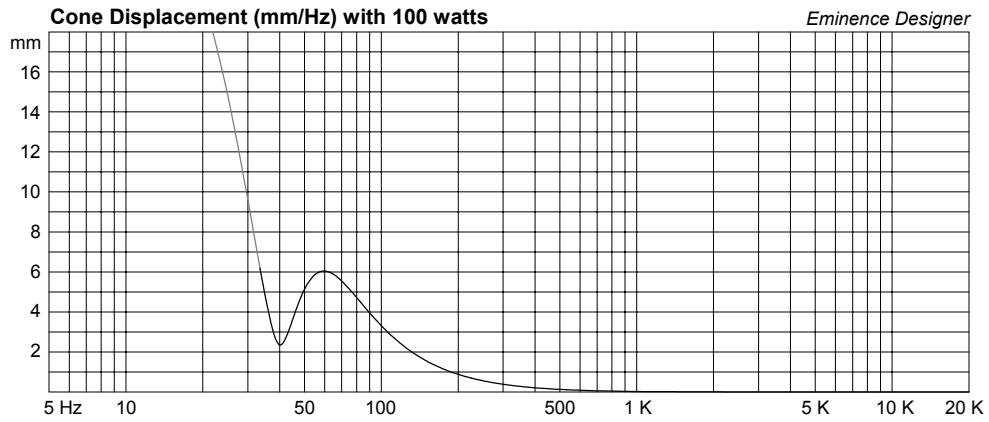
Re = 5.59 ohms

Le = 0.83 mH

Z = 8 ohms

Pe = 200 watts





# Legend BP102 Larger Vented 2x10 Bass Guitar Cabinet

By McJerry, Eminence Speaker LLC

Displacement Limited to 250 Watts; F3 of 43 Hz. Use a high pass filter set to 35 Hz.

## Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 3.8 cu.ft

V(total) = 4.009 cu.ft

Fb = 45 Hz

QL = 7

F3 = 42.45 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 4.398 in

## Driver Properties

--Description--

Name: Legend BP102

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised NOV 2005

Piston: Paper cone.

Suspension: Cloth surround.

Dust Cap: Zurette dust cap.

Frame: Stamped steel basket.

Voice Coil: 2 inch copper voice coil.

Magnet: 38 oz magnet.

--Configuration--

**No. of Drivers = 2**

Mounting = Standard

Wiring = Parallel

Drivers sum coherently = Yes

--Driver Parameters--

Fs = 35.27 Hz

Qms = 5.36

Vas = 91.23 liters [182.5]

Xmax = 6.2 mm

Sd = 334.5 sq.cm [669]

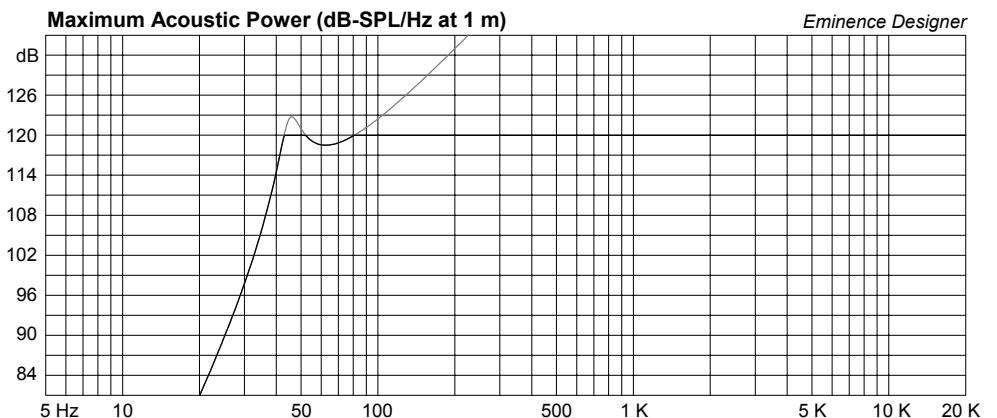
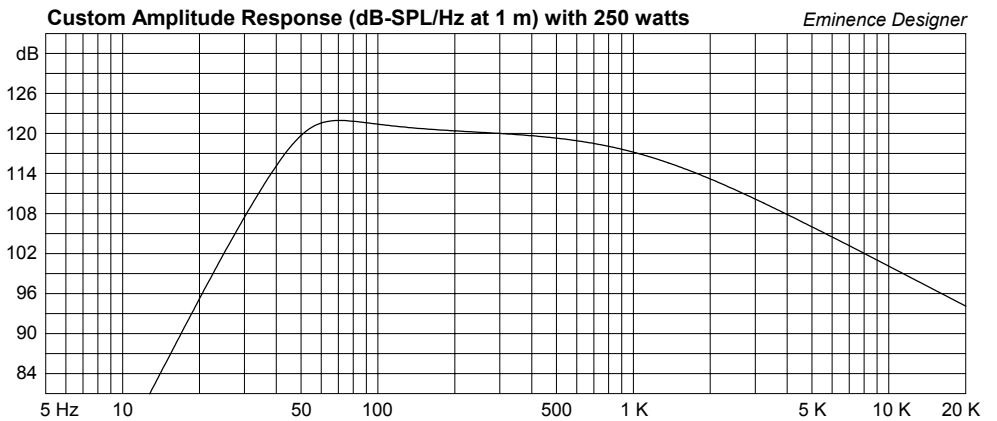
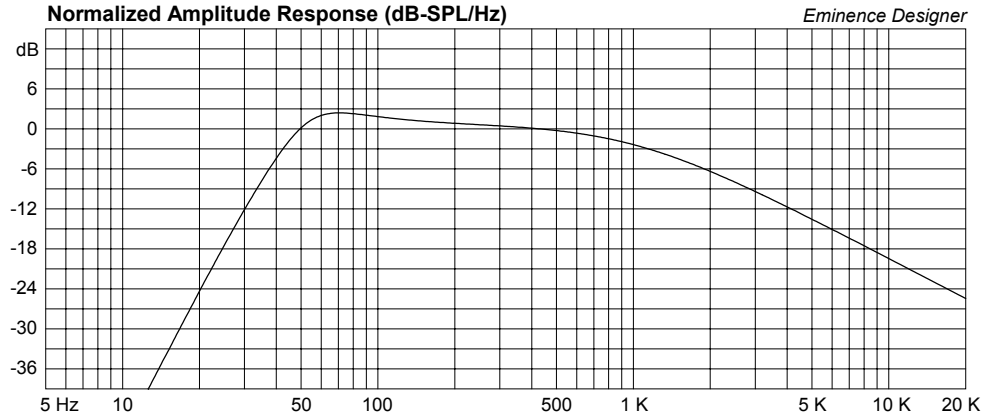
Qes = 0.47

Re = 5.59 ohms [2.795]

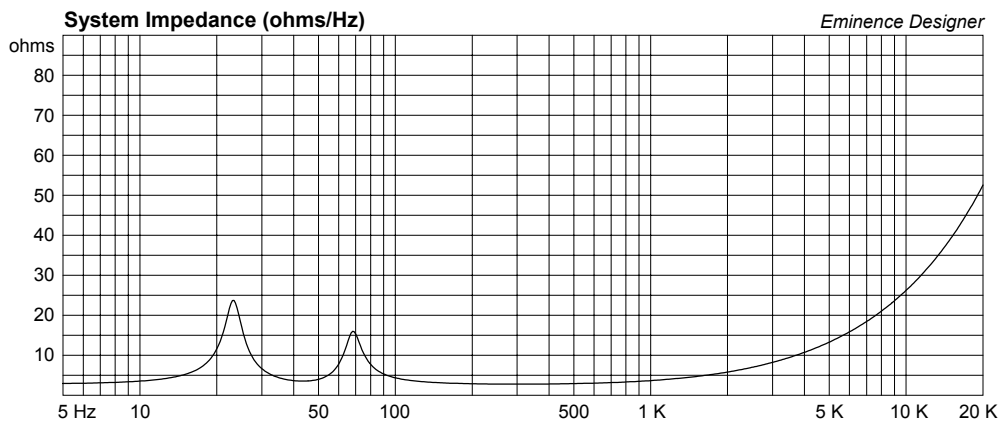
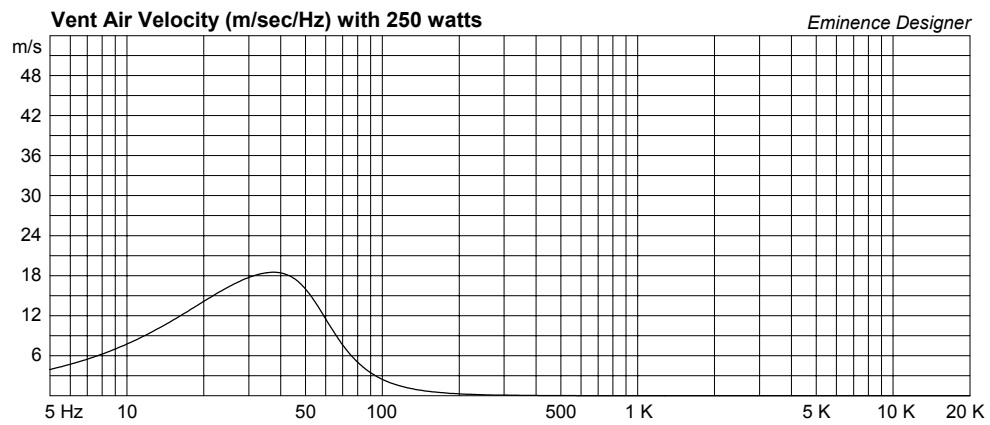
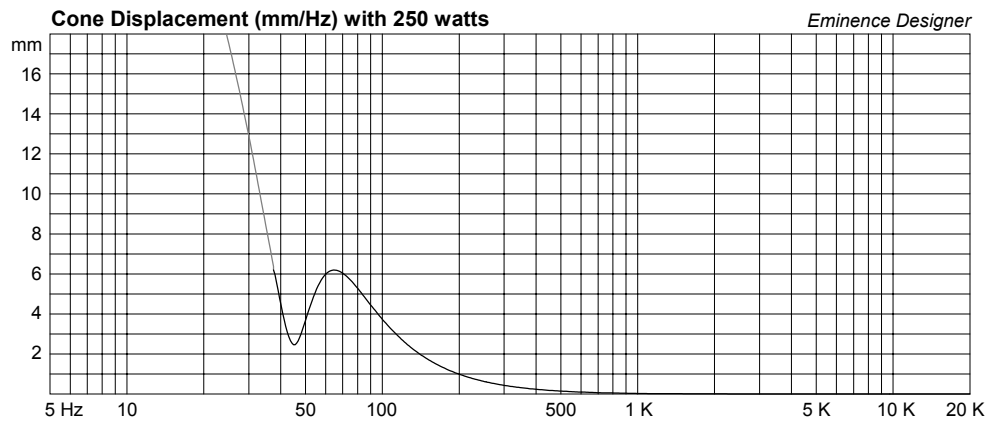
Le = 0.83 mH [0.415]

Z = 8 ohms [4]

Pe = 200 watts [400]







# Legend BP102 Med Sealed 1x10 Bass Guitar Cabinet

By McJerry, Eminence Speaker LLC

Displacement Limited to 100 Watts; F3 of 71 Hz. Use a high pass set to 35 Hz for added protection.

## Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 0.75 cu.ft

V(total) = 0.818 cu.ft

Qtc = 0.748

QL = 19.97

F3 = 71.35 Hz

Fill = heavy

## Driver Properties

--Description--

Name: Legend BP102

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised NOV 2005

Piston: Paper cone.

Suspension: Cloth surround.

Dust Cap: Zurette dust cap.

Frame: Stamped steel basket.

Voice Coil: 2 inch copper voice coil.

Magnet: 38 oz magnet.

--Configuration--

**No. of Drivers = 1**

--Driver Parameters--

Fs = 35.27 Hz

Qms = 5.36

Vas = 91.23 liters

Xmax = 6.2 mm

Sd = 334.5 sq.cm

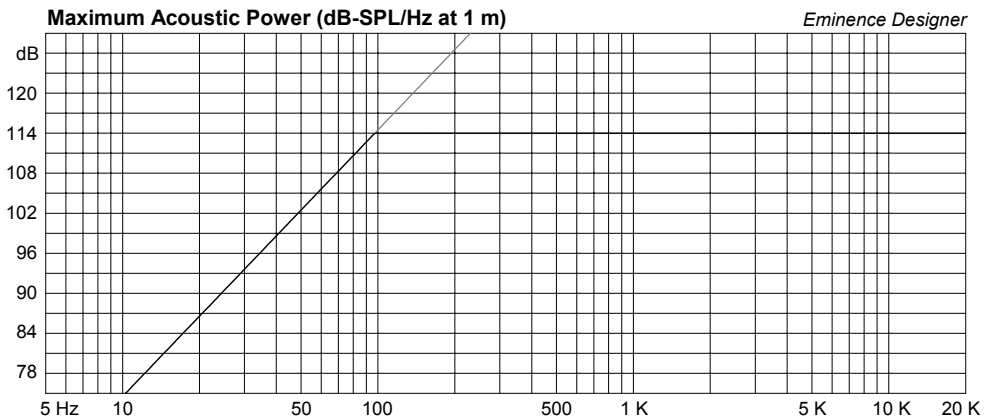
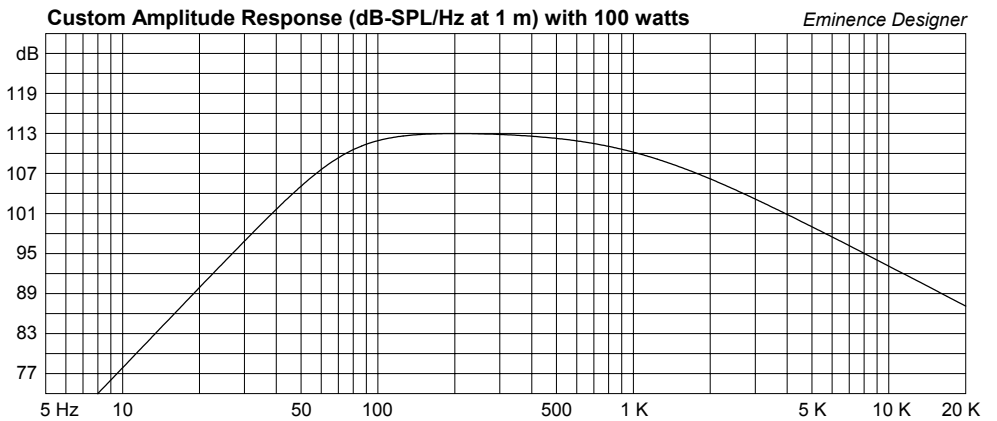
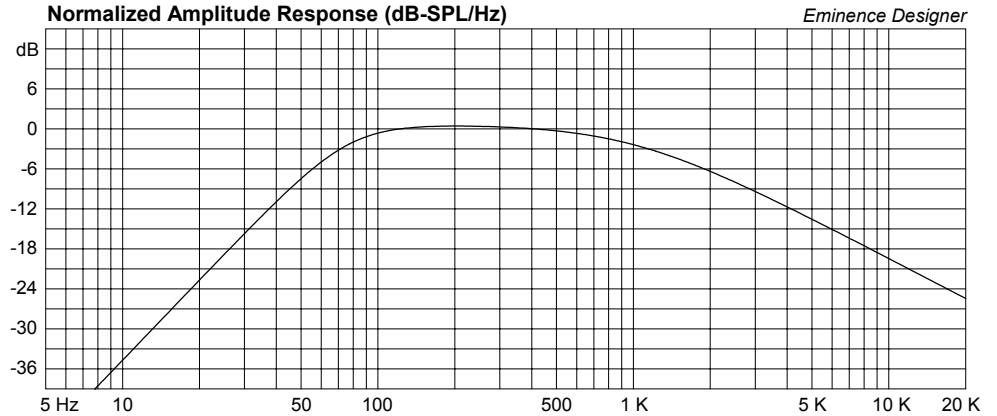
Qes = 0.47

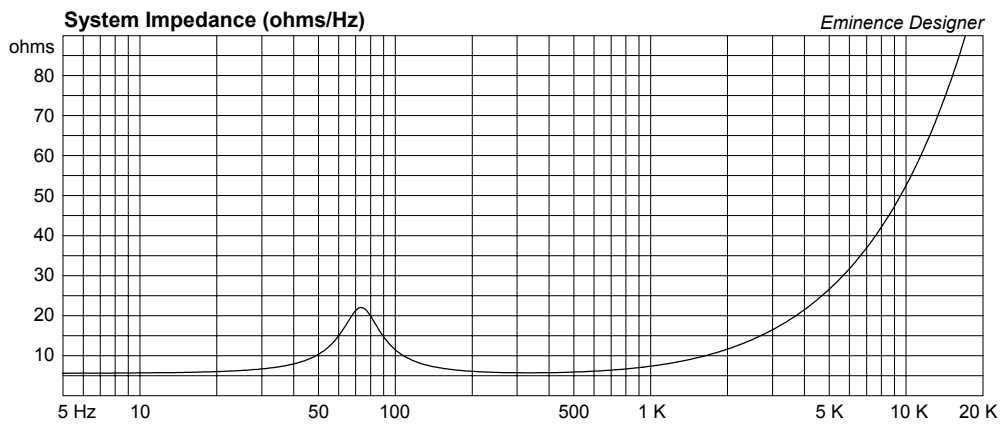
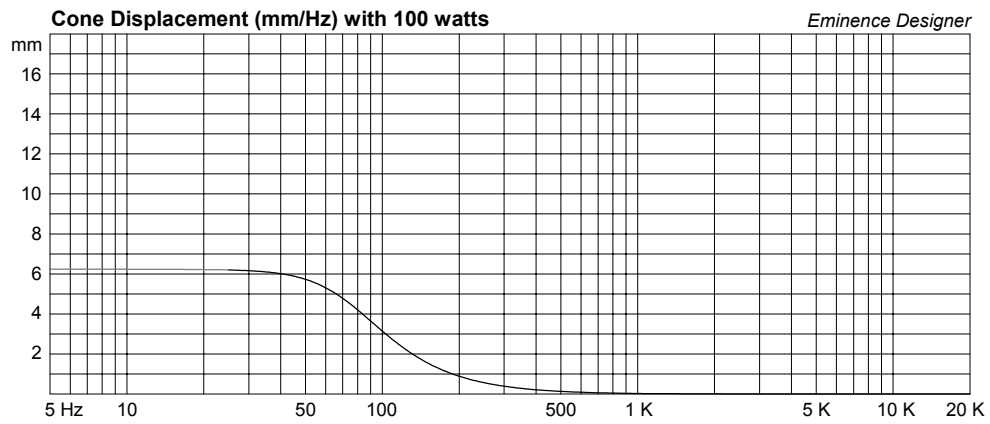
Re = 5.59 ohms

Le = 0.83 mH

Z = 8 ohms

Pe = 200 watts





# Legend BP102 Medium Sealed 4x10 Bass Guitar Cabinet

By McJerry, Eminence Speaker LLC

Displacement Limited to 400 Watts; F3 of 72 Hz. Use a high pass filter set to 30 Hz for added protection.

## Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 3 cu.ft

V(total) = 3.274 cu.ft

Qtc = 0.739

QL = 15.13

F3 = 72.15 Hz

Fill = heavy

## Driver Properties

--Description--

Name: Legend BP102

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised NOV 2005

Piston: Paper cone.

Suspension: Cloth surround.

Dust Cap: Zurette dust cap.

Frame: Stamped steel basket.

Voice Coil: 2 inch copper voice coil.

Magnet: 38 oz magnet.

--Configuration--

**No. of Drivers = 4**

Mounting = Standard

Wiring = Series-Parallel

Drivers sum coherently = Yes

--Driver Parameters--

Fs = 35.27 Hz

Qms = 5.36

Vas = 91.23 liters [364.9]

Xmax = 6.2 mm

Sd = 334.5 sq.cm [1338]

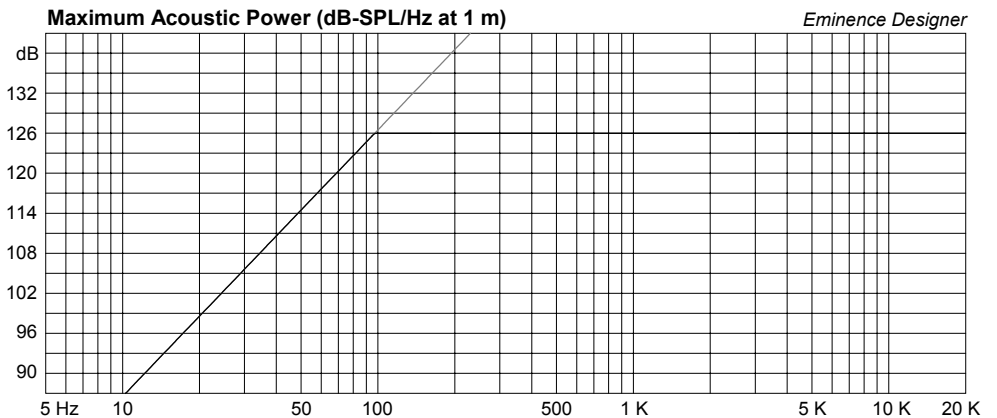
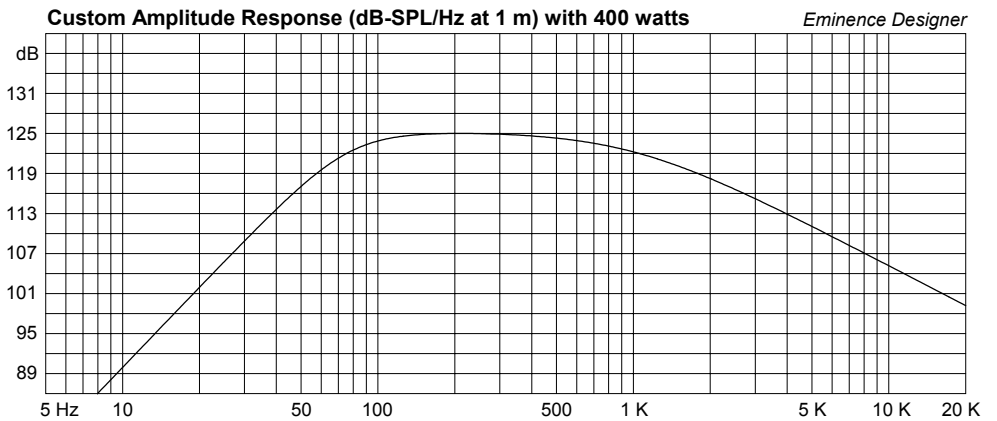
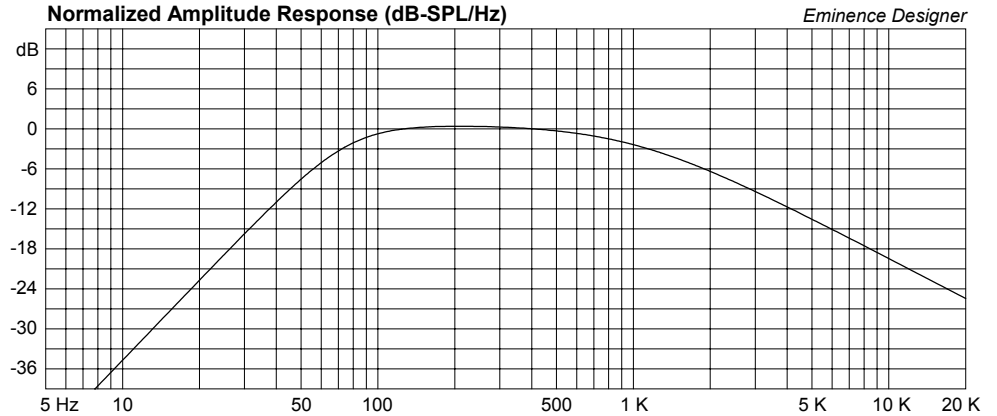
Qes = 0.47

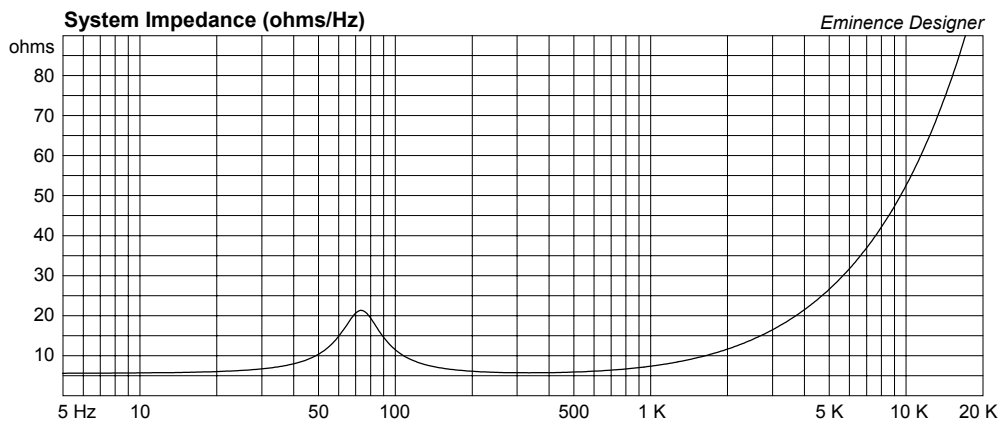
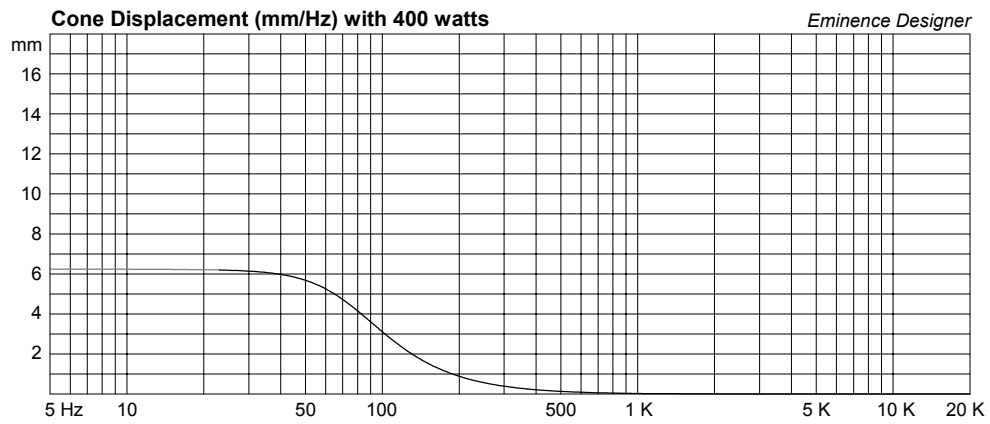
Re = 5.59 ohms [5.59]

Le = 0.83 mH [0.83]

Z = 8 ohms [8]

Pe = 200 watts [800]





# Legend BP102 Medium Vented 4x10 Bass Guitar Cabinet

By McJerry, Eminence Speaker LLC

Displacement Limited to 600 Watts; F3 of 49 Hz. Use a high pass filter set to 35 Hz.

## Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 5 cu.ft

V(total) = 5.507 cu.ft

Fb = 47 Hz

QL = 7

F3 = 49.28 Hz

Fill = minimal

--Vents--

No. of Vents = 4

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 7.1 in

## Driver Properties

--Description--

Name: Legend BP102

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised NOV 2005

Piston: Paper cone.

Suspension: Cloth surround.

Dust Cap: Zurette dust cap.

Frame: Stamped steel basket.

Voice Coil: 2 inch copper voice coil.

Magnet: 38 oz magnet.

--Configuration--

**No. of Drivers = 4**

Mounting = Standard

Wiring = Series-Parallel

Drivers sum coherently = Yes

--Driver Parameters--

Fs = 35.27 Hz

Qms = 5.36

Vas = 91.23 liters [364.9]

Xmax = 6.2 mm

Sd = 334.5 sq.cm [1338]

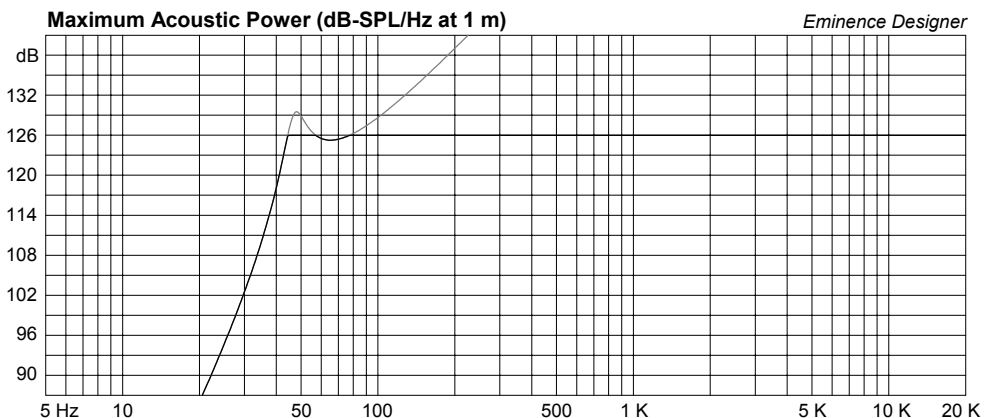
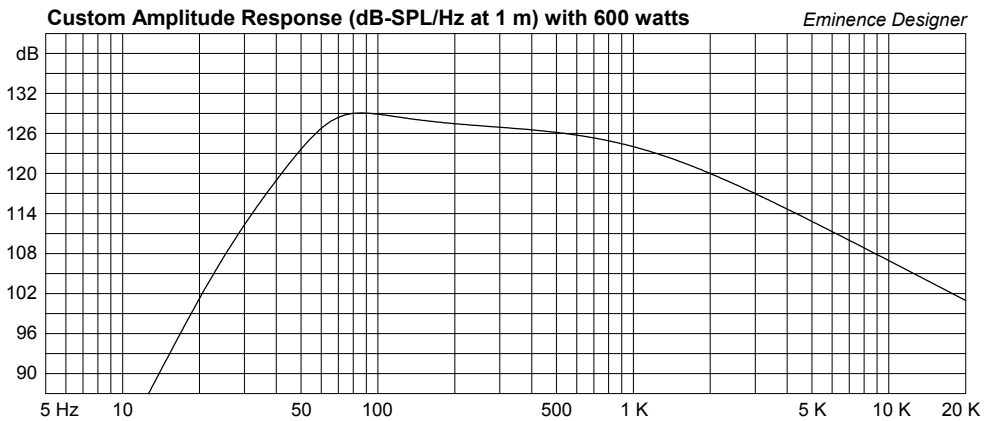
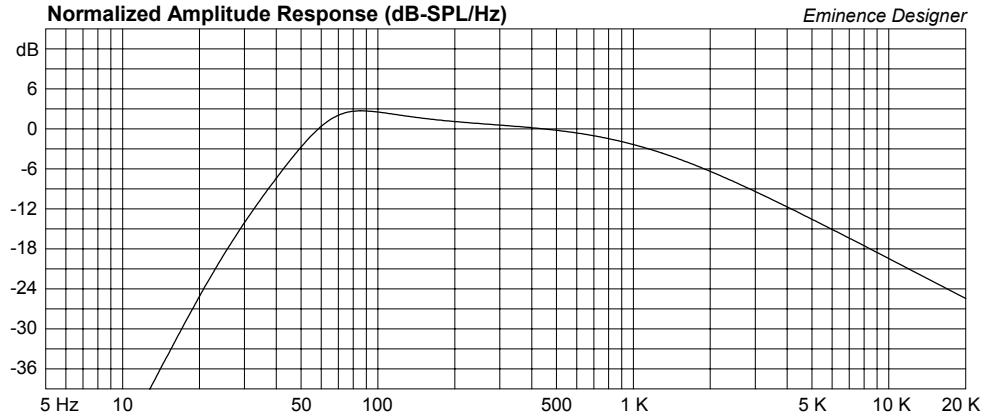
Qes = 0.47

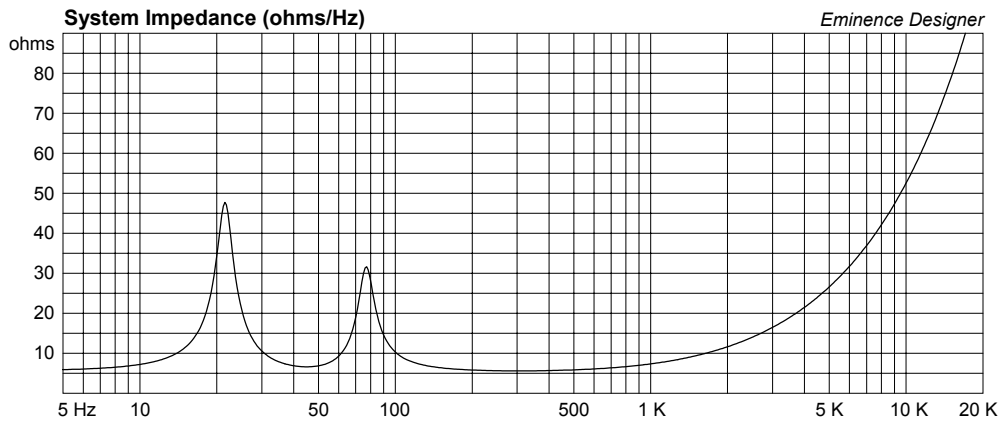
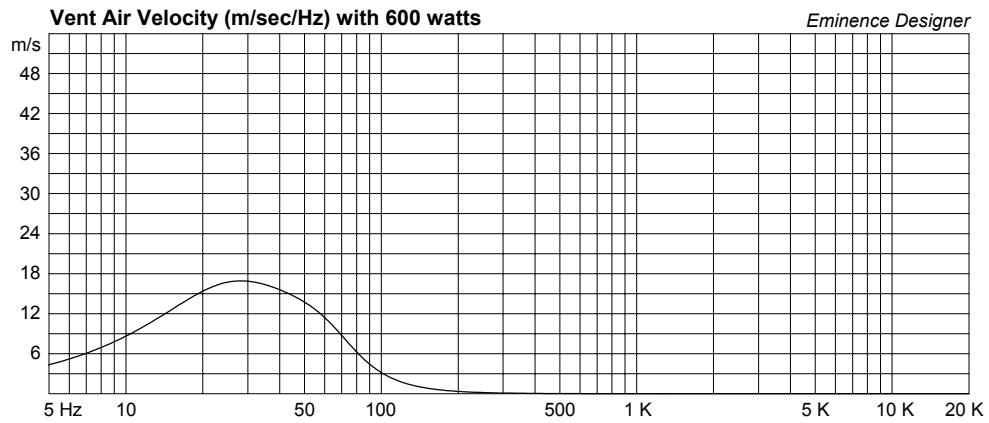
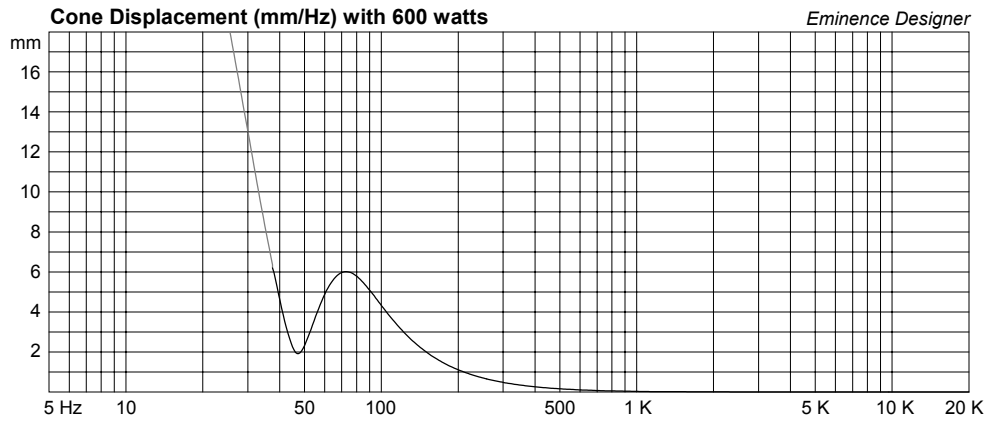
Re = 5.59 ohms [5.59]

Le = 0.83 mH [0.83]

Z = 8 ohms [8]

Pe = 200 watts [800]





# Legend BP102 Small Sealed Box, 1x10

By McJerry, Eminence Speaker LLC  
Thermally Limited to 200 Watts; F3 of 78 Hz.

## Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 0.44 cu.ft

V(total) = 0.508 cu.ft

Qtc = 0.891

QL = 20

F3 = 78.18 Hz

Fill = heavy

## Driver Properties

--Description--

Name: Legend BP102

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised NOV 2005

Piston: Paper cone.

Suspension: Cloth surround.

Dust Cap: Zurette dust cap.

Frame: Stamped steel basket.

Voice Coil: 2 inch copper voice coil.

Magnet: 38 oz magnet.

--Configuration--

**No. of Drivers = 1**

--Driver Parameters--

Fs = 35.27 Hz

Qms = 5.36

Vas = 91.23 liters

Xmax = 6.2 mm

Sd = 334.5 sq.cm

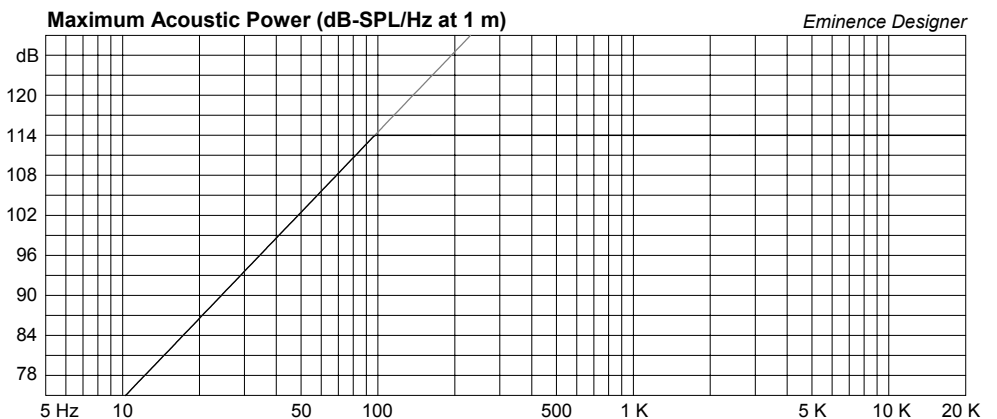
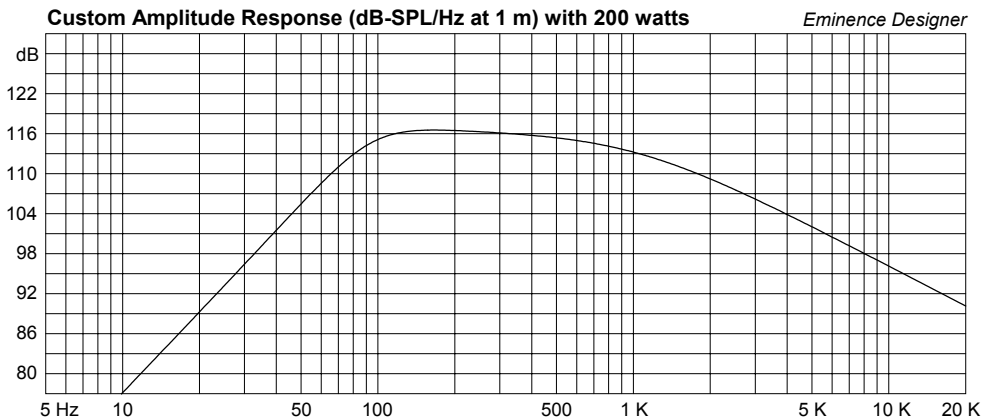
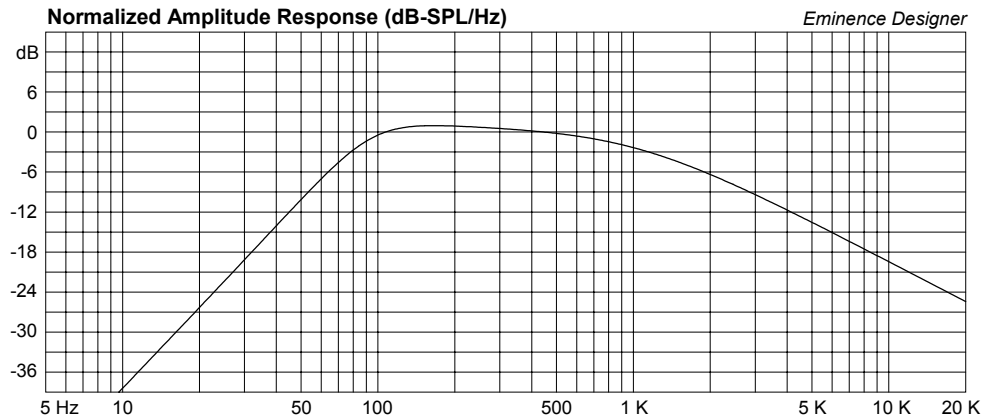
Qes = 0.47

Re = 5.59 ohms

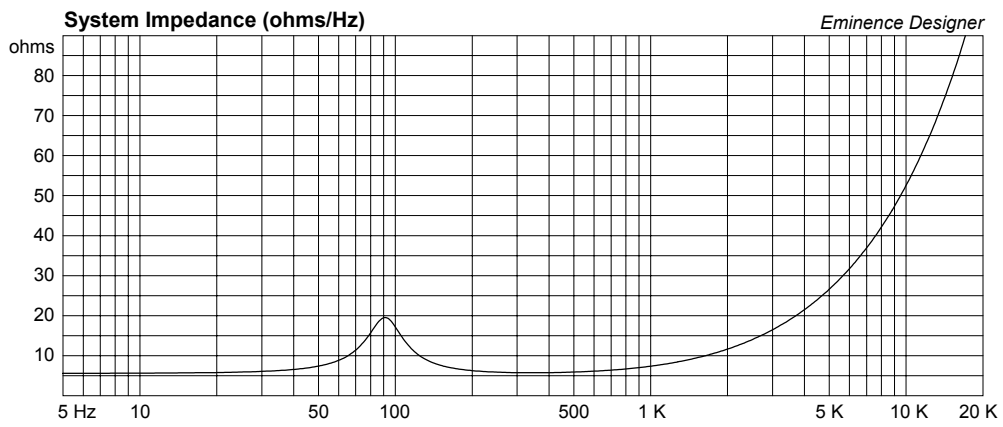
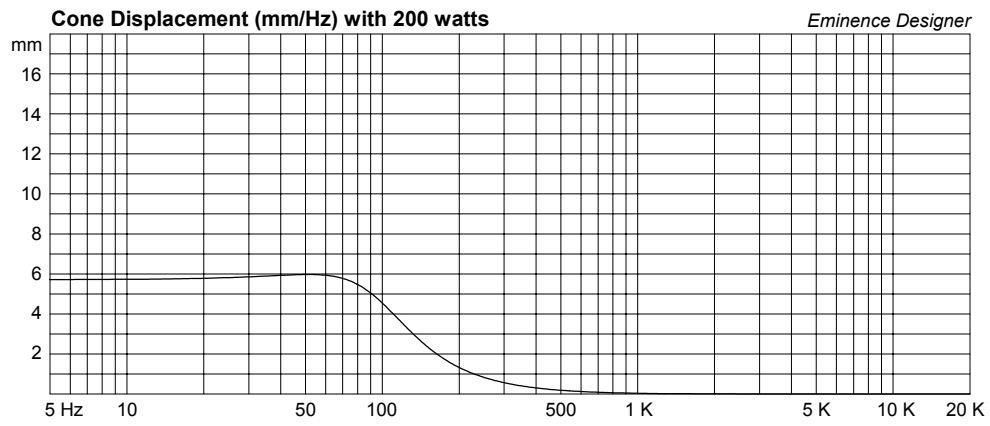
Le = 0.83 mH

Z = 8 ohms

Pe = 200 watts







# Legend BP102 Small Sealed 2x10 Bass Guitar Cabinet

By McJerry, Eminence Speaker LLC

Displacement Limited to 300 Watts; F3 of 74 Hz. Use a high pass filter set to 30 Hz for added protection.

## Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 1.1 cu.ft

V(total) = 1.237 cu.ft

Qtc = 0.827

QL = 20

F3 = 74.72 Hz

Fill = heavy

## Driver Properties

--Description--

Name: Legend BP102

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised NOV 2005

Piston: Paper cone.

Suspension: Cloth surround.

Dust Cap: Zurette dust cap.

Frame: Stamped steel basket.

Voice Coil: 2 inch copper voice coil.

Magnet: 38 oz magnet.

--Configuration--

**No. of Drivers = 2**

Mounting = Standard

Wiring = Parallel

Drivers sum coherently = Yes

--Driver Parameters--

Fs = 35.27 Hz

Qms = 5.36

Vas = 91.23 liters [182.5]

Xmax = 6.2 mm

Sd = 334.5 sq.cm [669]

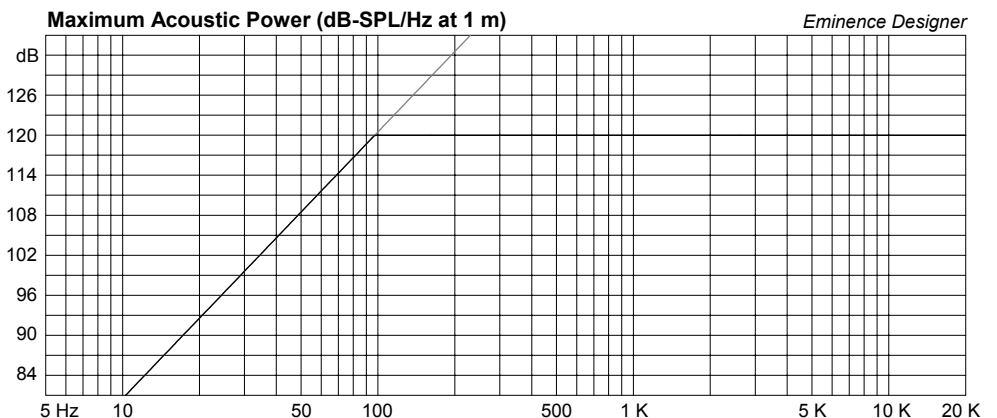
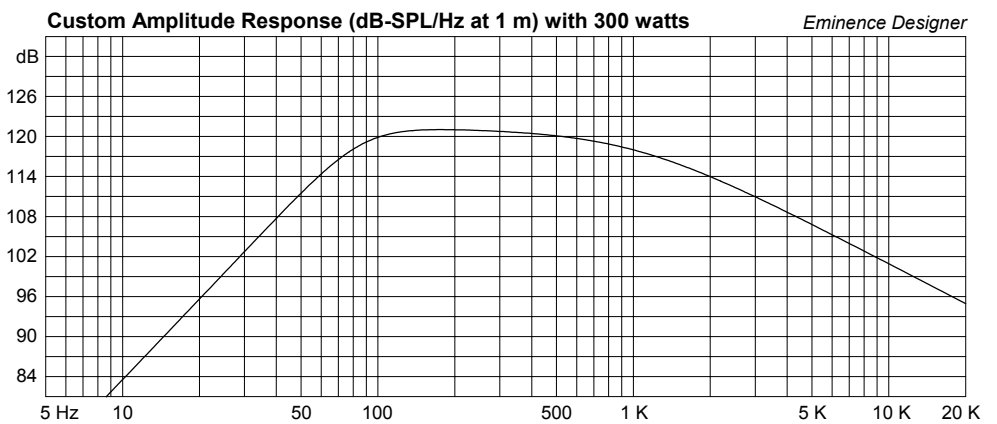
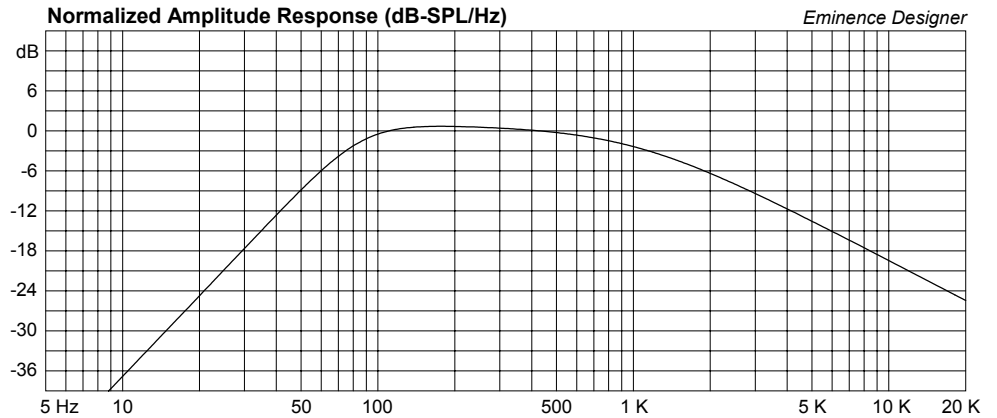
Qes = 0.47

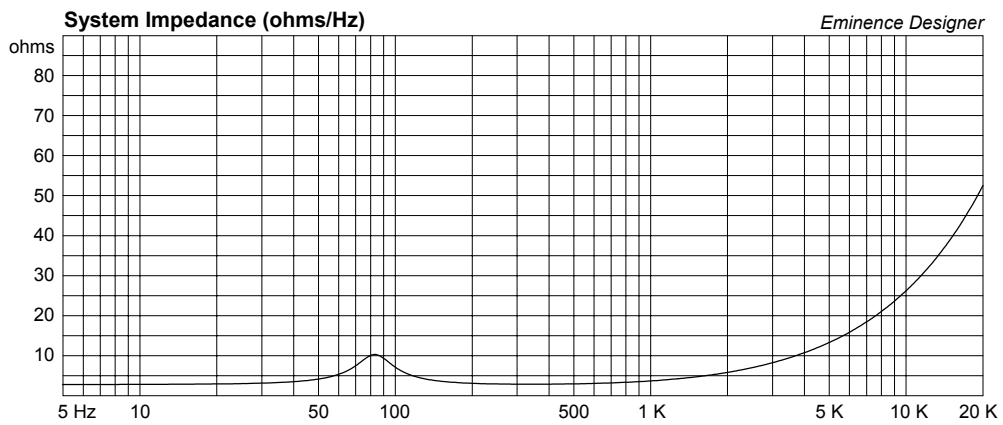
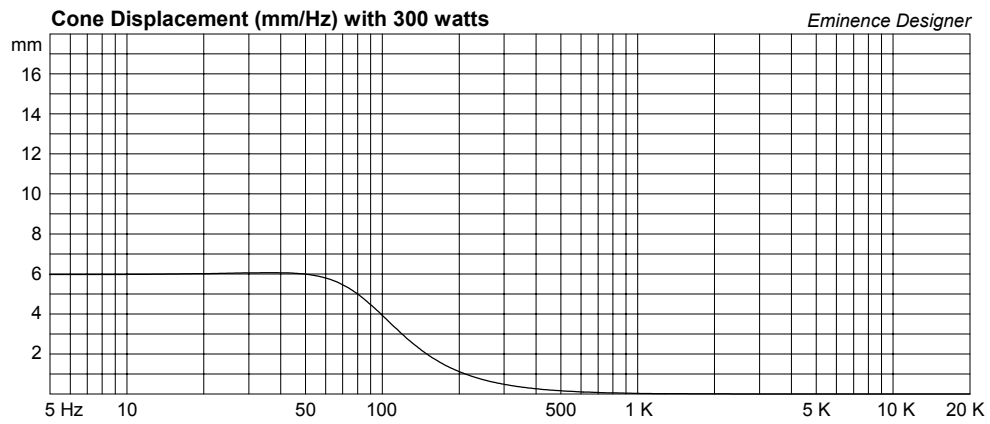
Re = 5.59 ohms [2.795]

Le = 0.83 mH [0.415]

Z = 8 ohms [4]

Pe = 200 watts [400]





# Legend BP102 Small Vented 1x10 Bass Guitar Cabinet

By McJerry, Eminence Speaker LLC

Displacement Limited to 175 Watts; F3 of 57 Hz. Use a high pass filter set to 35 Hz.

## Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 0.866 cu.ft

V(total) = 0.999 cu.ft

Fb = 48 Hz

QL = 7

F3 = 56.76 Hz

Fill = minimal

--Vents--

No. of Vents = 1

Vent shape = round

Vent ends = one flush

Dv = 3.5 in

Lv = 10.01 in

## Driver Properties

--Description--

Name: Legend BP102

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised NOV 2005

Piston: Paper cone.

Suspension: Cloth surround.

Dust Cap: Zurette dust cap.

Frame: Stamped steel basket.

Voice Coil: 2 inch copper voice coil.

Magnet: 38 oz magnet.

--Configuration--

**No. of Drivers = 1**

--Driver Parameters--

Fs = 35.27 Hz

Qms = 5.36

Vas = 91.23 liters

Xmax = 6.2 mm

Sd = 334.5 sq.cm

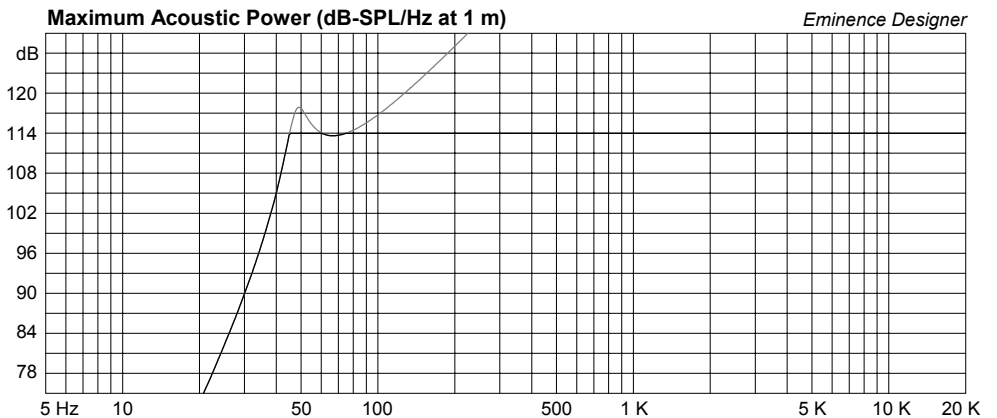
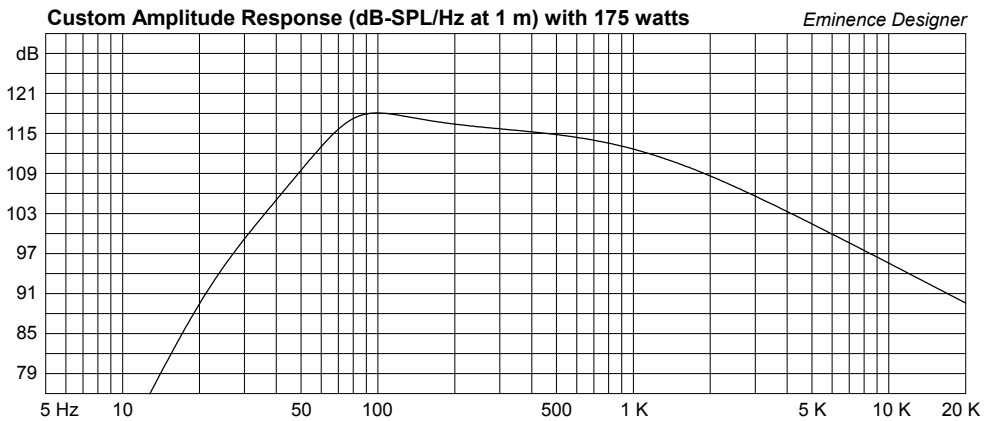
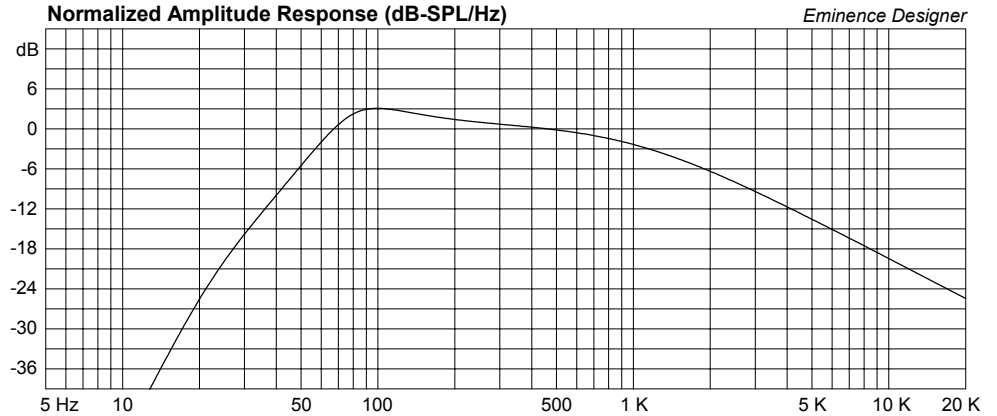
Qes = 0.47

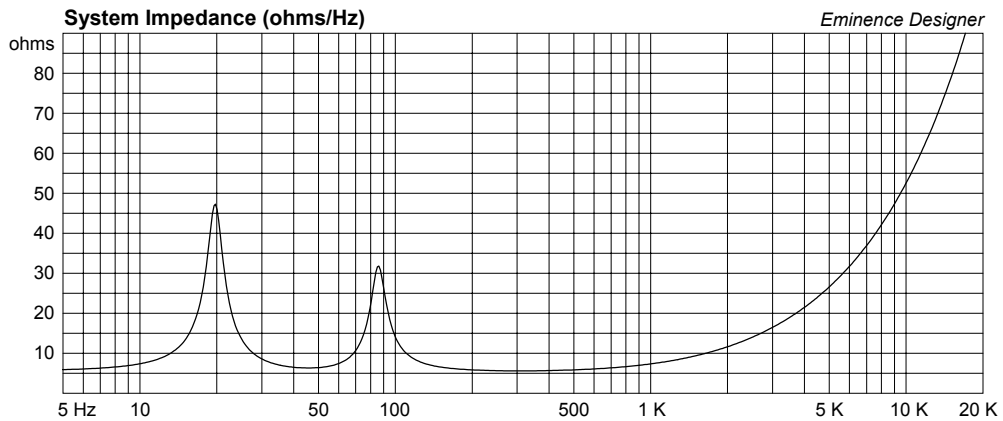
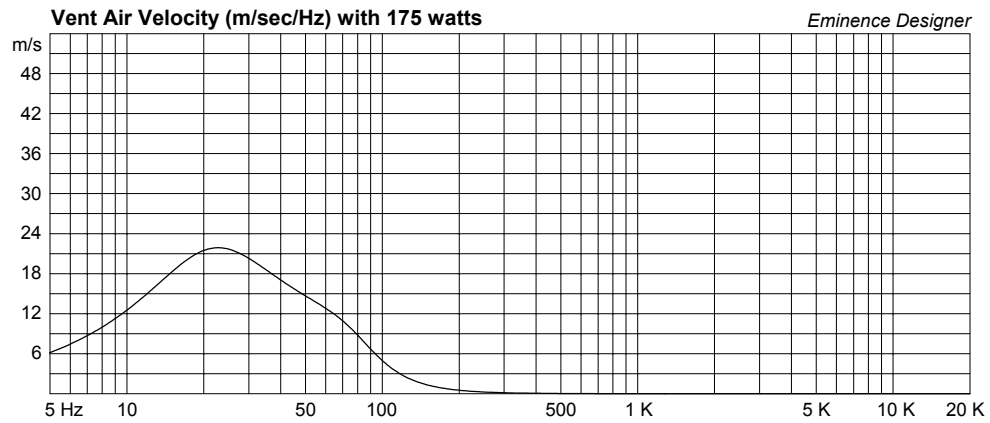
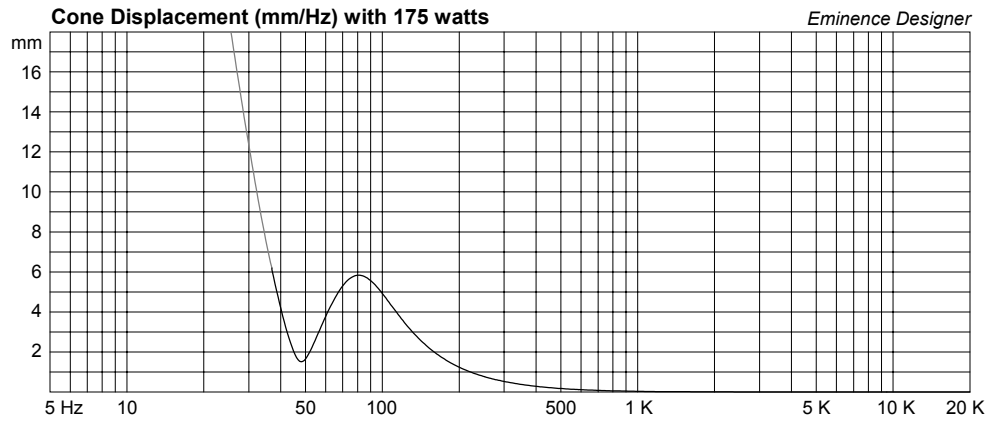
Re = 5.59 ohms

Le = 0.83 mH

Z = 8 ohms

Pe = 200 watts





# Legend BP102 Small Vented 2x10 Bass Guitar Cabinet

By McJerry, Eminence Speaker LLC

Displacement Limited to 350 Watts; F3 of 54 Hz. Use a high pass filter set to 35 Hz.

## Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 1.9 cu.ft

V(total) = 2.259 cu.ft

Fb = 45 Hz

QL = 7

F3 = 54.6 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 13.55 in

## Driver Properties

--Description--

Name: Legend BP102

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised NOV 2005

Piston: Paper cone.

Suspension: Cloth surround.

Dust Cap: Zurette dust cap.

Frame: Stamped steel basket.

Voice Coil: 2 inch copper voice coil.

Magnet: 38 oz magnet.

--Configuration--

**No. of Drivers = 2**

Mounting = Standard

Wiring = Parallel

Drivers sum coherently = Yes

--Driver Parameters--

Fs = 35.27 Hz

Qms = 5.36

Vas = 91.23 liters [182.5]

Xmax = 6.2 mm

Sd = 334.5 sq.cm [669]

Qes = 0.47

Re = 5.59 ohms [2.795]

Le = 0.83 mH [0.415]

Z = 8 ohms [4]

Pe = 200 watts [400]

