

BASS GUITAR

LEGEND BP122

A 12" bass guitar driver that delivers warm, rich tone and deep bass. A big brother to the popular 10" Legend BP102, this 250 watt driver is at home in small sealed enclosures, and also works well in pro audio and home hi-fi applications.

- 500 W Program Power
- 12" Nominal Diameter
- 8 Ω

PRO AUDIO USAGE

- Midrange
- Midbass
- Woofer
- Subwoofer

ENCLOSURE

- Sealed Box
- Vented Box



SPECIFICATION

Nominal Basket Diameter	12", 305 mm
Nominal Impedance*	8 Ω
Power Rating*	
Program Power	500 W
Nominal Power	250 W
Resonance	35 Hz
Usable Frequency Range	35 Hz – 2.3 kHz
Sensitivity*	94.1 dB
Magnet Weight	38 oz.
Gap Height	0.31", 7.9 mm
Voice Coil Diameter	2", 51 mm

THIELE & SMALL PARAMETERS

Fs	35 Hz
Re	5.66 Ω
Le	0.84 mH
Qms	9.26
Qes	0.57
Qts	0.54
Vas	5.56 cu.ft., 157.4liters
Vd	330.1 cc
Cms	0.4 mm/N
BL	10.55 T-M
Mms	50 grams
EBP	62
Xmax	6.2 mm
Sd	532.4 cm ²
Xlim	12.4 mm

MOUNTING INFORMATION

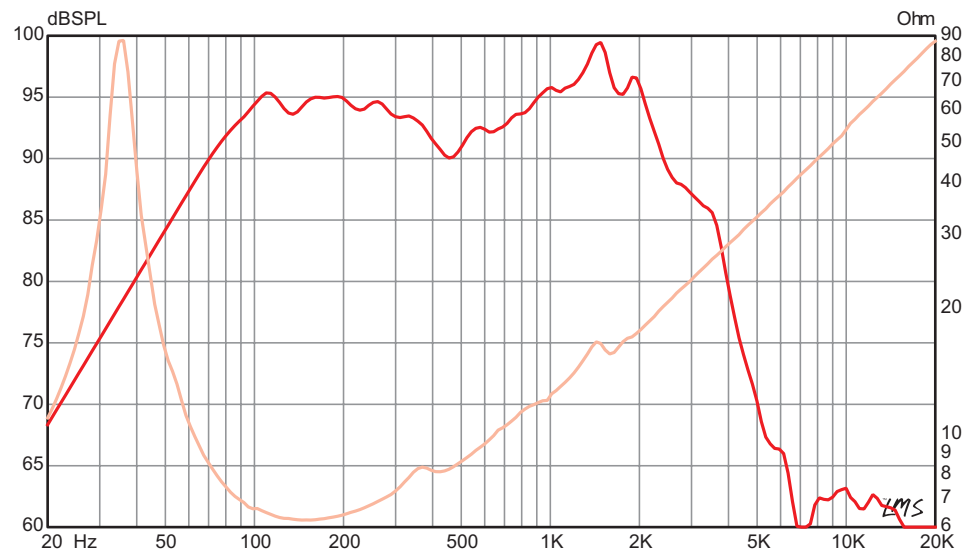
Recommended Enclosure Volume	
Sealed	22.65–106.19 liters, 0.8–3.75 cu.ft.
Vented	56.63–169.9 liters, 2–6 cu.ft.
Driver Volume Displaced	0.071 cu.ft., 2 liters
Overall Diameter	12.26", 311.4 mm
Baffle Hole Diameter	11.08", 281.4 mm
Front Sealing Gasket	Yes
Rear Sealing Gasket	Yes
Mounting Holes Diameter	0.25", 6.4 mm
Mounting Holes B.C.D.	11.71", 297.4 mm
Depth	5.33", 135.3 mm
Net Weight	9 lbs., 4.08 kg
Shipping Weight	11 lbs., 4.99 kg

MATERIALS OF CONSTRUCTION

- Copper voice Coil
- Polyimide former
- Ferrite magnet
- Non-vented core
- Pressed Steel basket
- Paper cone
- Cloth cone edge
- Solid composition felt dust cap



FREQUENCY RESPONSE & IMPEDANCE CURVE*



* See footnotes on page 2 for information regarding usable frequency range, nominal impedance, power rating and sensitivity.

VISIT EMINENCE.COM TO FIND A DEALER NEAR YOU.



FOOTNOTES

IMPEDANCE

Please consult www.eminence.com for specifications of models with alternative impedances.

POWER RATING

Multiple units exceed published ratings evaluated under EIA 426A specification while tested in a free-air, non-temperature-controlled environment. Multiple compression drivers exceeded published ratings evaluated under EIA-426A or AES specification while mounted on Eminence's H290, H290S, or H2EA horn in a non-temperature-controlled environment.

SENSITIVITY

The average output across the usable frequency range when applying 1W/1m into the nominal impedance. i.e: 2.83V/8Ω, 4V/16Ω. 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 | Yamaha P3500S amplifier | 2700 cu. ft. chamber with fiberglass on all six surfaces (three with custom-made wedges). Compression drivers were tested using a 2ft x 2ft baffle built into the wall with horn front mounted.

COAXIALS

BETA 8CX, 10CX, and 12CX are coaxial speakers with tweeter sold separately. Published usable frequency response contingent upon use of ASD:1001 HF Driver.

Prices, product cosmetics and specifications are subject to change without notice.

EMINENCE SPEAKER LLC

838 Mulberry Pike, Eminence, KY 40019



Follow us:

EMINENCE.COM



[You Tube](#)



Legend BP122 Large Sealed Bass Guitar or PA

By Jerry McNutt, Eminence Speaker LLC

50 Watts, F3 at 53 Hz

Run full range for Bass Guitar or High pass at 45 for PA use.



Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 3.5 cu.ft

V(total) = 3.608 cu.ft

Qtc = 0.753

QL = 20

F3 = 52.99 Hz

Fill = normal

Driver Properties

--Description--

Name: Legend BP122

Type: Standard one-way driver

Company: Eminence Speaker LLC USA

Comment: 12" Bass Guitar/Pro Woofer

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 35.37 Hz

Qms = 9.26

Vas = 157.4 liters

Cms = 0.4 mm/N

Mms = 50.37 g

Rms = 1.21 kg/s

Xmax = 6.2 mm

Xmech = 12.4 mm

P-Dia = 258.9 mm

Sd = 532.4 sq.cm

P-Vd = 0.326 liters

--Electrical Parameters--

Qes = 0.57

Re = 5.66 ohms

Le = 0.84 mH

Z = 8 ohms

BL = 10.55 Tm

Pe = 250 watts

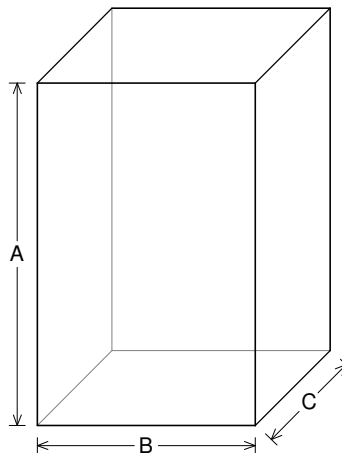
--Electromech. Parameters--

Qts = 0.54

no = 1.178 %

1-W SPL = 92.86 dB

2.83-V SPL = 94.36 dB



--External Dimensions--

A = 31.28 in

B = 19.91 in

C = 12.87 in

--Internal Dimensions--

A = 29.78 in

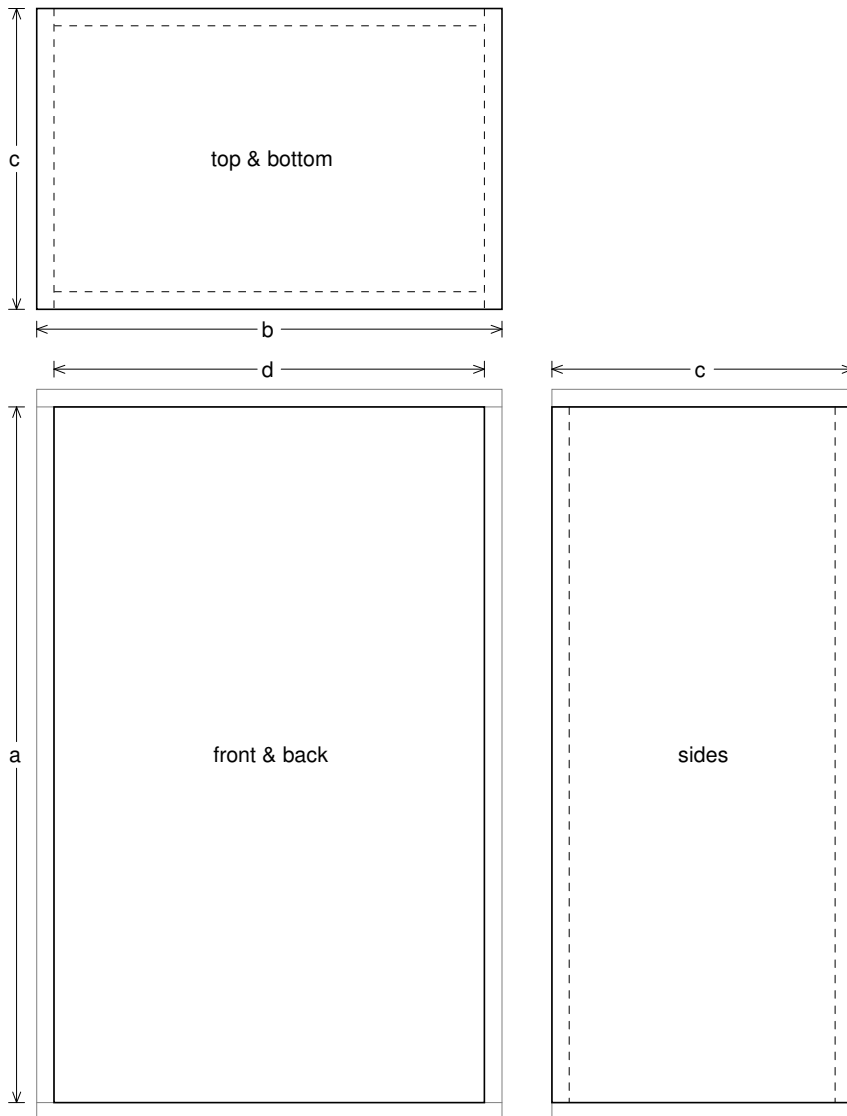
B = 18.41 in

C = 11.37 in

--Wall Thickness--

Front = 0.75 in

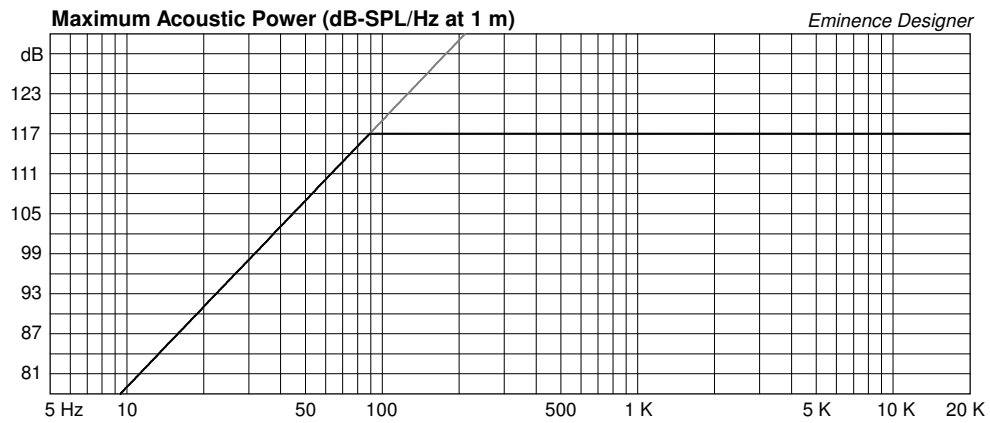
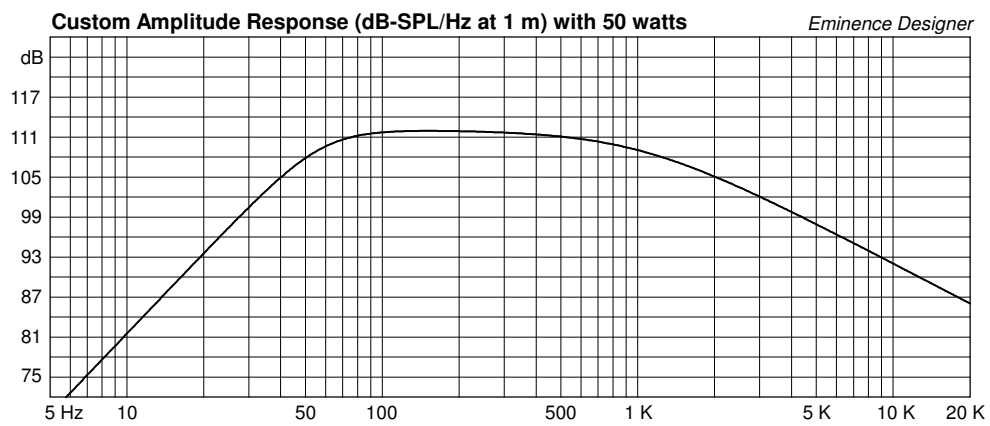
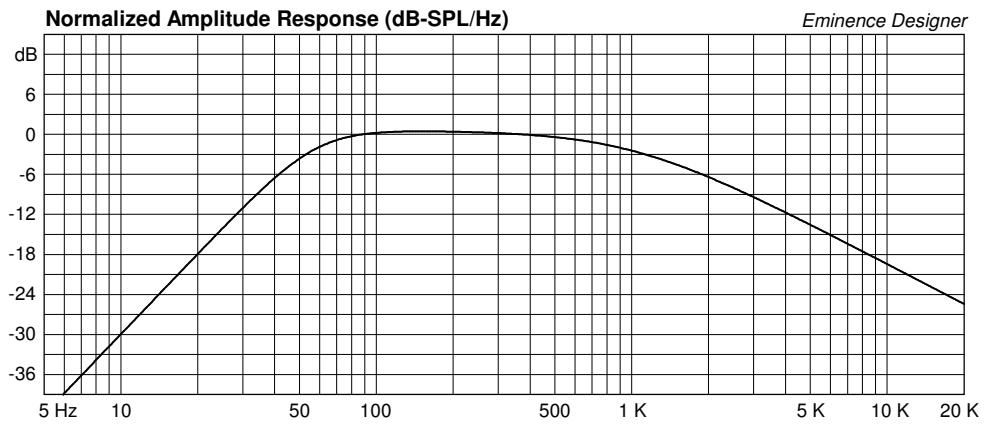
Side = 0.75 in

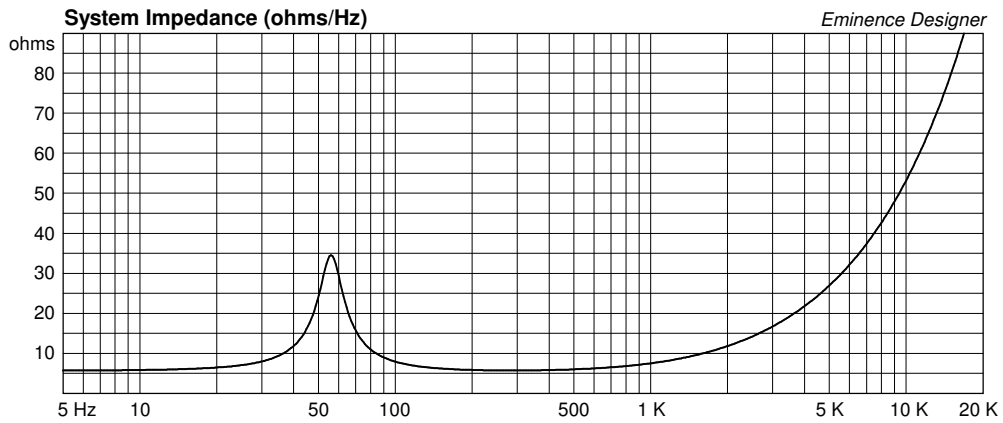
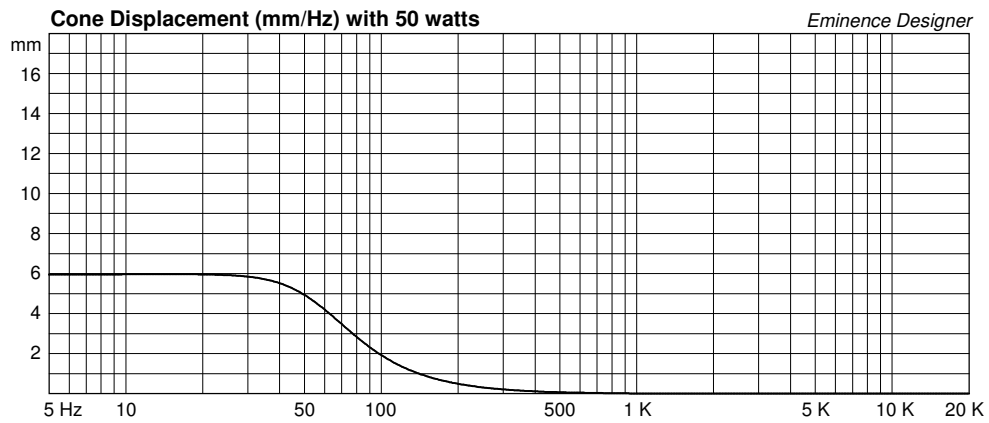
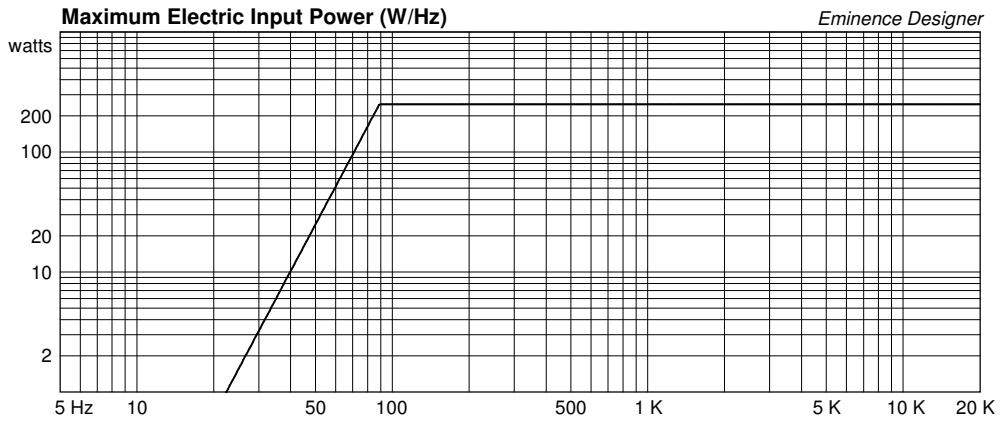


Box Parts

Box Shape: Optimum Square Prism
1 Top, 1 Bottom: depth (c) = 12.87 in
width (b) = 19.91, thickness = 0.75 in
1 Front, 1 Back: height (a) = 29.78 in
width (d) = 18.41, thickness = 0.75 in
2 Sides: height (a) = 29.78 in
depth (c) = 12.87, thickness = 0.75 in

--Driver Mounting--
Mounting: Flush





Legend BP122 Large Vented Bass Guitar or PA

By Jerry McNutt, Eminence Speaker LLC

100 Watts, F3 at 36 Hz

Run full range for Bass Guitar or High pass at 30 Hz for PA, DJ, or ProSound.



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 5 cu.ft

V(total) = 5.18 cu.ft

Fb = 37 Hz

QL = 7

F3 = 36.32 Hz

Fill = normal

--Vents--

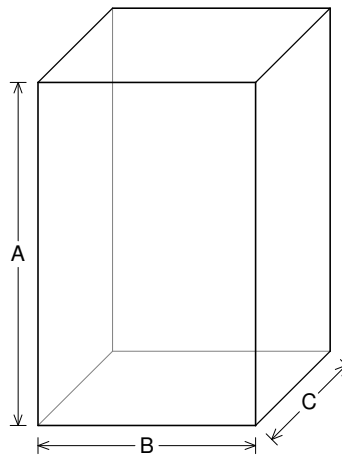
No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 5.154 in



--External Dimensions--

A = 35.1 in

B = 22.26 in

C = 14.33 in

--Internal Dimensions--

A = 33.6 in

B = 20.76 in

C = 12.83 in

--Wall Thickness--

Front = 0.75 in

Side = 0.75 in

Driver Properties

--Description--

Name: Legend BP122

Type: Standard one-way driver

Company: Eminence Speaker LLC USA

Comment: 12" Bass Guitar/Pro Woofer

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 35.37 Hz

Qms = 9.26

Vas = 157.4 liters

Cms = 0.4 mm/N

Mms = 50.37 g

Rms = 1.21 kg/s

Xmax = 6.2 mm

Xmech = 12.4 mm

P-Dia = 258.9 mm

Sd = 532.4 sq.cm

P-Vd = 0.326 liters

--Electrical Parameters--

Qes = 0.57

Re = 5.66 ohms

Le = 0.84 mH

Z = 8 ohms

BL = 10.55 Tm

Pe = 250 watts

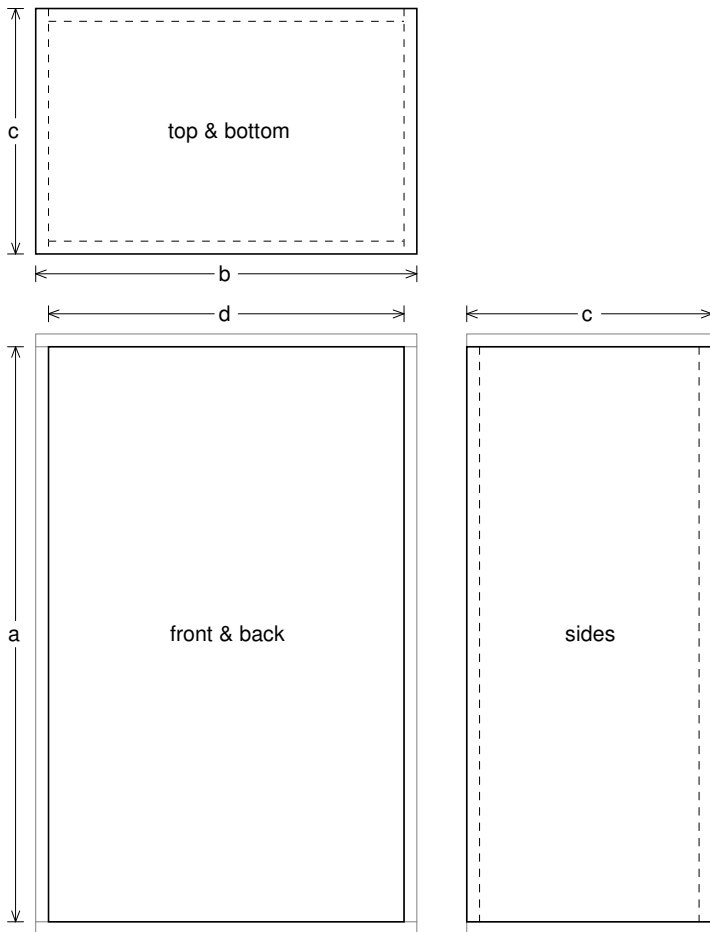
--Electromech. Parameters--

Qts = 0.54

no = 1.178 %

1-W SPL = 92.86 dB

2.83-V SPL = 94.36 dB



Box Parts

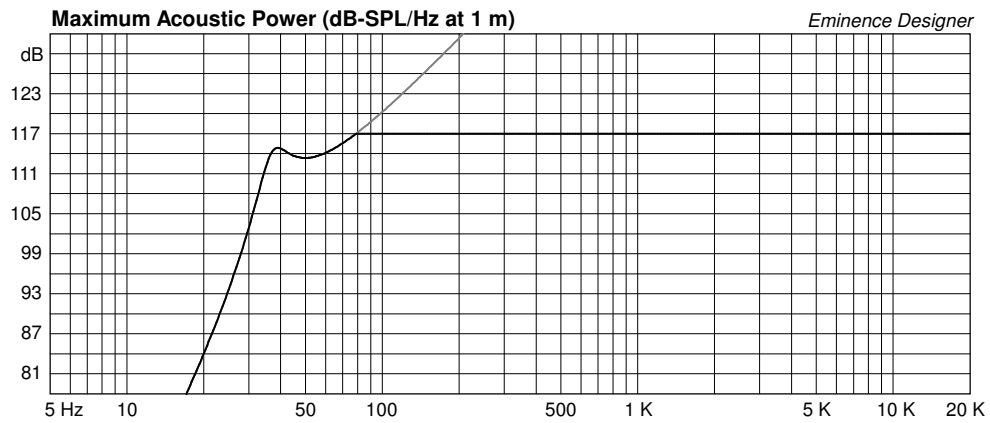
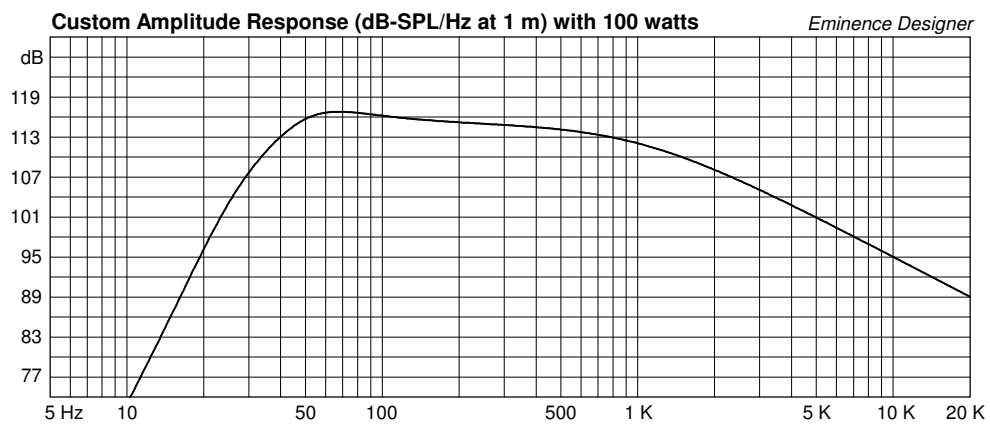
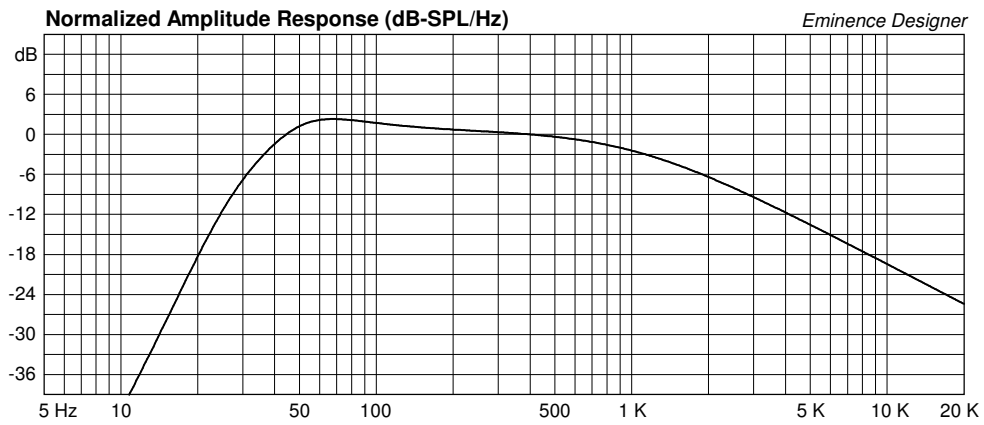
Box Shape: Optimum Square Prism
1 Top, 1 Bottom: depth (c) = 14.33 in
width (b) = 22.26, thickness = 0.75 in
1 Front, 1 Back: height (a) = 33.6 in
width (d) = 20.76, thickness = 0.75 in
2 Sides: height (a) = 33.6 in
depth (c) = 14.33, thickness = 0.75 in

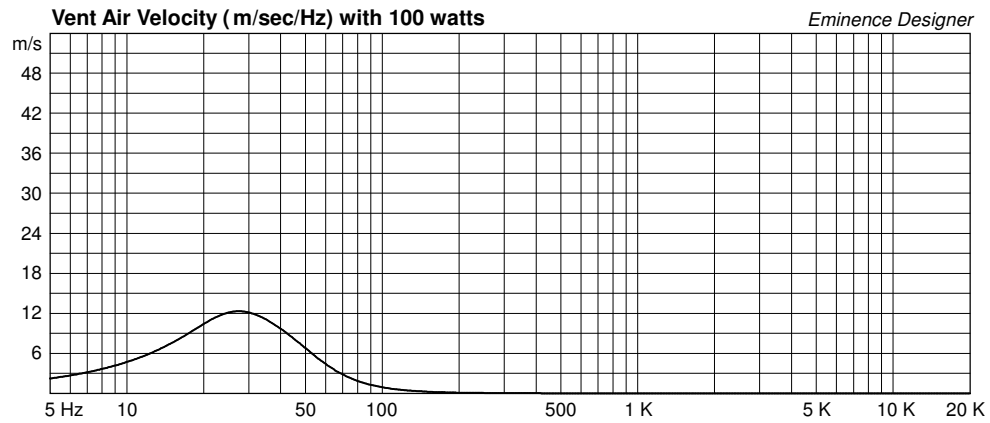
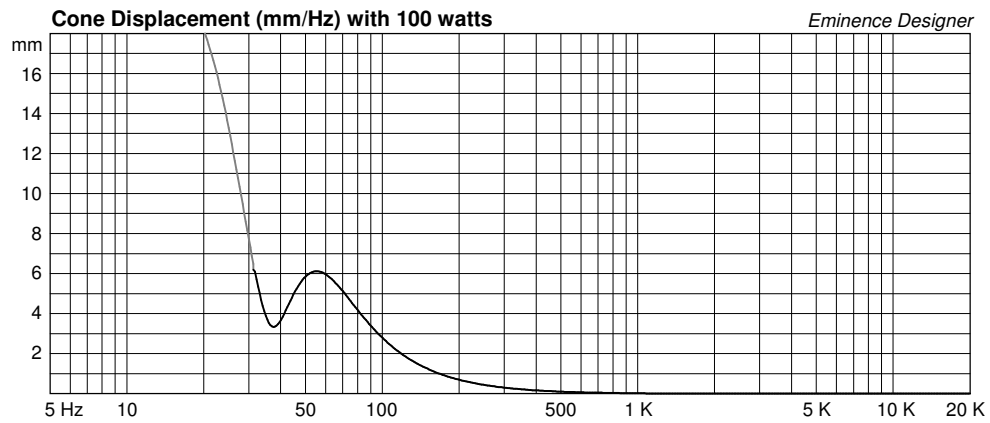
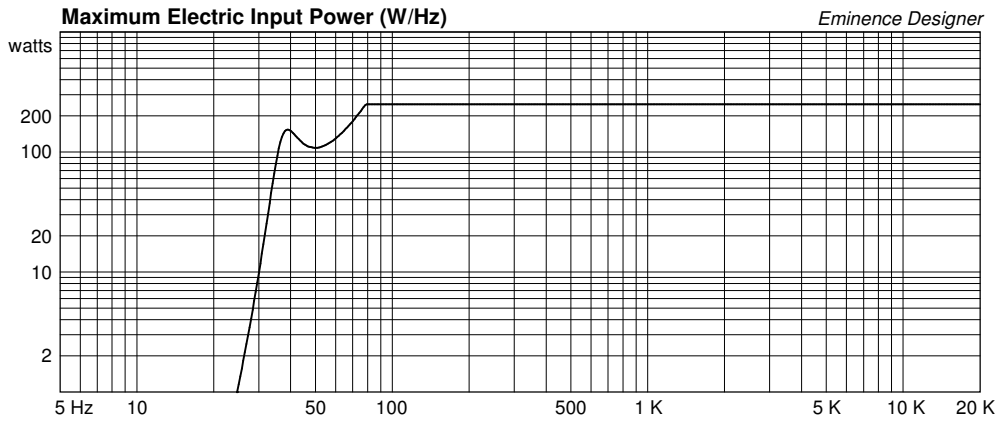
--Vent Parts--

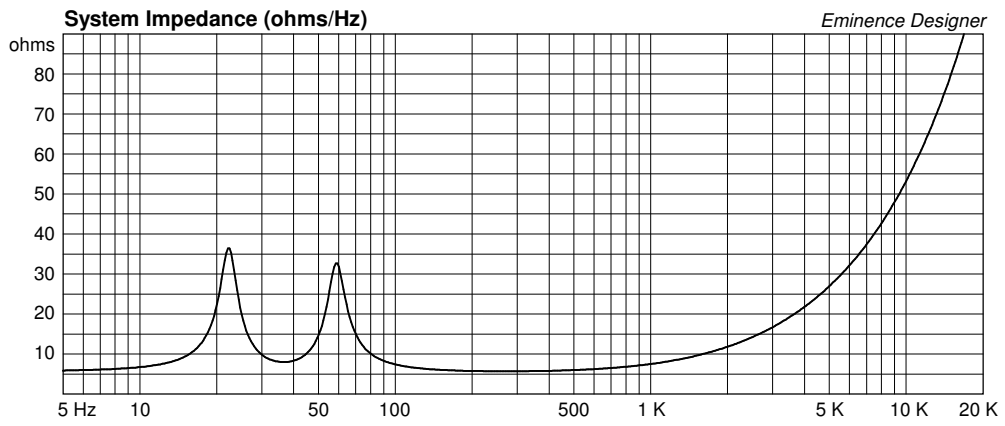
2 Ducts: outside diameter (e) = 4.25 in
inside diameter (g) = 4 in
length (h) = 5.154 in

--Driver Mounting--

Mounting: Flush







Legend BP122 Medium Sealed Bass Guitar or PA

By Jerry McNutt, Eminence Speaker LLC

100 Watts, F3 at 57 Hz

Run full range for Bass Guitar or High pass at 50 for PA use.



Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 2 cu.ft

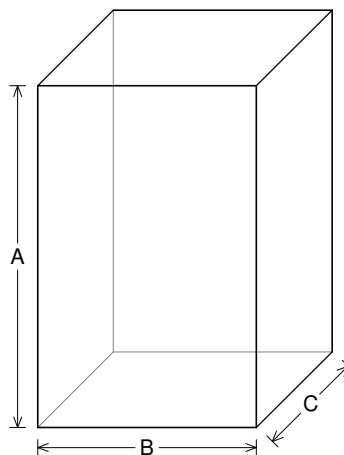
V(total) = 2.108 cu.ft

Qtc = 0.885

QL = 20

F3 = 56.95 Hz

Fill = normal



--External Dimensions--

A = 26.4 in

B = 16.89 in

C = 11.01 in

--Internal Dimensions--

A = 24.9 in

B = 15.39 in

C = 9.509 in

--Wall Thickness--

Front = 0.75 in

Side = 0.75 in

Driver Properties

--Description--

Name: Legend BP122

Type: Standard one-way driver

Company: Eminence Speaker LLC USA

Comment: 12" Bass Guitar/Pro Woofer

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 35.37 Hz

Qms = 9.26

Vas = 157.4 liters

Cms = 0.4 mm/N

Mms = 50.37 g

Rms = 1.21 kg/s

Xmax = 6.2 mm

Xmech = 12.4 mm

P-Dia = 258.9 mm

Sd = 532.4 sq.cm

P-Vd = 0.326 liters

--Electrical Parameters--

Qes = 0.57

Re = 5.66 ohms

Le = 0.84 mH

Z = 8 ohms

BL = 10.55 Tm

Pe = 250 watts

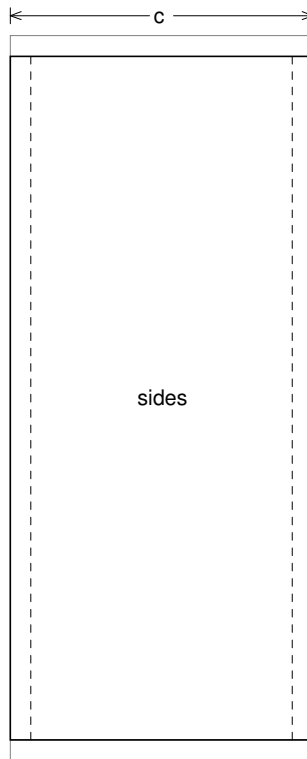
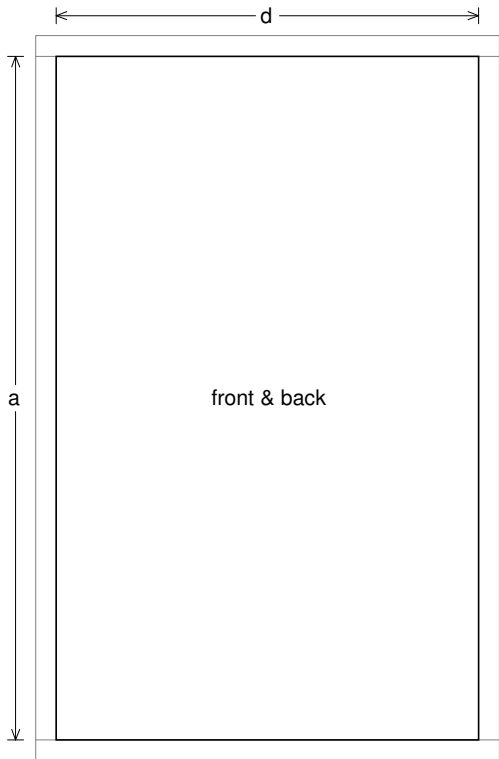
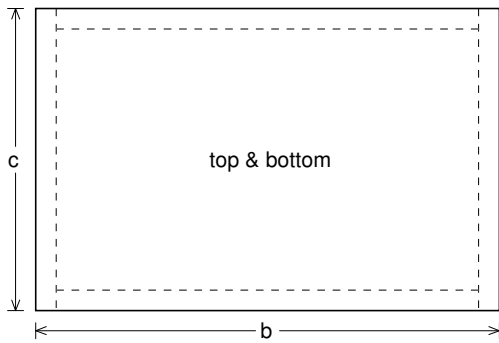
--Electromech. Parameters--

Qts = 0.54

no = 1.178 %

1-W SPL = 92.86 dB

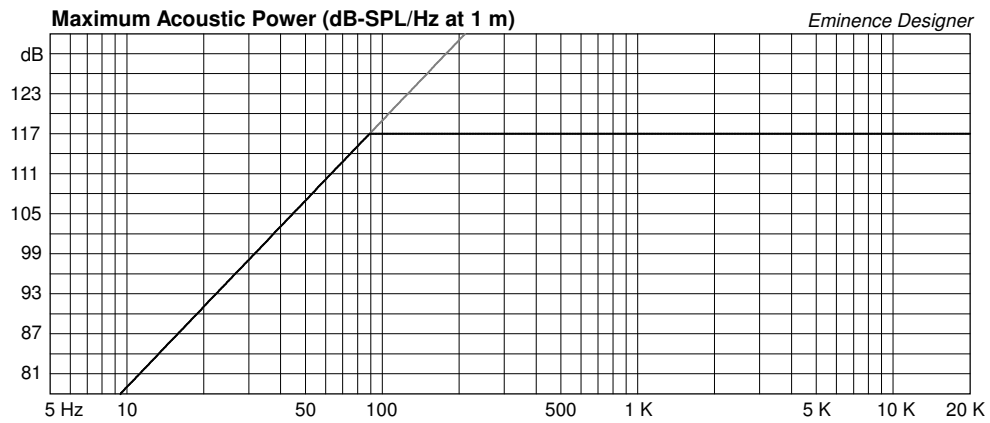
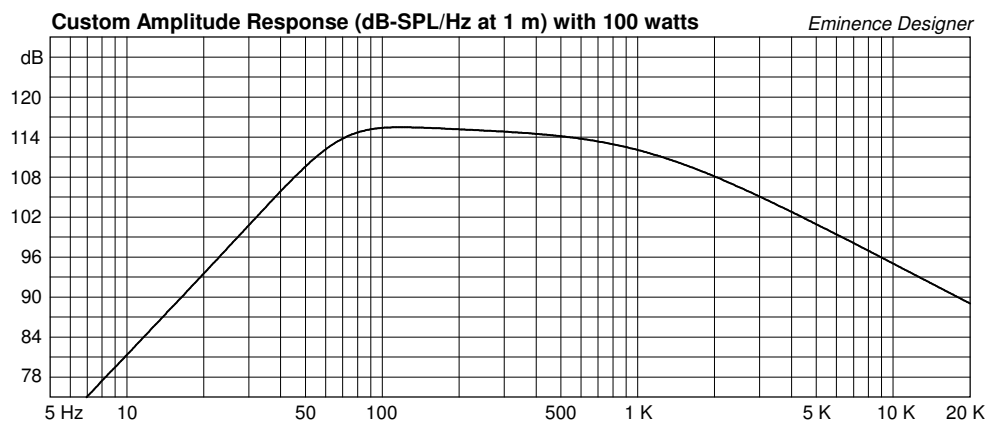
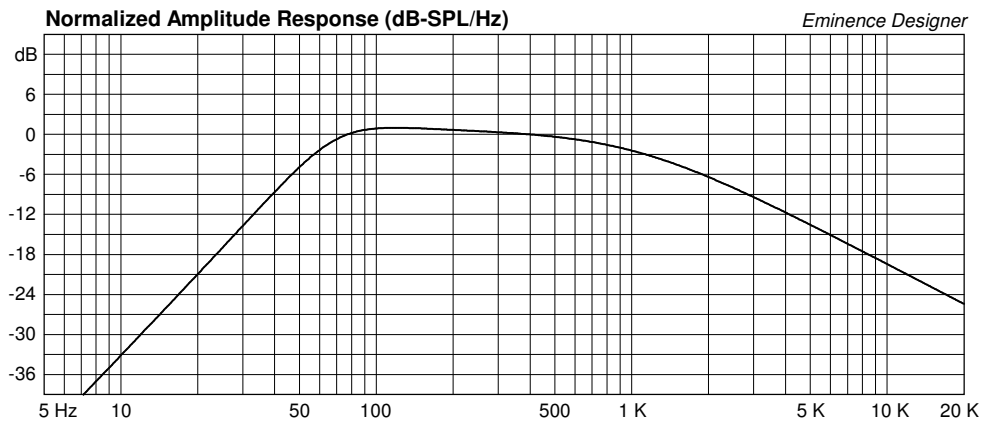
2.83-V SPL = 94.36 dB

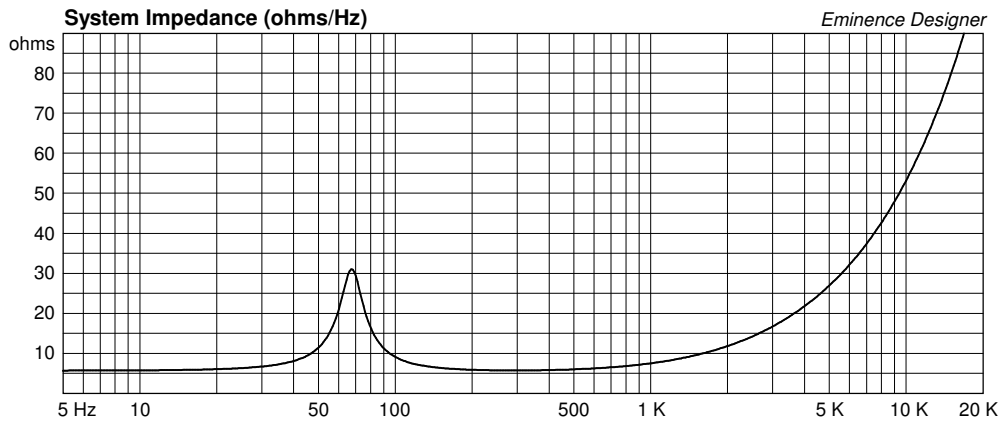
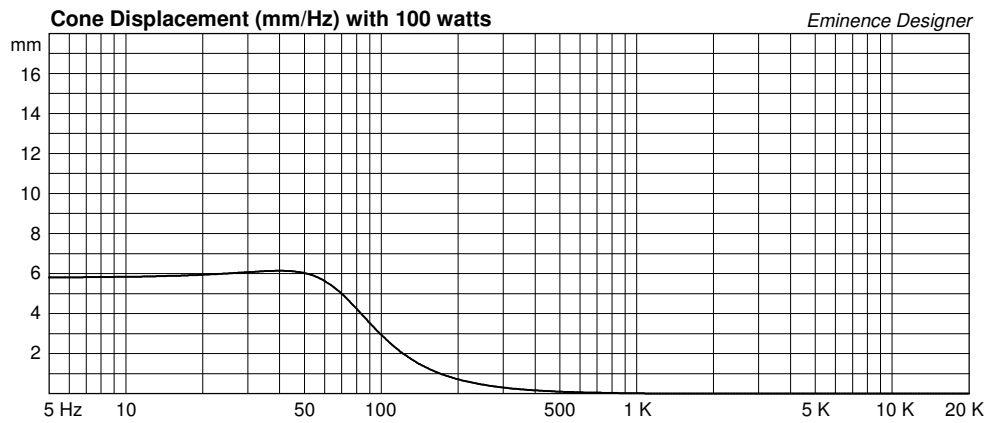
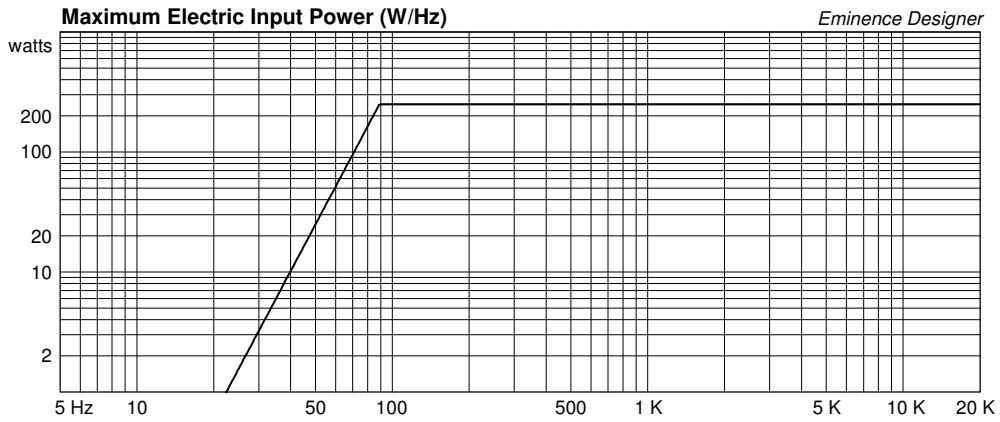


Box Parts

Box Shape: Optimum Square Prism
1 Top, 1 Bottom: depth (c) = 11.01 in
width (b) = 16.89, thickness = 0.75 in
1 Front, 1 Back: height (a) = 24.9 in
width (d) = 15.39, thickness = 0.75 in
2 Sides: height (a) = 24.9 in
depth (c) = 11.01, thickness = 0.75 in

--Driver Mounting--
Mounting: Flush





Legend BP122 Medium Vented Bass Guitar or PA

By Jerry McNutt, Eminence Speaker LLC

125 Watts, F3 at 42 Hz

Run full range for Bass Guitar or High pass at 35 Hz for PA, DJ, or ProSound.



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 3.6 cu.ft

V(total) = 3.798 cu.ft

Fb = 41.4 Hz

QL = 7

F3 = 41.5 Hz

Fill = normal

--Vents--

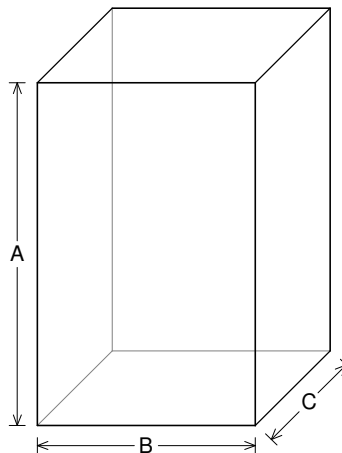
No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 6.238 in



--External Dimensions--

A = 31.79 in

B = 20.22 in

C = 13.07 in

--Internal Dimensions--

A = 30.29 in

B = 18.72 in

C = 11.57 in

--Wall Thickness--

Front = 0.75 in

Side = 0.75 in

Driver Properties

--Description--

Name: Legend BP122

Type: Standard one-way driver

Company: Eminence Speaker LLC USA

Comment: 12" Bass Guitar/Pro Woofer

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 35.37 Hz

Qms = 9.26

Vas = 157.4 liters

Cms = 0.4 mm/N

Mms = 50.37 g

Rms = 1.21 kg/s

Xmax = 6.2 mm

Xmech = 12.4 mm

P-Dia = 258.9 mm

Sd = 532.4 sq.cm

P-Vd = 0.326 liters

--Electrical Parameters--

Qes = 0.57

Re = 5.66 ohms

Le = 0.84 mH

Z = 8 ohms

BL = 10.55 Tm

Pe = 250 watts

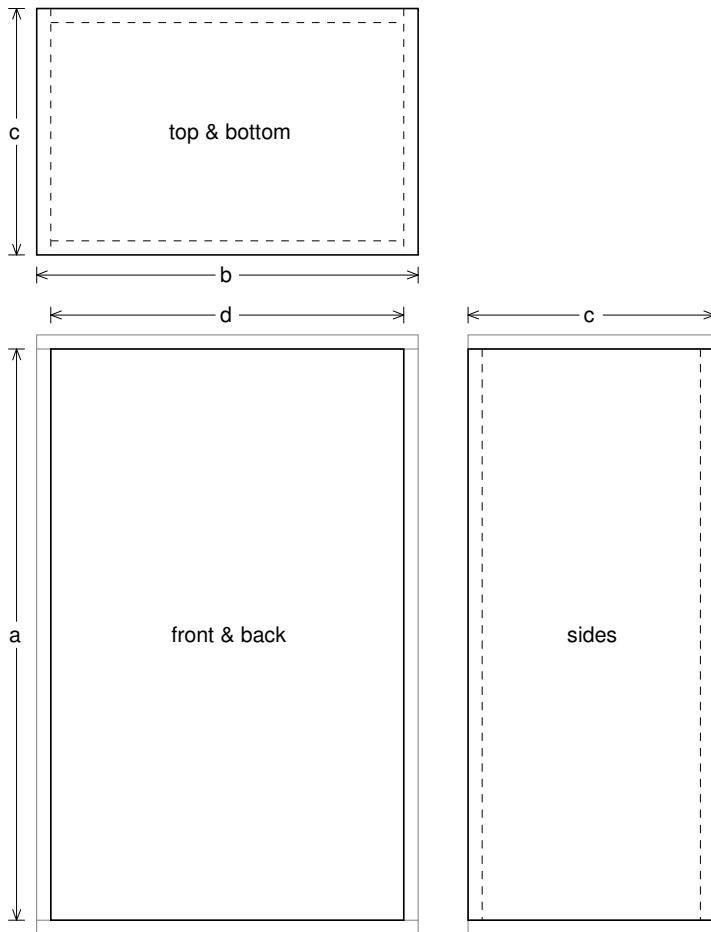
--Electromech. Parameters--

Qts = 0.54

no = 1.178 %

1-W SPL = 92.86 dB

2.83-V SPL = 94.36 dB



Box Parts

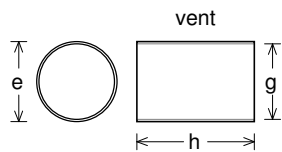
Box Shape: Optimum Square Prism
 1 Top, 1 Bottom: depth (c) = 13.07 in
 width (b) = 20.22, thickness = 0.75 in
 1 Front, 1 Back: height (a) = 30.29 in
 width (d) = 18.72, thickness = 0.75 in
 2 Sides: height (a) = 30.29 in
 depth (c) = 13.07, thickness = 0.75 in

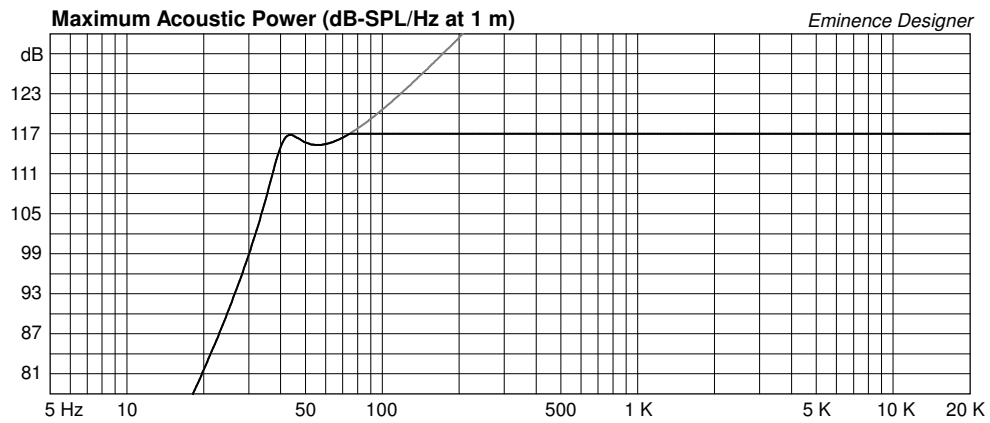
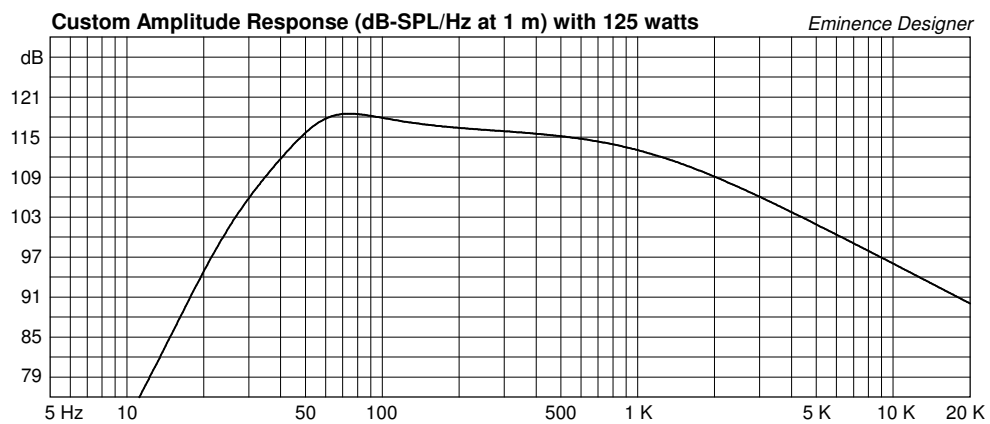
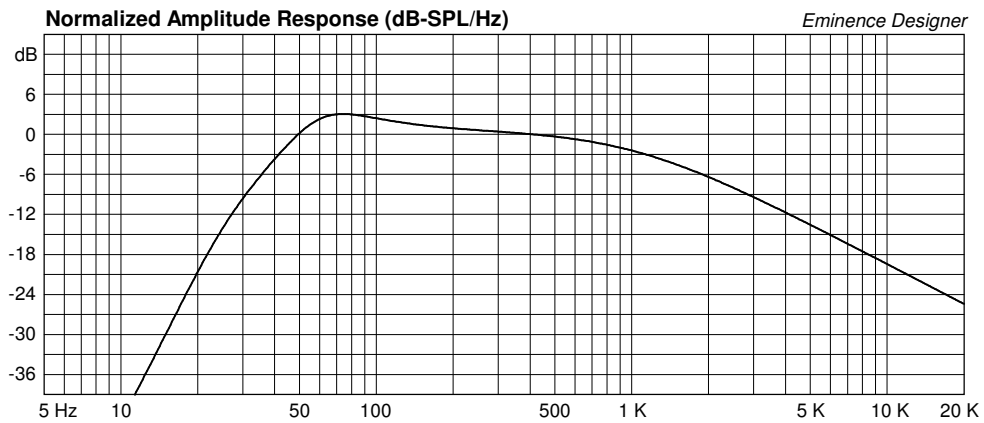
--Vent Parts--

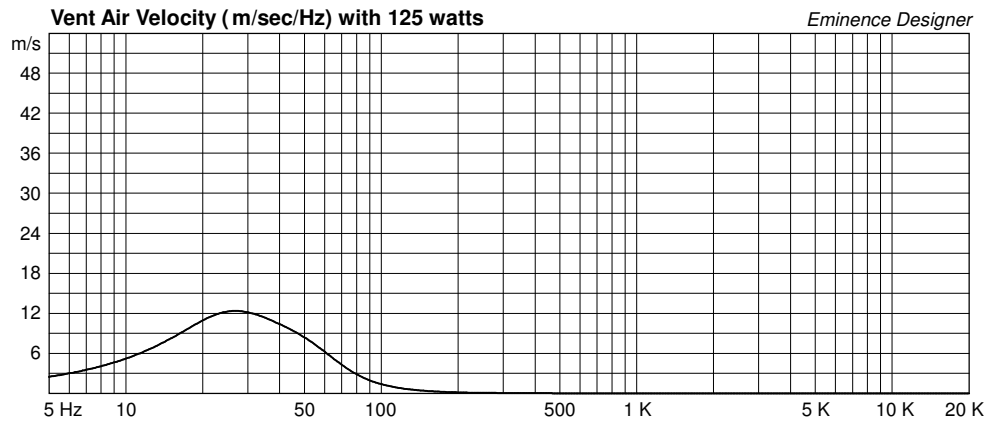
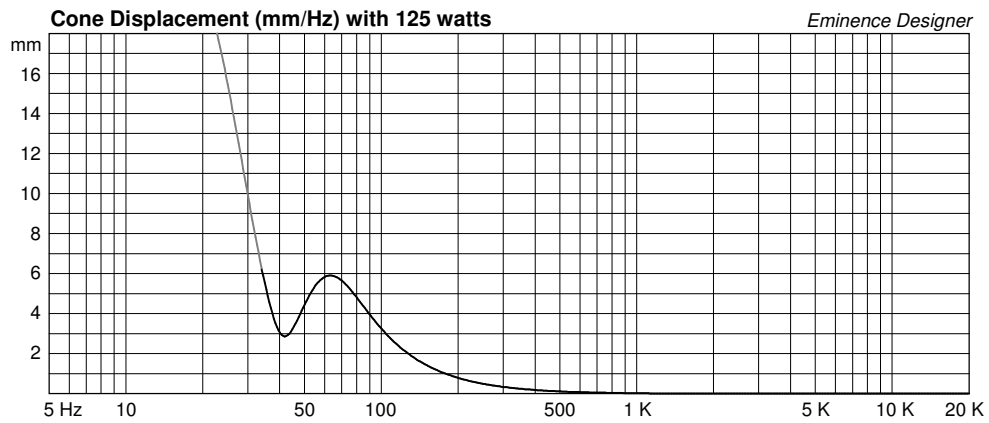
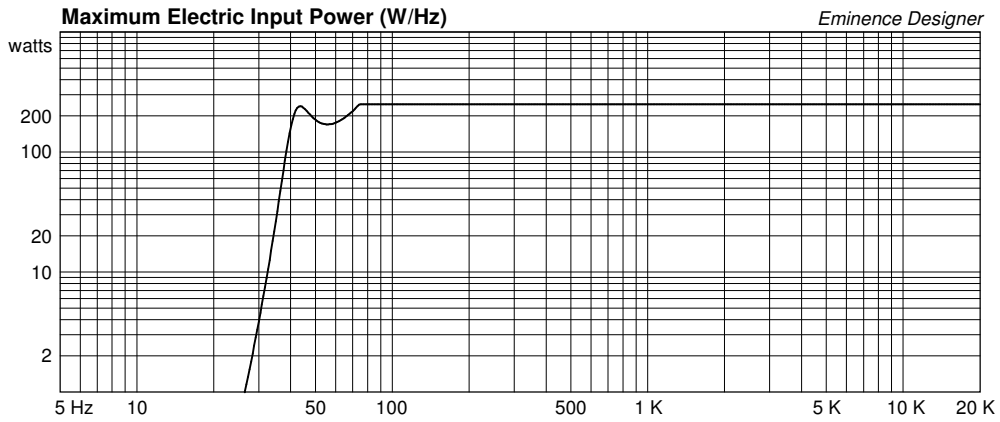
2 Ducts: outside diameter (e) = 4.25 in
 inside diameter (g) = 4 in
 length (h) = 6.238 in

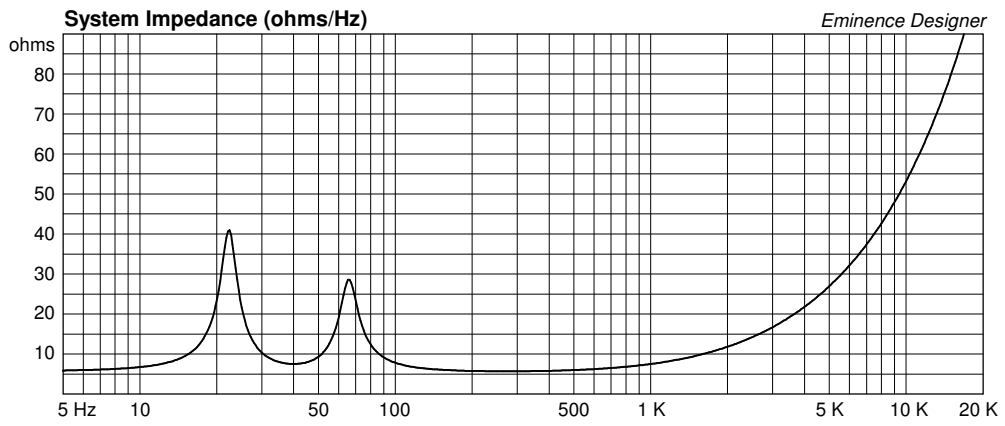
--Driver Mounting--

Mounting: Flush









Legend BP122 Small Sealed Bass Guitar or PA

By Jerry McNutt, Eminence Speaker LLC

250 Watts, F3 at 70 Hz

Run full range for Bass Guitar or High pass at 65 for PA use.



Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 0.875 cu.ft

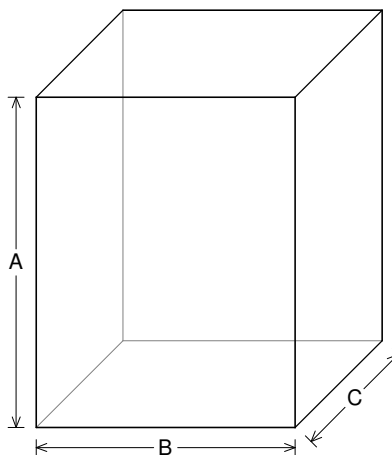
V(total) = 0.983 cu.ft

Qtc = 1.168

QL = 20

F3 = 70.35 Hz

Fill = normal



--External Dimensions--

A = 18.5 in

B = 14.5 in

C = 9.187 in

--Internal Dimensions--

A = 17 in

B = 13 in

C = 7.687 in

--Wall Thickness--

Front = 0.75 in

Side = 0.75 in

Driver Properties

--Description--

Name: Legend BP122

Type: Standard one-way driver

Company: Eminence Speaker LLC USA

Comment: 12" Bass Guitar/Pro Woofer

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 35.37 Hz

Qms = 9.26

Vas = 157.4 liters

Cms = 0.4 mm/N

Mms = 50.37 g

Rms = 1.21 kg/s

Xmax = 6.2 mm

Xmech = 12.4 mm

P-Dia = 258.9 mm

Sd = 532.4 sq.cm

P-Vd = 0.326 liters

--Electrical Parameters--

Qes = 0.57

Re = 5.66 ohms

Le = 0.84 mH

Z = 8 ohms

BL = 10.55 Tm

Pe = 250 watts

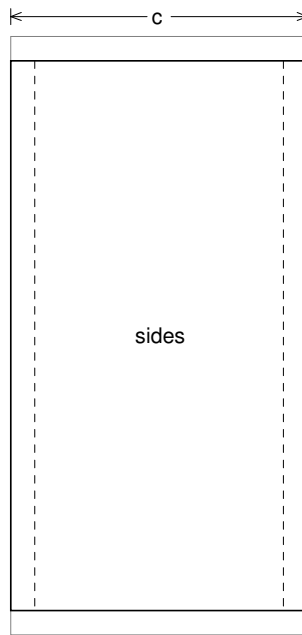
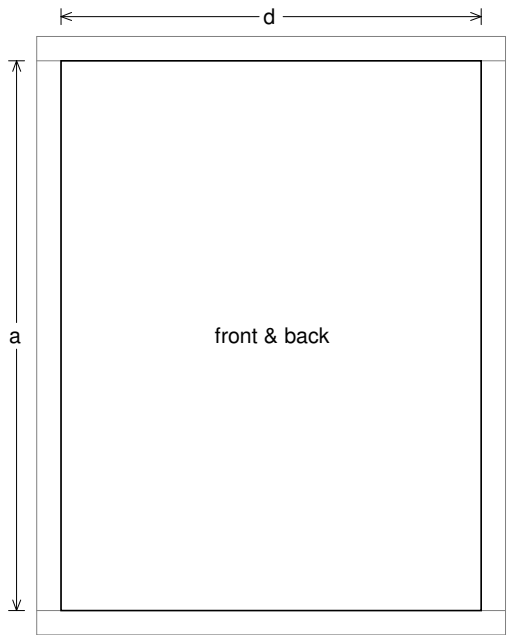
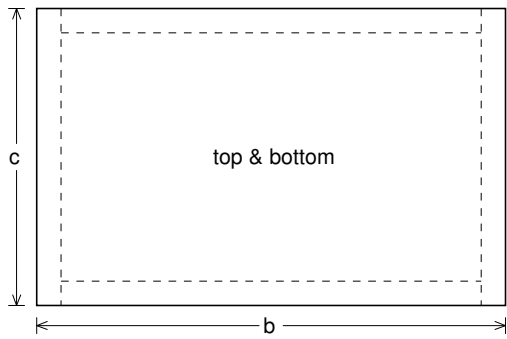
--Electromech. Parameters--

Qts = 0.54

no = 1.178 %

1-W SPL = 92.86 dB

2.83-V SPL = 94.36 dB



Box Parts

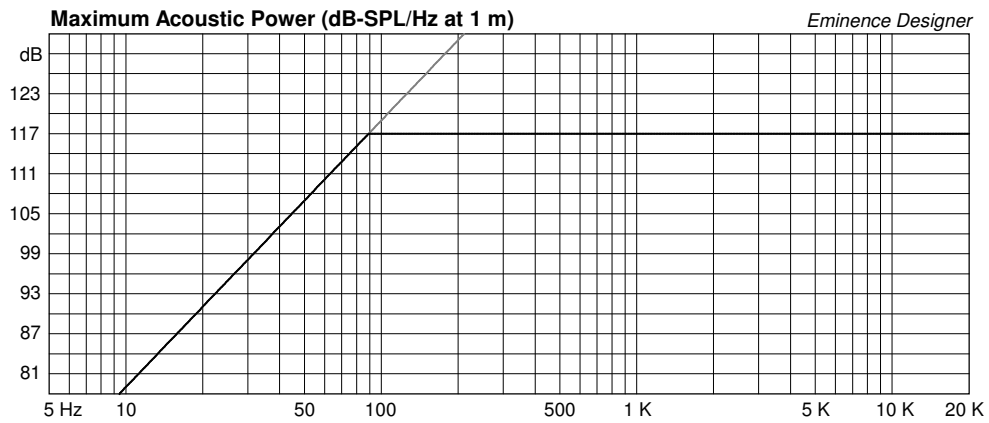
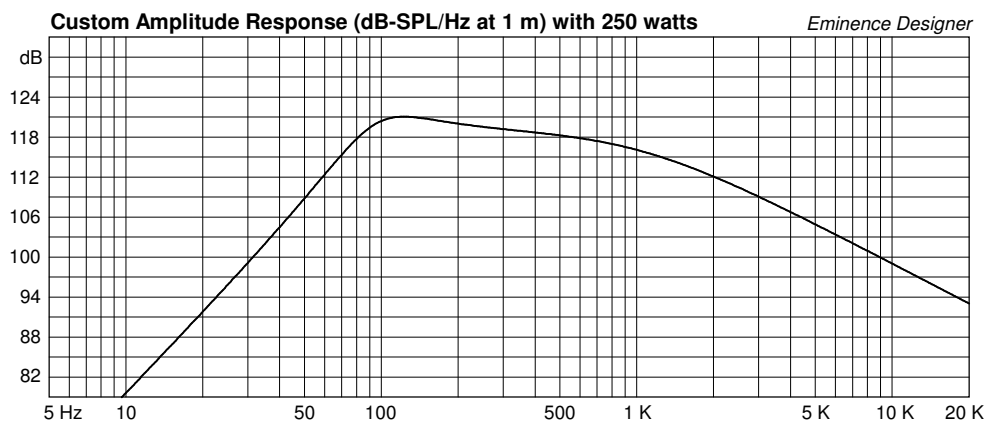
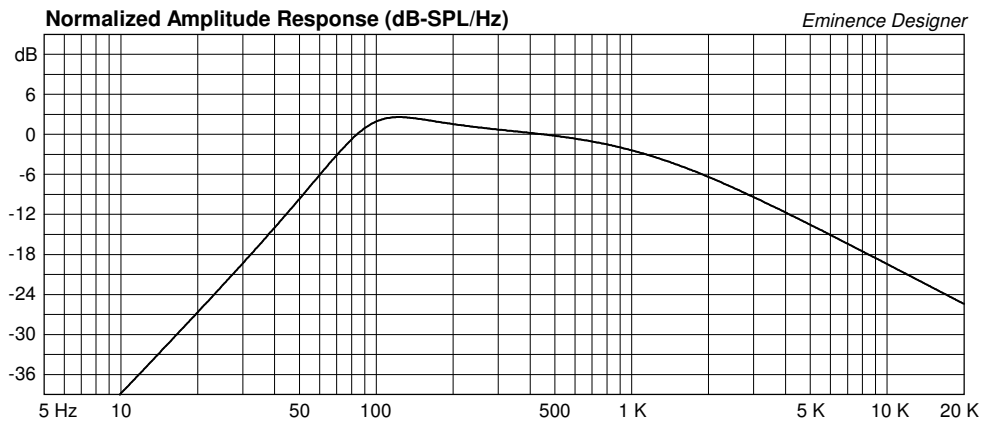
Box Shape: Square Prism

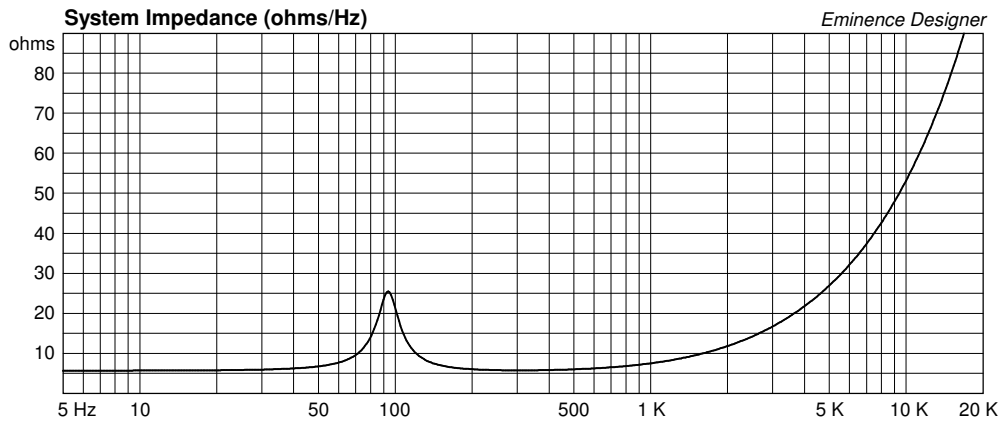
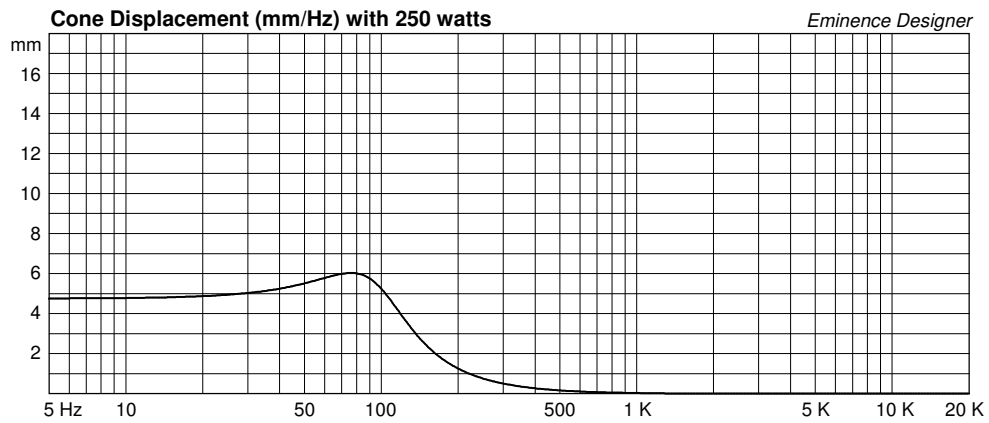
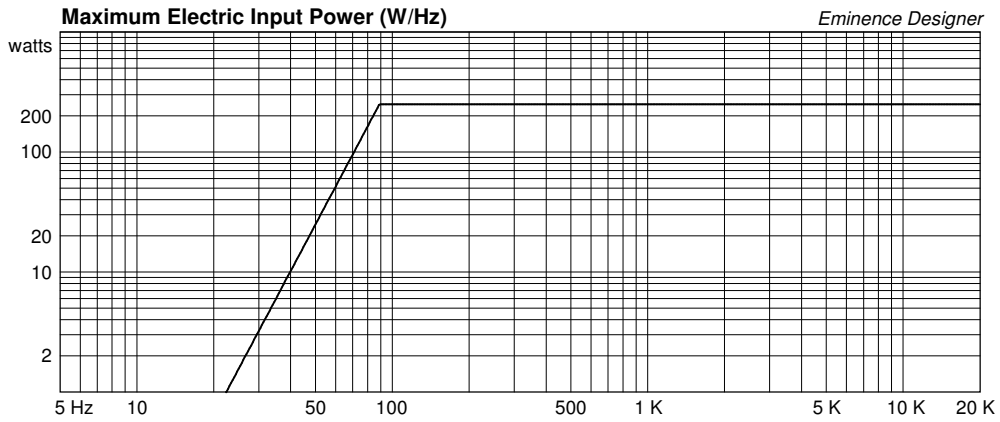
1 Top, 1 Bottom: depth (c) = 9.187 in
width (b) = 14.5, thickness = 0.75 in

1 Front, 1 Back: height (a) = 17 in
width (d) = 13, thickness = 0.75 in

2 Sides: height (a) = 17 in
depth (c) = 9.187, thickness = 0.75 in

--Driver Mounting--
Mounting: Flush





Legend BP122 Small Vented Bass Guitar or PA

By Jerry McNutt, Eminence Speaker LLC

250 Watts, F3 at 52 Hz

Run full range for Bass Guitar or High pass at 45 for PA, DJ, or ProSound.



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 2.55 cu.ft

V(total) = 2.697 cu.ft

Fb = 58 Hz

QL = 7

F3 = 51.59 Hz

Fill = normal

--Vents--

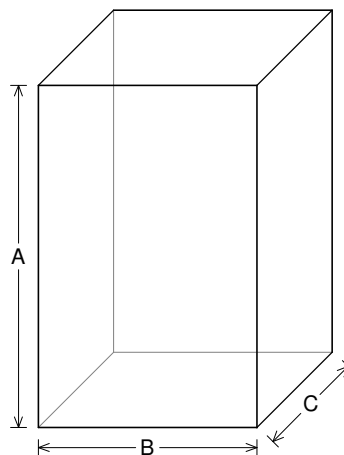
No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 3.151 in



--External Dimensions--

A = 28.53 in

B = 18.2 in

C = 11.82 in

--Internal Dimensions--

A = 27.03 in

B = 16.7 in

C = 10.32 in

--Wall Thickness--

Front = 0.75 in

Side = 0.75 in

Driver Properties

--Description--

Name: Legend BP122

Type: Standard one-way driver

Company: Eminence Speaker LLC USA

Comment: 12" Bass Guitar/Pro Woofer

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 35.37 Hz

Qms = 9.26

Vas = 157.4 liters

Cms = 0.4 mm/N

Mms = 50.37 g

Rms = 1.21 kg/s

Xmax = 6.2 mm

Xmech = 12.4 mm

P-Dia = 258.9 mm

Sd = 532.4 sq.cm

P-Vd = 0.326 liters

--Electrical Parameters--

Qes = 0.57

Re = 5.66 ohms

Le = 0.84 mH

Z = 8 ohms

BL = 10.55 Tm

Pe = 250 watts

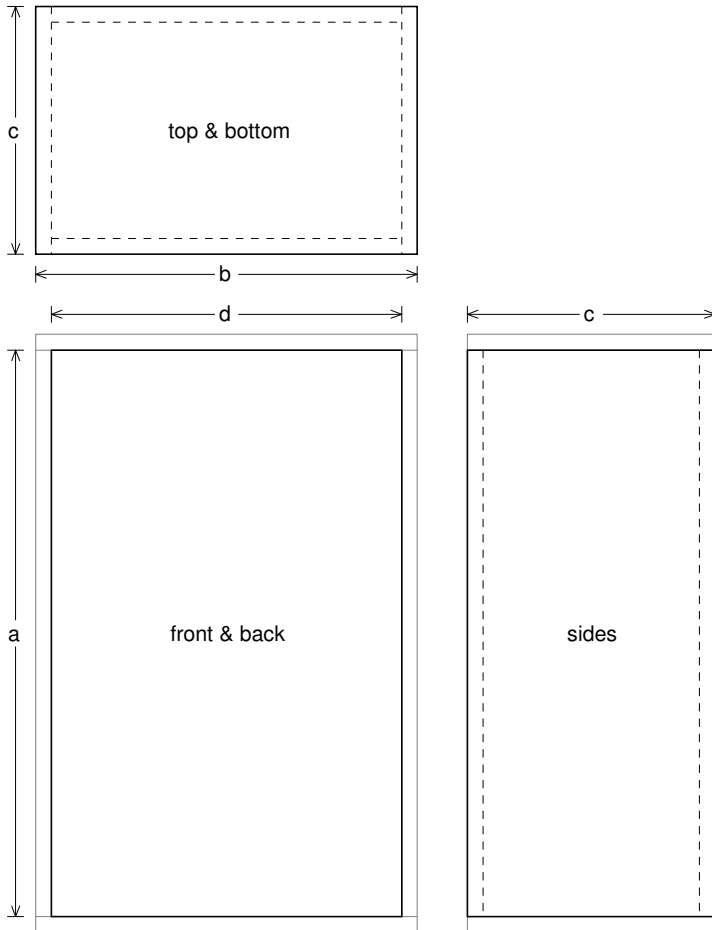
--Electromech. Parameters--

Qts = 0.54

no = 1.178 %

1-W SPL = 92.86 dB

2.83-V SPL = 94.36 dB



Box Parts

Box Shape: Optimum Square Prism
1 Top, 1 Bottom: depth (c) = 11.82 in
width (b) = 18.2, thickness = 0.75 in
1 Front, 1 Back: height (a) = 27.03 in
width (d) = 16.7, thickness = 0.75 in
2 Sides: height (a) = 27.03 in
depth (c) = 11.82, thickness = 0.75 in

--Vent Parts--

2 Ducts: outside diameter (e) = 4.25 in
inside diameter (g) = 4 in
length (h) = 3.151 in

--Driver Mounting--

Mounting: Flush

