

BASS GUITAR

LEGEND BP1525

A 15" bass guitar driver that delivers warm, rich tone and deep bass. A big brother to the popular 10" Legend BP102, this 700 watt driver is at home in small sealed enclosures, and also works well in pro audio and home hi-fi applications.

- **700 W** Program Power
- **15"** Nominal Diameter
- **8 Ω**

PRO AUDIO USAGE

- Midrange
- Midbass
- Woofer
- Subwoofer

ENCLOSURE

- Sealed Box
- Vented Box

SPECIFICATION

Nominal Basket Diameter	15", 381 mm
Nominal Impedance*	8 Ω
Power Rating*	
Program Power	700 W
Nominal Power	350 W
Resonance	32 Hz
Usable Frequency Range	35 Hz – 2.1 kHz
Sensitivity*	96.6 dB
Magnet Weight	56 oz.
Gap Height	0.31", 7.9 mm
Voice Coil Diameter	2.5", 64 mm

THIELE & SMALL PARAMETERS

Fs	32 Hz
Re	6.65 Ω
Le	1.12 mH
Qms	11.21
Qes	0.5
Qts	0.48
Vas	14.02 cu.ft., 397 liters
Vd	530.9 cc
Cms	0.39 mm/N
BL	13.07 T-M
Mms	65 grams
EBP	63
Xmax	6.2 mm
Sd	856.3 cm ²
Xlim	14.3 mm

MOUNTING INFORMATION

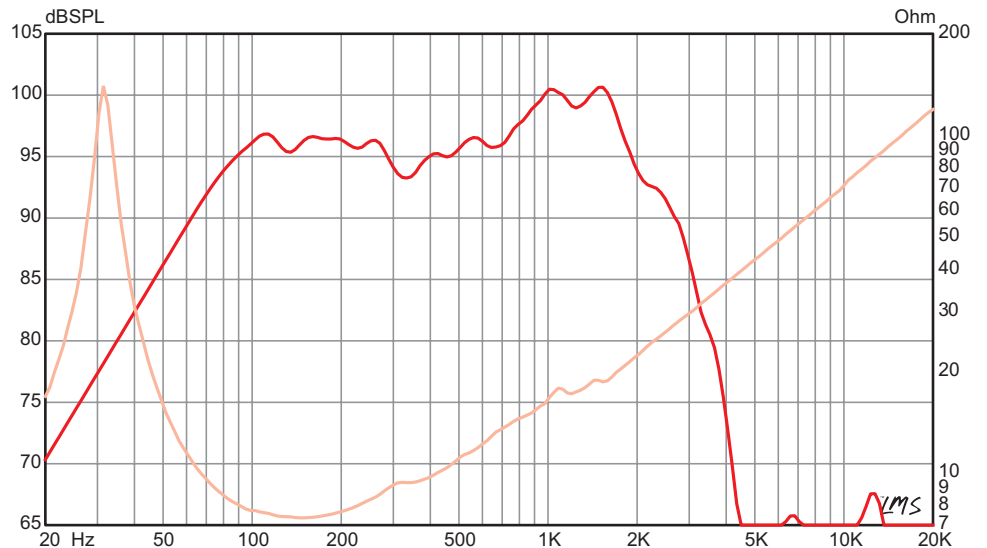
Recommended Enclosure Volume	
Sealed	42.48–158.58 liters, 1.5–5.6 cu.ft.
Vented	90.61–198.22 liters, 3.2–7 cu.ft.
Driver Volume Displaced	0.128 cu.ft., 3.62 liters
Overall Diameter	15.15", 384.8 mm
Baffle Hole Diameter	13.9", 353.1 mm
Front Sealing Gasket	Yes
Rear Sealing Gasket	Yes
Mounting Holes Diameter	0.25", 6.4 mm
Mounting Holes B.C.D.	14.56", 369.8 mm
Depth	6.61", 168 mm
Net Weight	12 lbs, 5.44 kg
Shipping Weight	14 lbs, 6.35 kg

MATERIALS OF CONSTRUCTION

- Copper voice coil
- Polyimide former
- Ferrite magnet
- Vented and extended 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.



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

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Legend BP1525 Large Sealed Bass Guitar or PA

By Jerry McNutt, Eminence Speaker LLC

100 Watts, F3 at 54 Hz

Run full range for Bass Guitar or High Pass at 60 Hz for PA



Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 4.915 cu.ft

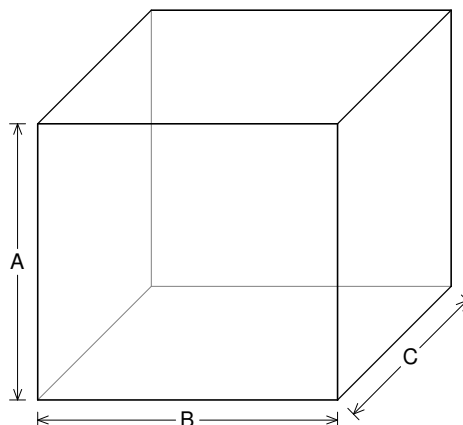
V(total) = 5.107 cu.ft

Qtc = 0.805

QL = 20

F3 = 54.27 Hz

Fill = normal



--External Dimensions--

A = 23.5 in

B = 25.5 in

C = 18.21 in

--Internal Dimensions--

A = 22 in

B = 24 in

C = 16.71 in

--Wall Thickness--

Front = 0.75 in

Side = 0.75 in

Driver Properties

--Description--

Name: Legend BP1525

Type: Standard one-way driver

Company: Eminence Speaker LLC USA

Comment: 15" Bass Guitar/PA Woofer

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 31.53 Hz

Qms = 11.21

Vas = 397 liters

Cms = 0.39 mm/N

Mms = 65.02 g

Rms = 1.15 kg/s

Xmax = 6.2 mm

Xmech = 14.3 mm

P-Dia = 328.3 mm

Sd = 856.3 sq.cm

P-Vd = 0.525 liters

--Electrical Parameters--

Qes = 0.5

Re = 6.65 ohms

Le = 1.12 mH

Z = 8 ohms

BL = 13.07 Tm

Pe = 350 watts

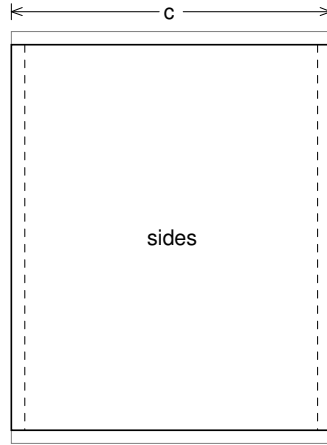
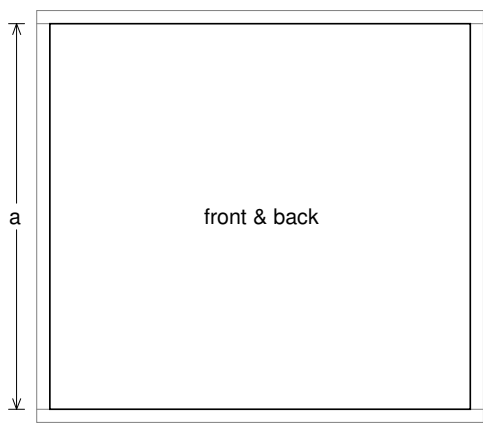
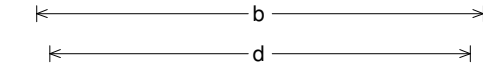
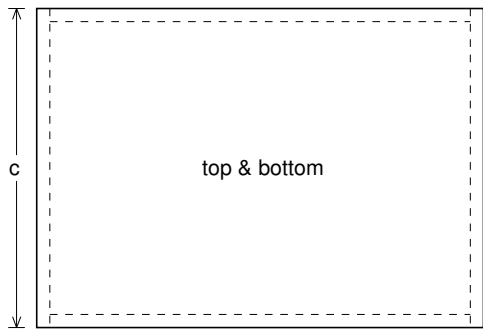
--Electromech. Parameters--

Qts = 0.48

no = 2.4 %

1-W SPL = 95.95 dB

2.83-V SPL = 96.75 dB



Box Parts

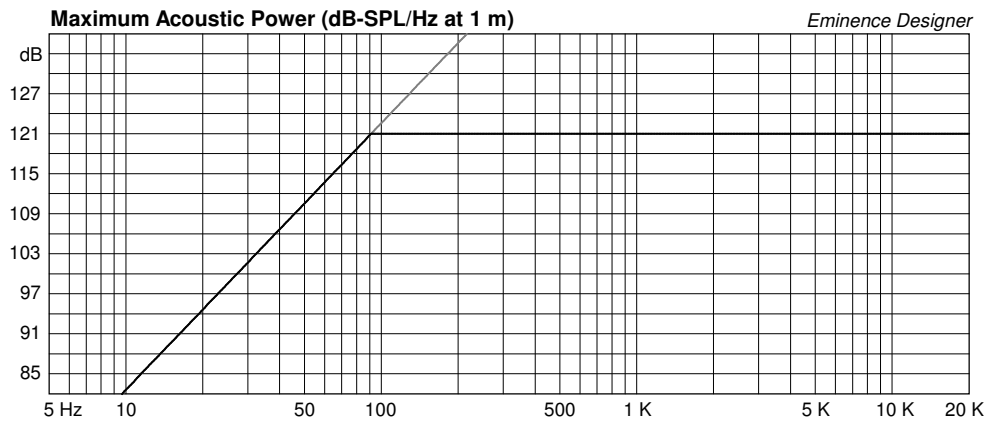
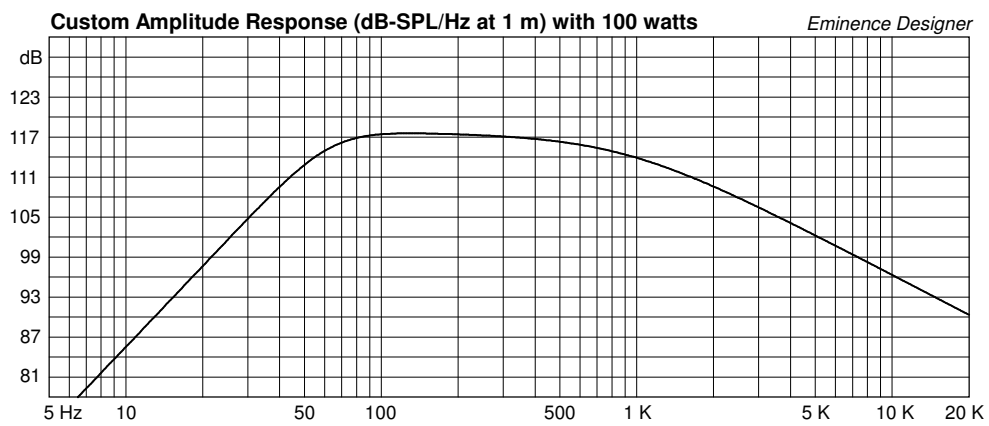
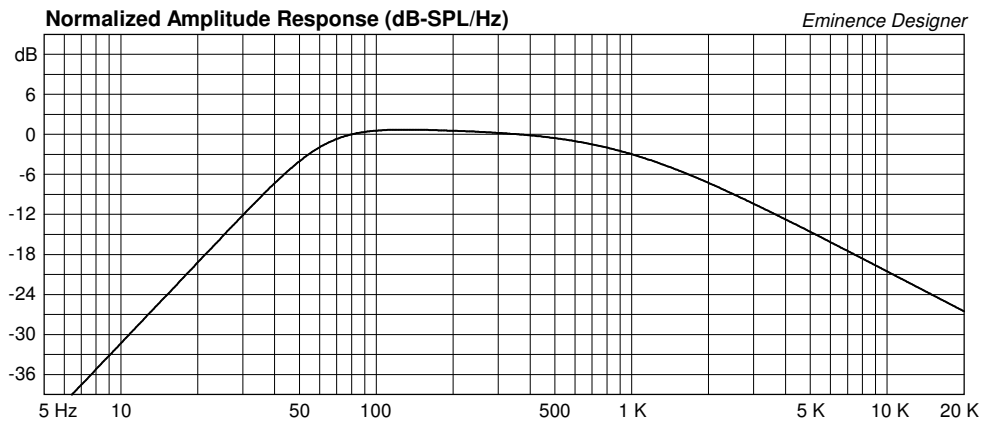
Box Shape: Square Prism

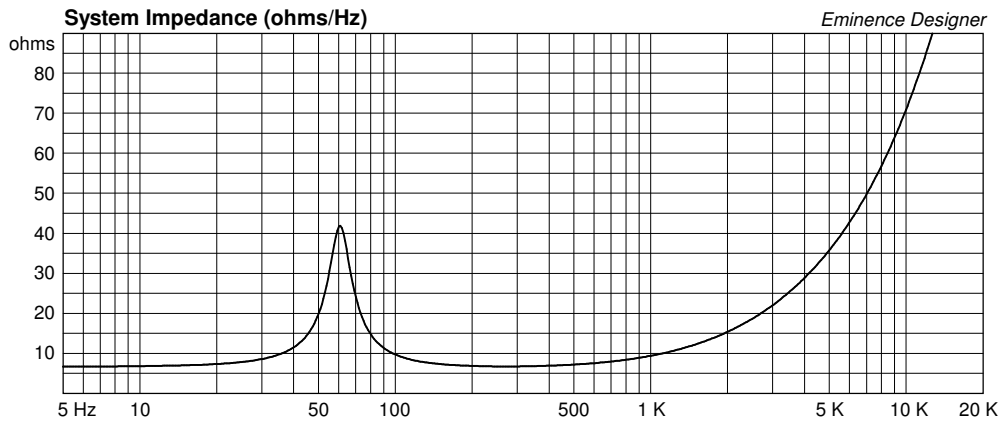
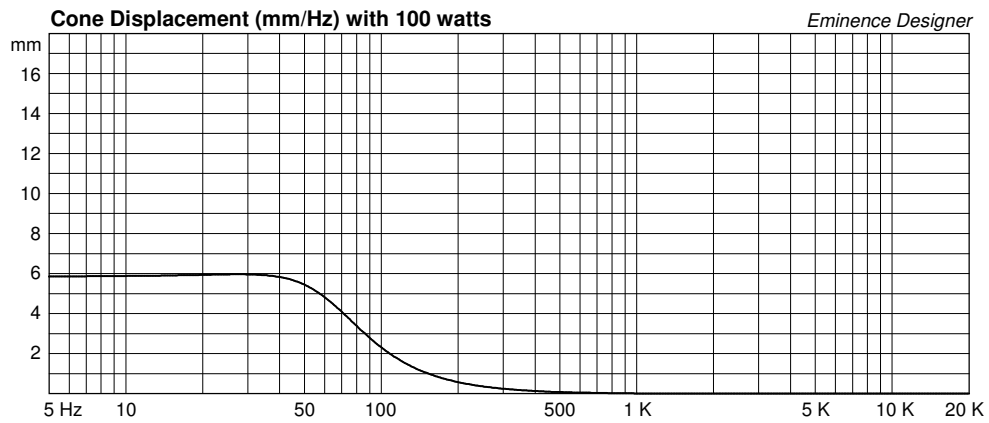
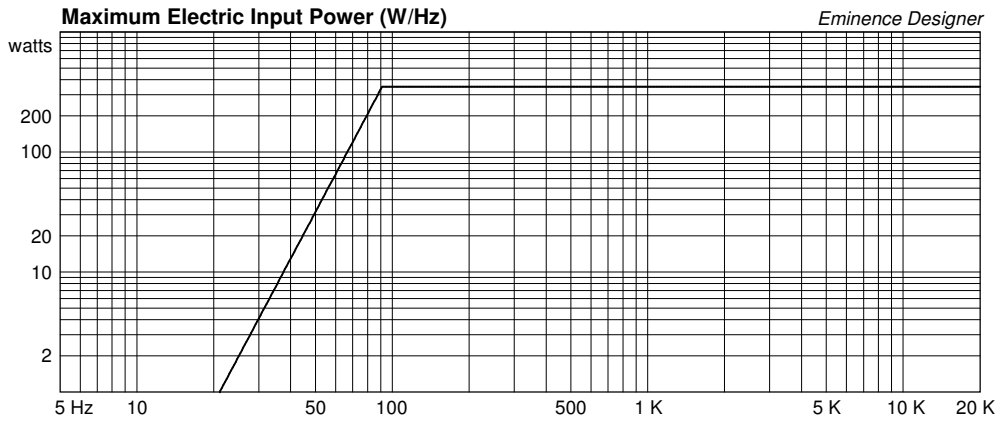
1 Top, 1 Bottom: depth (c) = 18.21 in
width (b) = 25.5, thickness = 0.75 in

1 Front, 1 Back: height (a) = 22 in
width (d) = 24, thickness = 0.75 in

2 Sides: height (a) = 22 in
depth (c) = 18.21, thickness = 0.75 in

--Driver Mounting--
Mounting: Flush





Legend BP1525 Large Vented Bass Guitar or PA

By Jerry McNutt, Eminence Speaker LLC

200 Watts, F3 at 44 Hz.

Run full range for Bass Guitar or High Pass at 35 Hz for PA, DJ, or Pro-Sound



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 6 cu.ft

V(total) = 6.218 cu.ft

Fb = 40 Hz

QL = 7

F3 = 43.96 Hz

Fill = normal

--Vents--

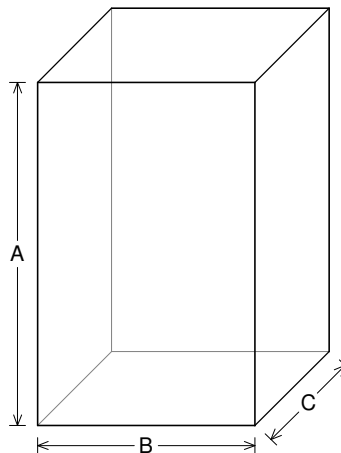
No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 2.31 in



--External Dimensions--

A = 37.2 in

B = 23.57 in

C = 15.14 in

--Internal Dimensions--

A = 35.7 in

B = 22.07 in

C = 13.64 in

--Wall Thickness--

Front = 0.75 in

Side = 0.75 in

Driver Properties

--Description--

Name: Legend BP1525

Type: Standard one-way driver

Company: Eminence Speaker LLC USA

Comment: 15" Bass Guitar/PA Woofer

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 31.53 Hz

Qms = 11.21

Vas = 397 liters

Cms = 0.39 mm/N

Mms = 65.02 g

Rms = 1.15 kg/s

Xmax = 6.2 mm

Xmech = 14.3 mm

P-Dia = 328.3 mm

Sd = 856.3 sq.cm

P-Vd = 0.525 liters

--Electrical Parameters--

Qes = 0.5

Re = 6.65 ohms

Le = 1.12 mH

Z = 8 ohms

BL = 13.07 Tm

Pe = 350 watts

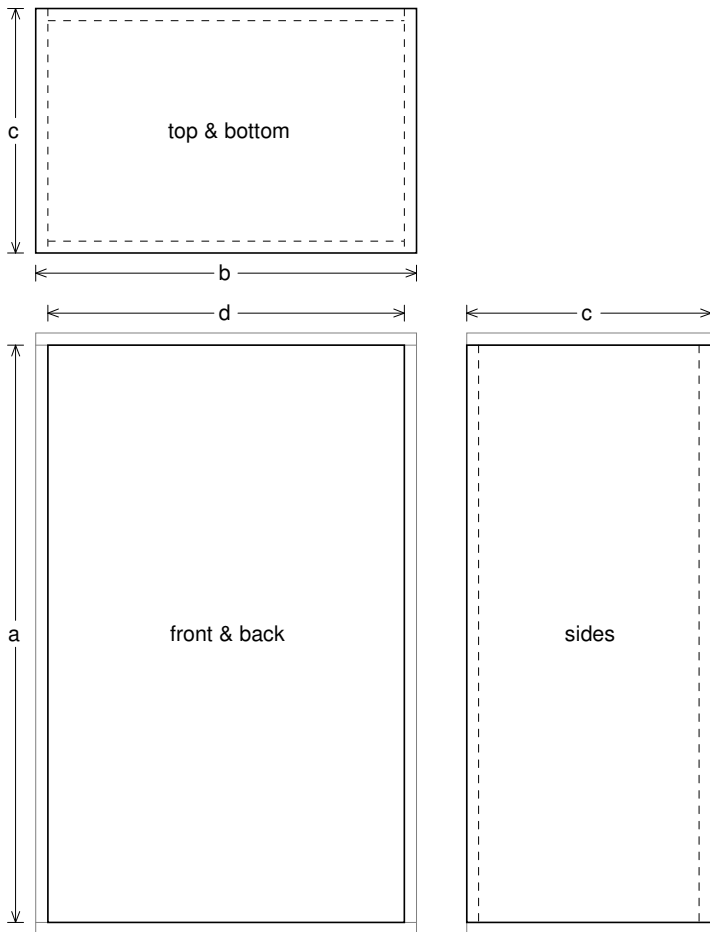
--Electromech. Parameters--

Qts = 0.48

no = 2.4 %

1-W SPL = 95.95 dB

2.83-V SPL = 96.75 dB



Box Parts

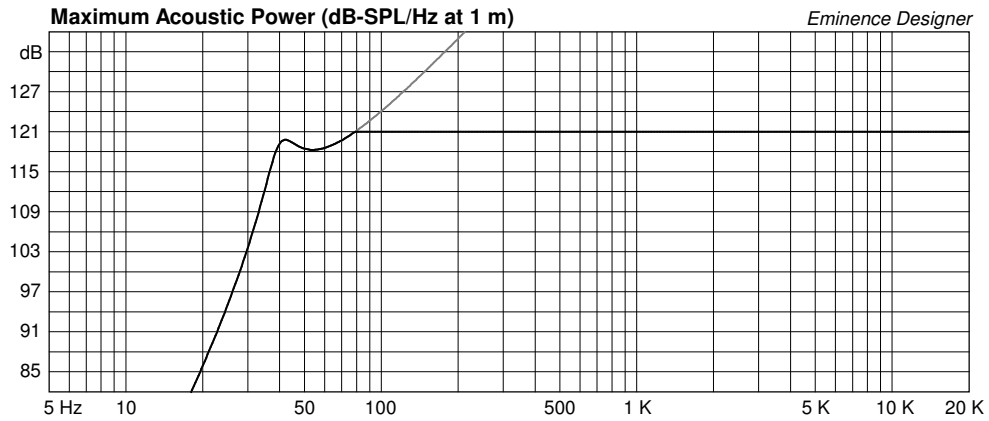
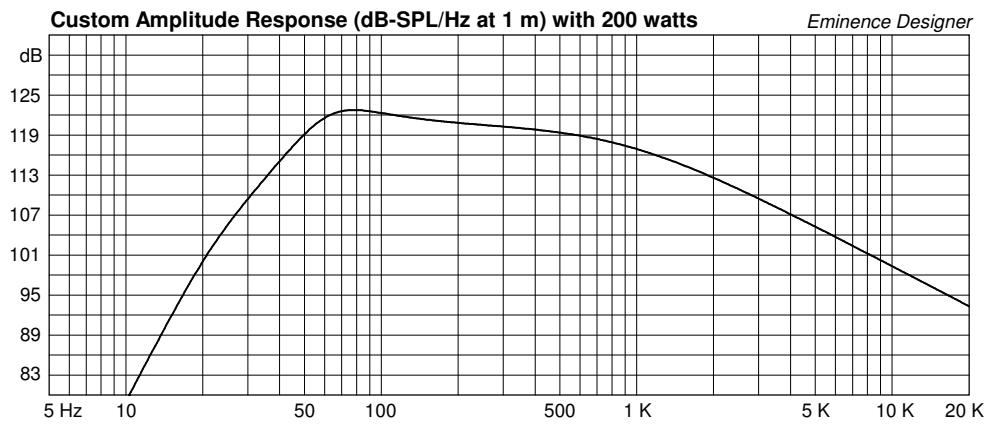
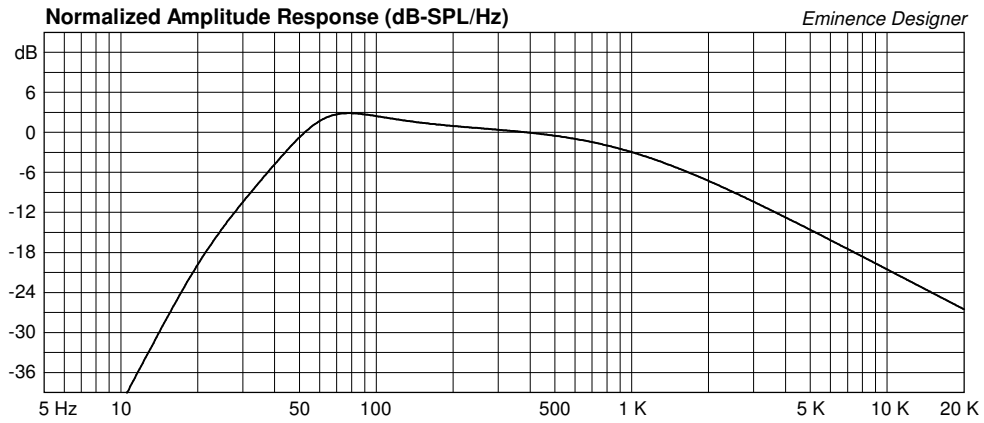
Box Shape: Optimum Square Prism
1 Top, 1 Bottom: depth (c) = 15.14 in
width (b) = 23.57, thickness = 0.75 in
1 Front, 1 Back: height (a) = 35.7 in
width (d) = 22.07, thickness = 0.75 in
2 Sides: height (a) = 35.7 in
depth (c) = 15.14, thickness = 0.75 in

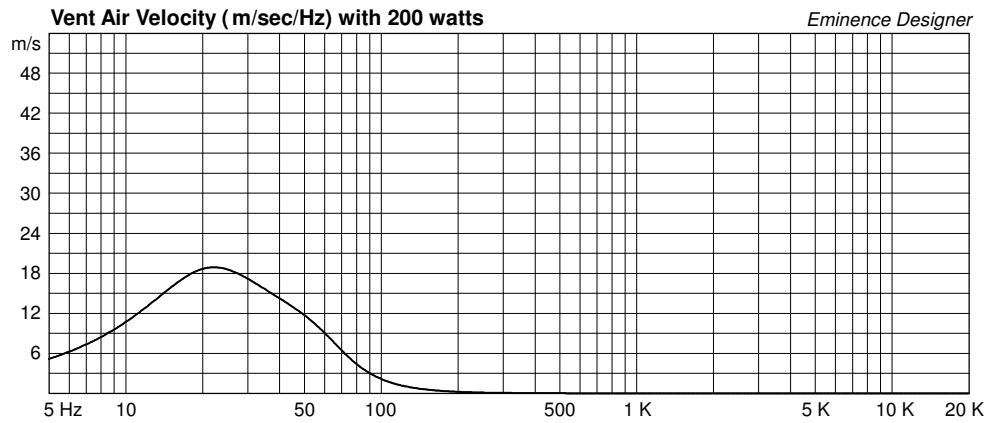
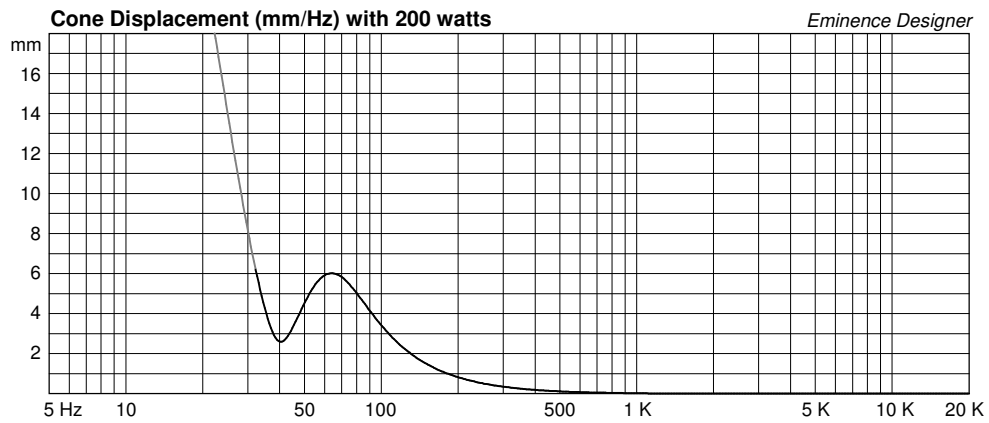
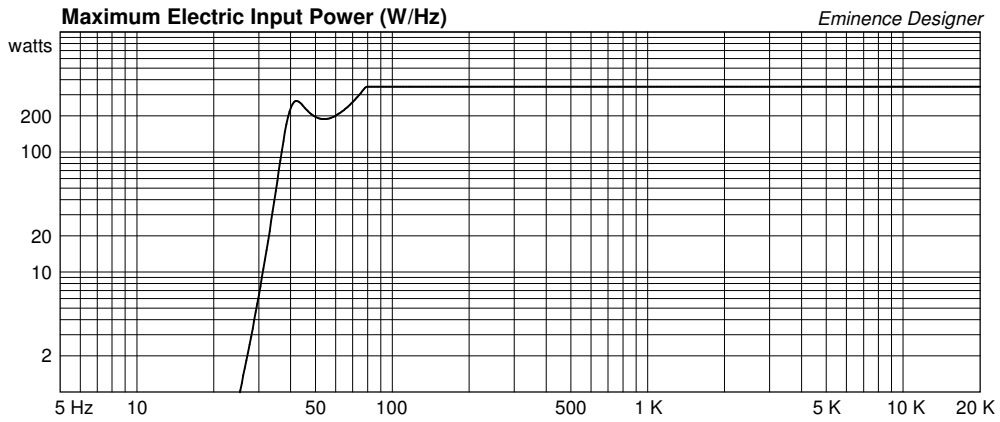
--Vent Parts--

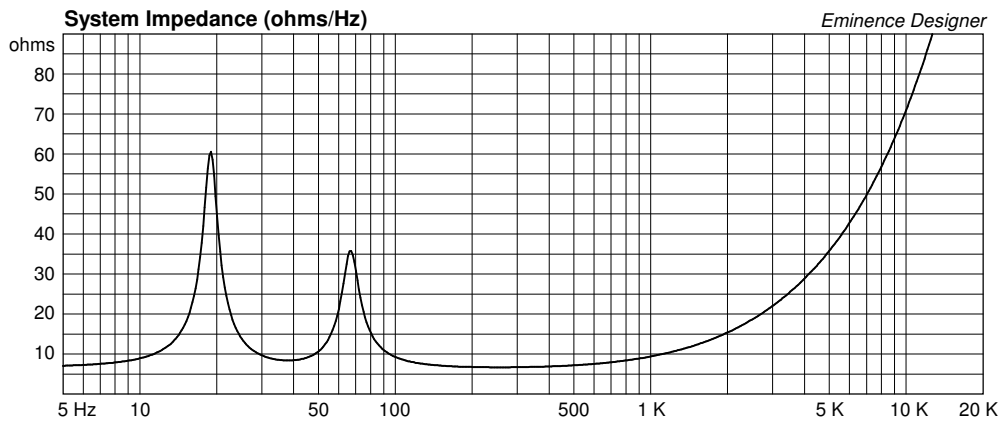
2 Ducts: outside diameter (e) = 4.25 in
inside diameter (g) = 4 in
length (h) = 2.31 in

--Driver Mounting--

Mounting: Flush







Legend BP1525 Medium Sealed Bass Guitar or PA

By Jerry McNutt, Eminence Speaker LLC

200 Watts, F3 at 61 Hz

Run full range for Bass Guitar or High pass at 70 Hz for PA



Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 2.75 cu.ft

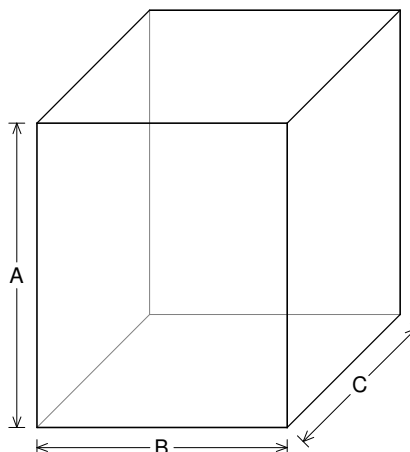
V(total) = 2.942 cu.ft

Qtc = 0.979

QL = 20

F3 = 60.95 Hz

Fill = normal



--External Dimensions--

A = 22.5 in

B = 18.5 in

C = 15.74 in

--Internal Dimensions--

A = 21 in

B = 17 in

C = 14.24 in

--Wall Thickness--

Front = 0.75 in

Side = 0.75 in

Driver Properties

--Description--

Name: Legend BP1525

Type: Standard one-way driver

Company: Eminence Speaker LLC USA

Comment: 15" Bass Guitar/PA Woofer

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 31.53 Hz

Qms = 11.21

Vas = 397 liters

Cms = 0.39 mm/N

Mms = 65.02 g

Rms = 1.15 kg/s

Xmax = 6.2 mm

Xmech = 14.3 mm

P-Dia = 328.3 mm

Sd = 856.3 sq.cm

P-Vd = 0.525 liters

--Electrical Parameters--

Qes = 0.5

Re = 6.65 ohms

Le = 1.12 mH

Z = 8 ohms

BL = 13.07 Tm

Pe = 350 watts

--Electromech. Parameters--

Qts = 0.48

no = 2.4 %

1-W SPL = 95.95 dB

2.83-V SPL = 96.75 dB



Box Parts

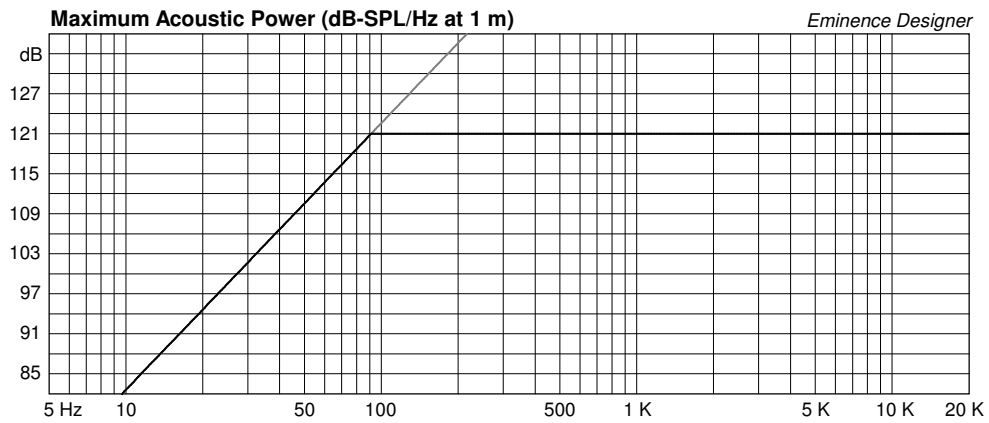
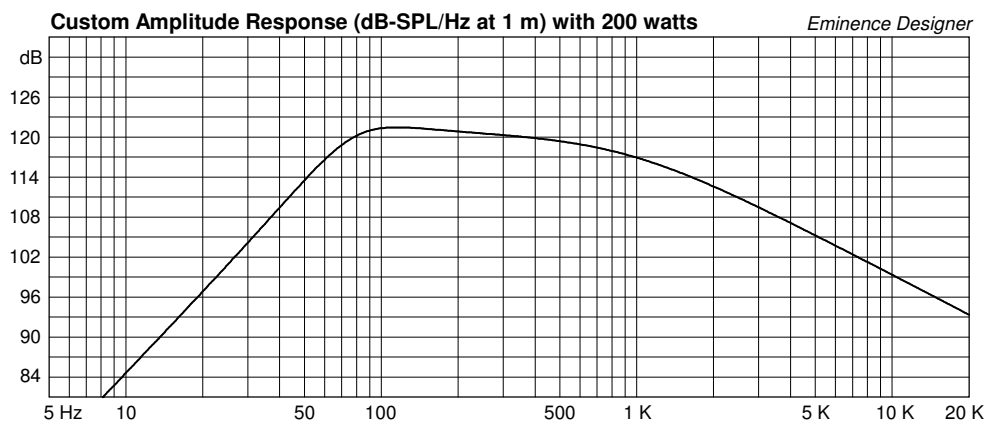
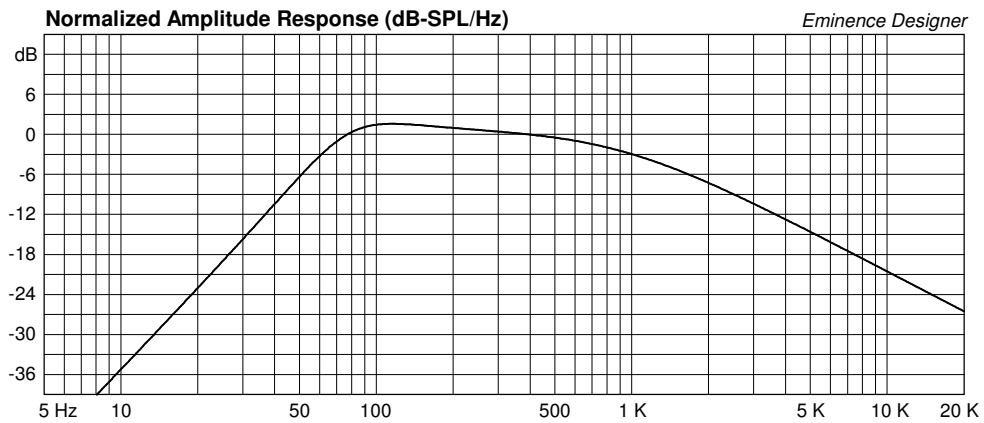
Box Shape: Square Prism

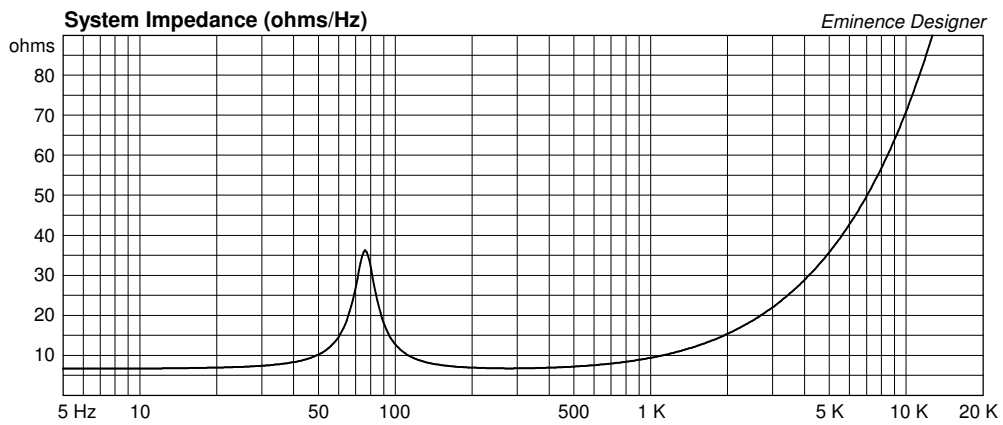
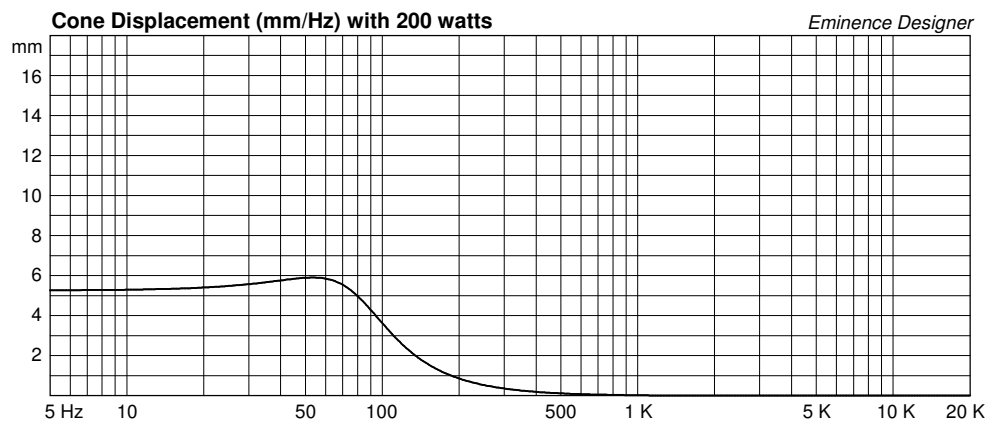
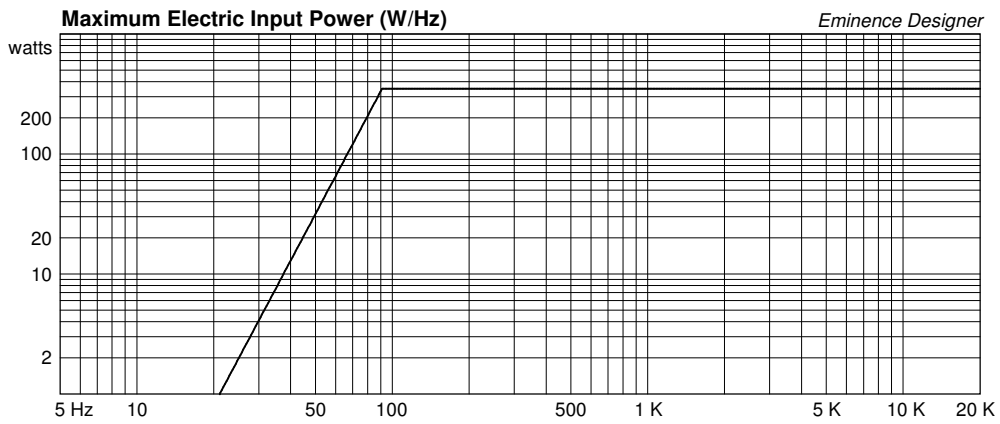
1 Top, 1 Bottom: depth (c) = 15.74 in
width (b) = 18.5, thickness = 0.75 in

1 Front, 1 Back: height (a) = 21 in
width (d) = 17, thickness = 0.75 in

2 Sides: height (a) = 21 in
depth (c) = 15.74, thickness = 0.75 in

--Driver Mounting--
Mounting: Flush





Legend BP1525 Medium Vented Bass Guitar or PA

By Jerry McNutt, Eminence Speaker LLC

250 Watts, F3 at 49 Hz.

Run full range for Bass Guitar or High Pass at 35 Hz for PA, DJ, or Pro-Sound



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 4.6 cu.ft

V(total) = 4.839 cu.ft

Fb = 42 Hz

QL = 7

F3 = 48.67 Hz

Fill = normal

--Vents--

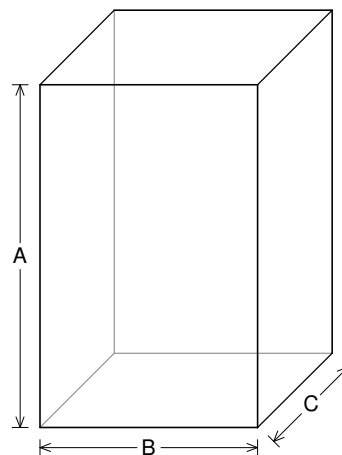
No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 3.603 in



--External Dimensions--

A = 34.34 in

B = 21.8 in

C = 14.04 in

--Internal Dimensions--

A = 32.84 in

B = 20.3 in

C = 12.54 in

--Wall Thickness--

Front = 0.75 in

Side = 0.75 in

Driver Properties

--Description--

Name: Legend BP1525

Type: Standard one-way driver

Company: Eminence Speaker LLC USA

Comment: 15" Bass Guitar/PA Woofer

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 31.53 Hz

Qms = 11.21

Vas = 397 liters

Cms = 0.39 mm/N

Mms = 65.02 g

Rms = 1.15 kg/s

Xmax = 6.2 mm

Xmech = 14.3 mm

P-Dia = 328.3 mm

Sd = 856.3 sq.cm

P-Vd = 0.525 liters

--Electrical Parameters--

Qes = 0.5

Re = 6.65 ohms

Le = 1.12 mH

Z = 8 ohms

BL = 13.07 Tm

Pe = 350 watts

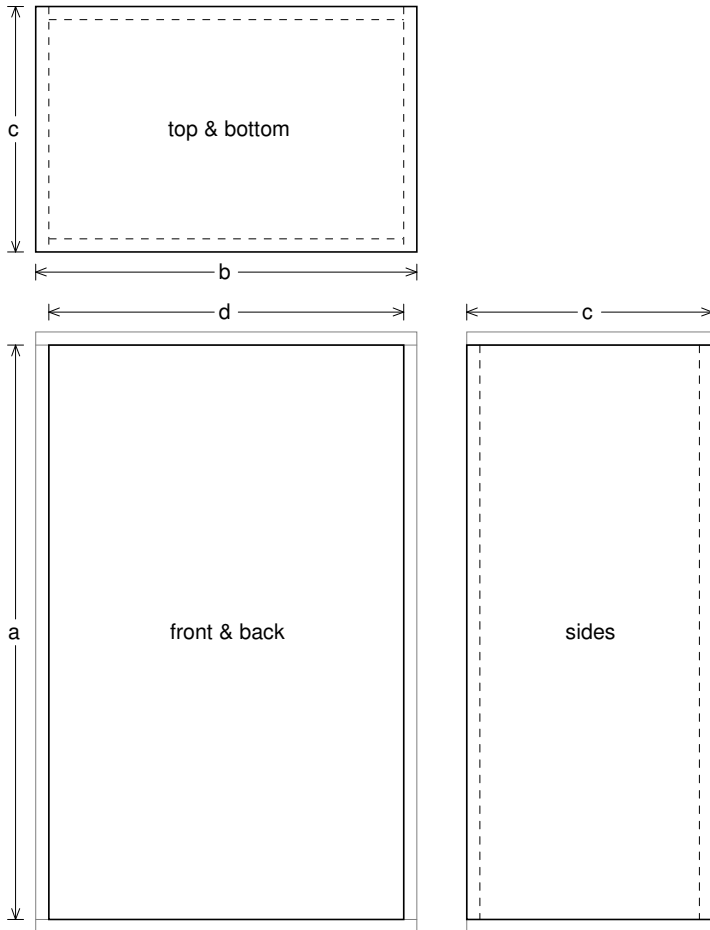
--Electromech. Parameters--

Qts = 0.48

no = 2.4 %

1-W SPL = 95.95 dB

2.83-V SPL = 96.75 dB



Box Parts

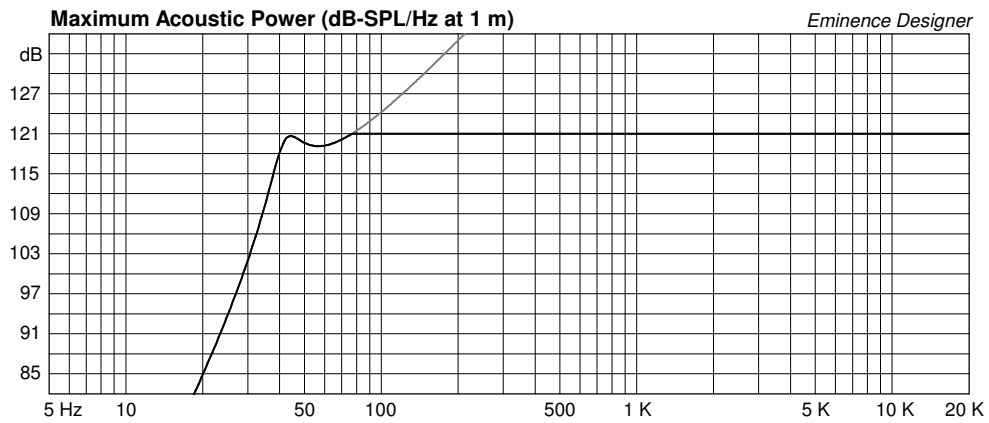
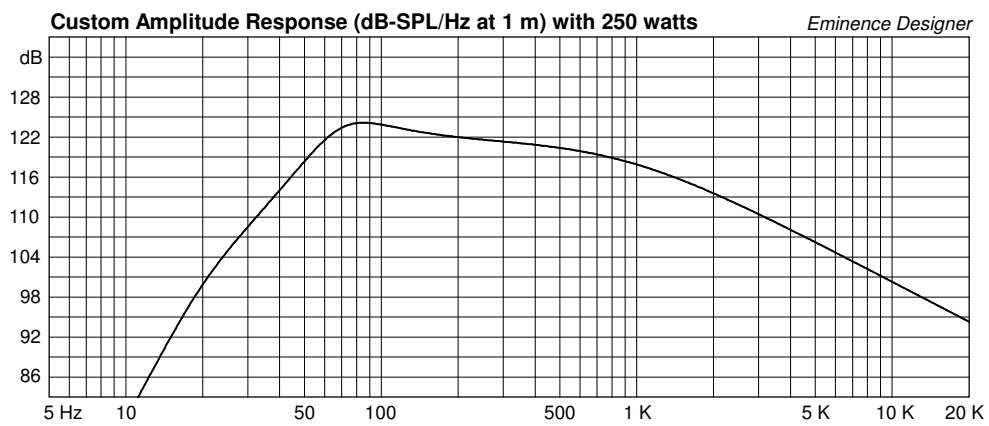
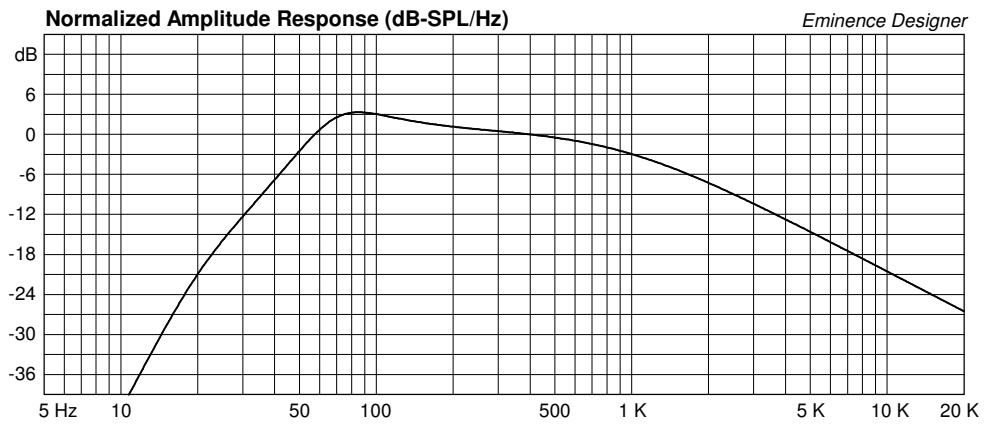
Box Shape: Optimum Square Prism
1 Top, 1 Bottom: depth (c) = 14.04 in
width (b) = 21.8, thickness = 0.75 in
1 Front, 1 Back: height (a) = 32.84 in
width (d) = 20.3, thickness = 0.75 in
2 Sides: height (a) = 32.84 in
depth (c) = 14.04, thickness = 0.75 in

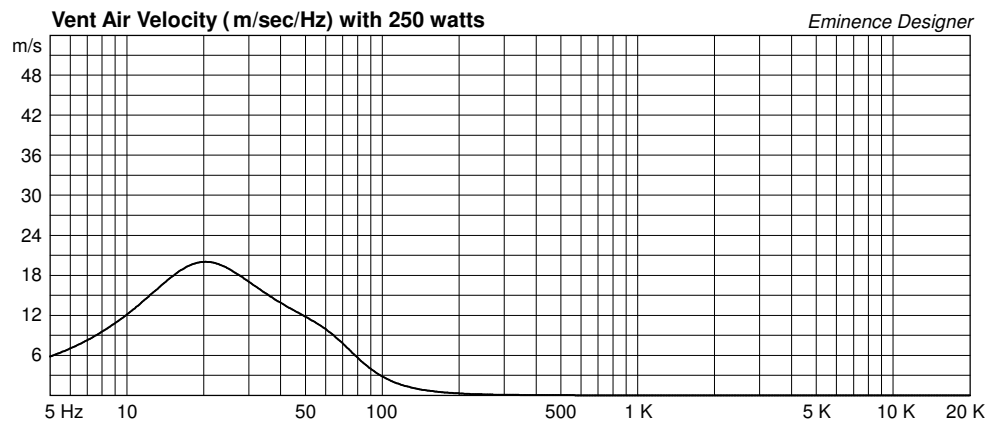
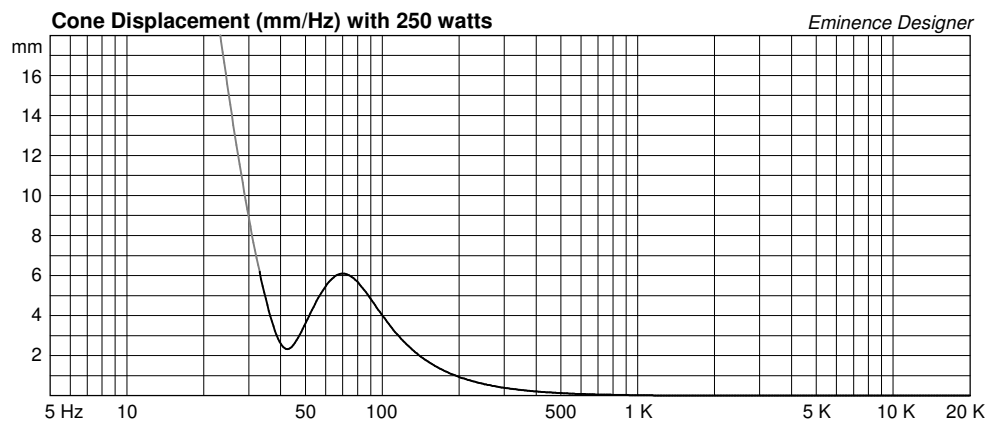
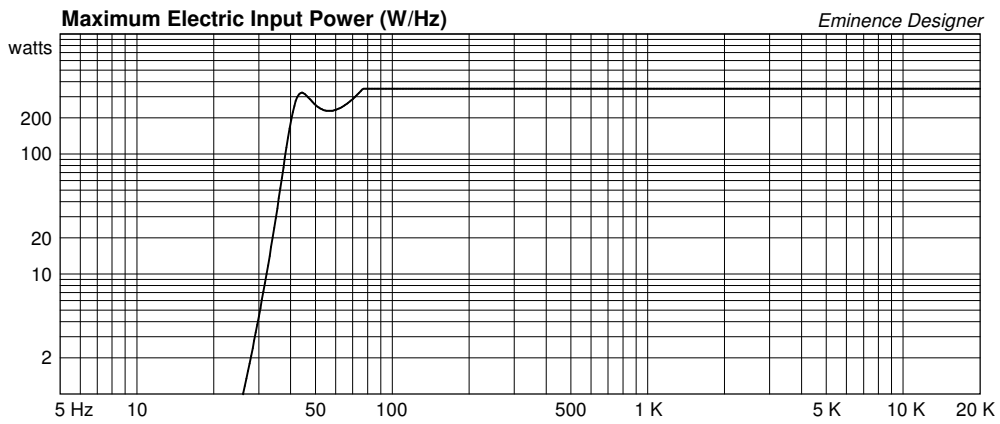
--Vent Parts--

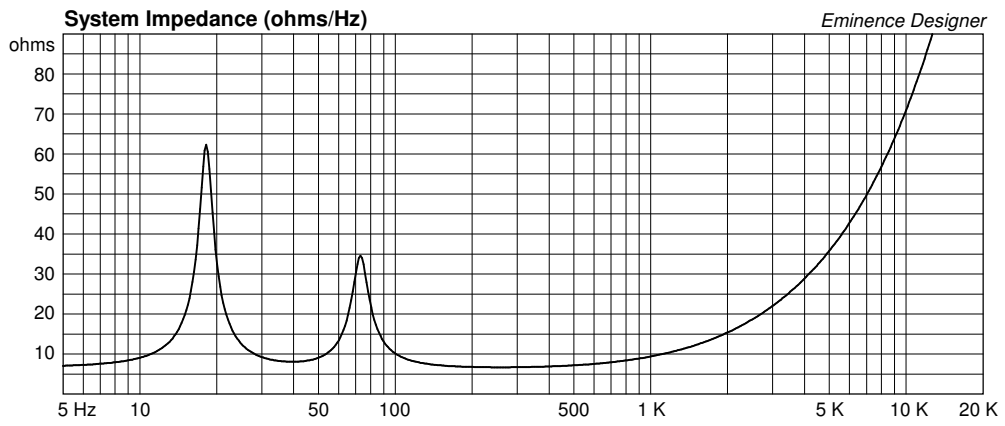
2 Ducts: outside diameter (e) = 4.25 in
inside diameter (g) = 4 in
length (h) = 3.603 in

--Driver Mounting--

Mounting: Flush







Legend BP1525 Small Sealed Bass Guitar or PA

By Jerry McNutt, Eminence Speaker LLC

350 Watts, F3 at 71 Hz.

Run full range for Bass Guitar or High pass at 80 Hz for PA top use.



Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 1.629 cu.ft

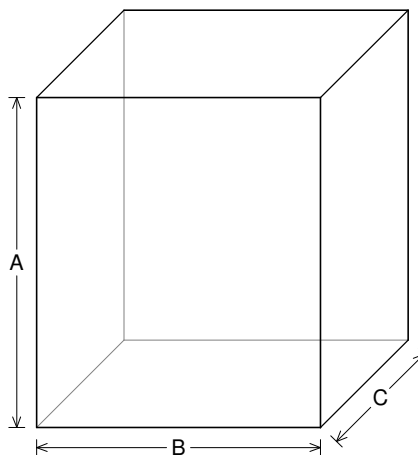
V(total) = 1.821 cu.ft

Qtc = 1.183

QL = 20

F3 = 71.36 Hz

Fill = normal



--External Dimensions--

A = 21.5 in

B = 18.5 in

C = 10.75 in

--Internal Dimensions--

A = 20 in

B = 17 in

C = 9.254 in

--Wall Thickness--

Front = 0.75 in

Side = 0.75 in

Driver Properties

--Description--

Name: Legend BP1525

Type: Standard one-way driver

Company: Eminence Speaker LLC USA

Comment: 15" Bass Guitar/PA Woofer

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 31.53 Hz

Qms = 11.21

Vas = 397 liters

Cms = 0.39 mm/N

Mms = 65.02 g

Rms = 1.15 kg/s

Xmax = 6.2 mm

Xmech = 14.3 mm

P-Dia = 328.3 mm

Sd = 856.3 sq.cm

P-Vd = 0.525 liters

--Electrical Parameters--

Qes = 0.5

Re = 6.65 ohms

Le = 1.12 mH

Z = 8 ohms

BL = 13.07 Tm

Pe = 350 watts

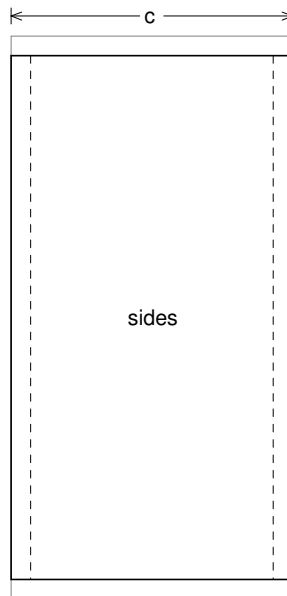
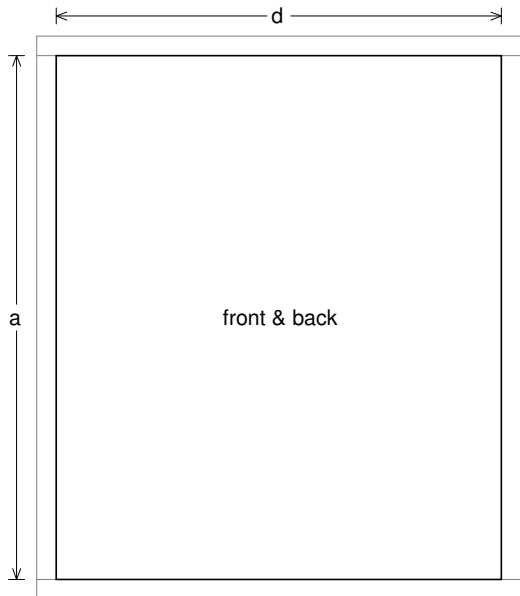
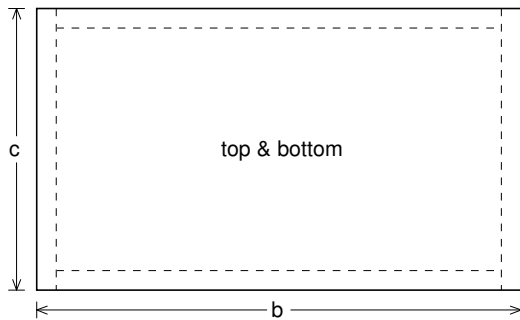
--Electromech. Parameters--

Qts = 0.48

no = 2.4 %

1-W SPL = 95.95 dB

2.83-V SPL = 96.75 dB



Box Parts

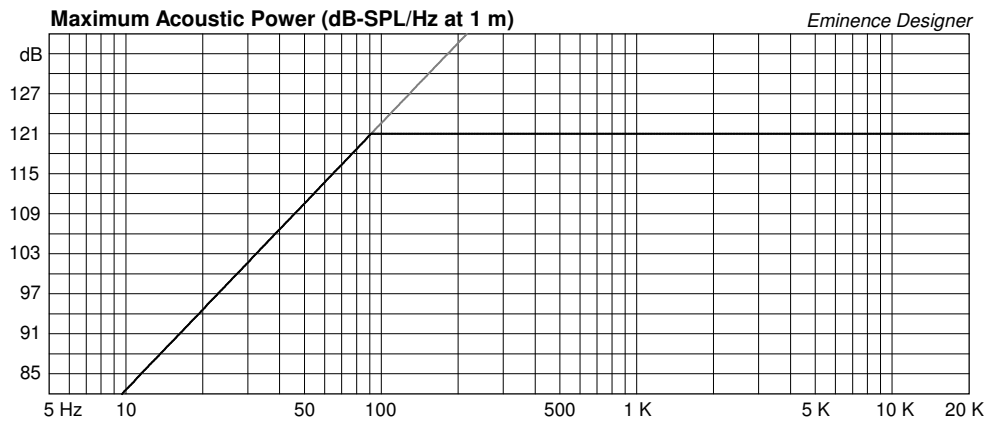
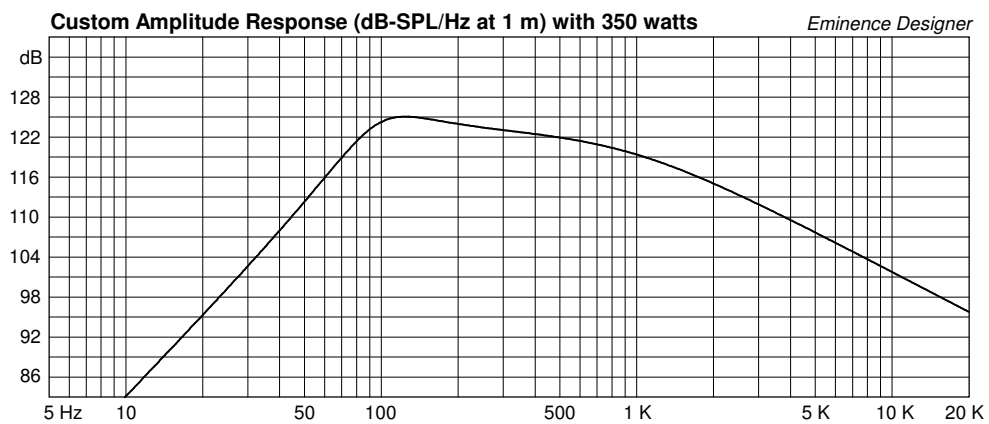
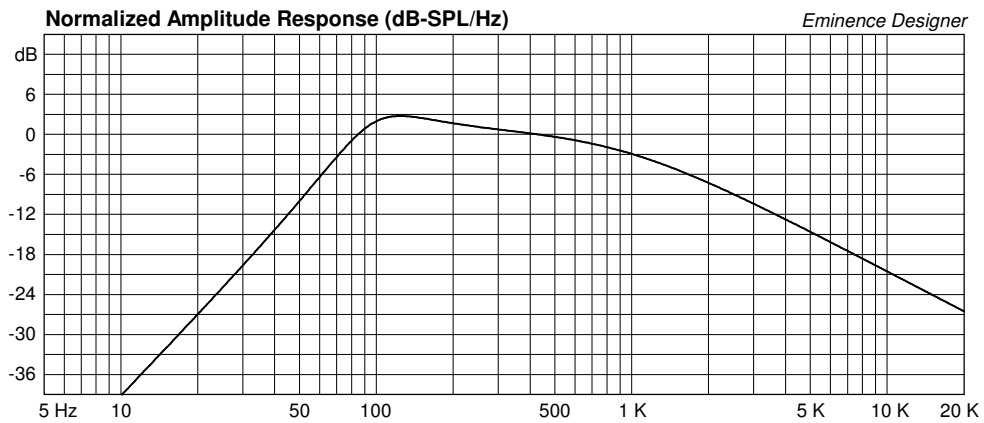
Box Shape: Square Prism

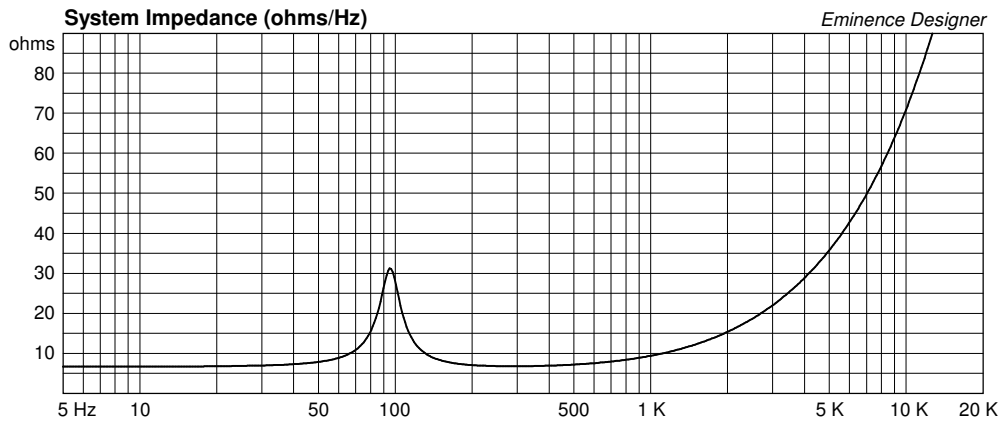
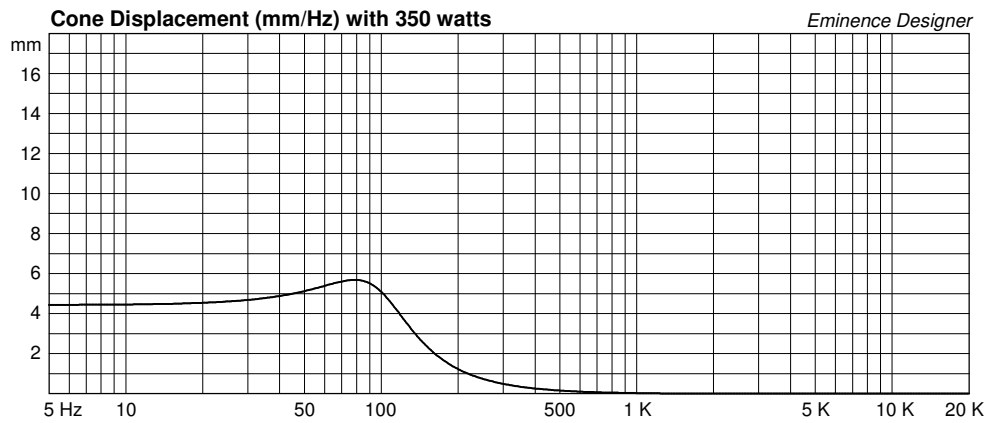
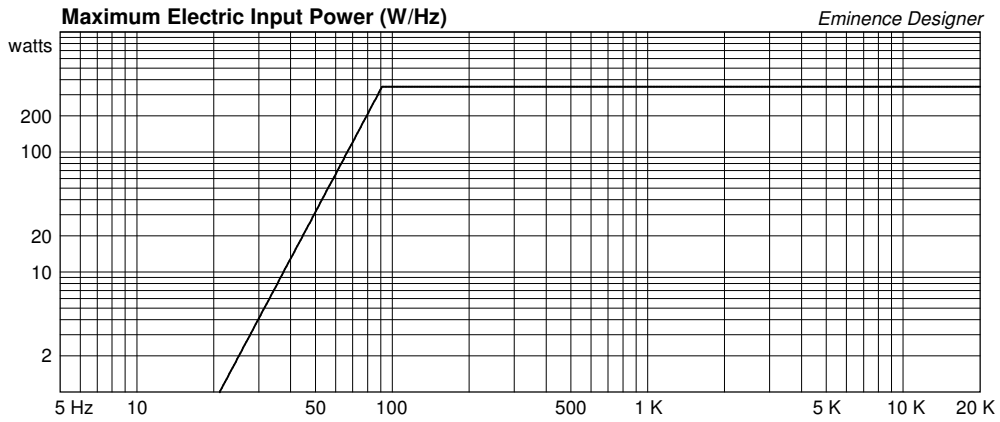
1 Top, 1 Bottom: depth (c) = 10.75 in
width (b) = 18.5, thickness = 0.75 in

1 Front, 1 Back: height (a) = 20 in
width (d) = 17, thickness = 0.75 in

2 Sides: height (a) = 20 in
depth (c) = 10.75, thickness = 0.75 in

--Driver Mounting--
Mounting: Flush





Legend BP1525 Small Vented Bass Guitar or PA

By Jerry McNutt, Eminence Speaker LLC

350 Watts, F3 at 54 Hz.

Run full range for Bass Guitar or High Pass at 40 Hz for PA, DJ, or Pro-Sound



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 3.8 cu.ft

V(total) = 4.019 cu.ft

Fb = 50 Hz

QL = 7

F3 = 53.59 Hz

Fill = normal

--Vents--

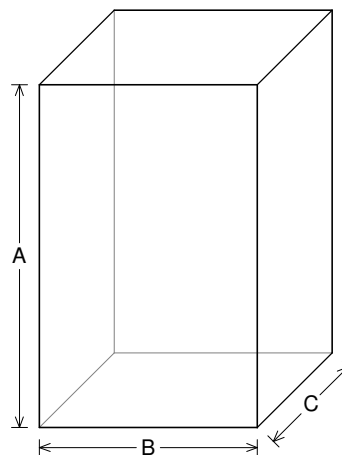
No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 2.384 in



--External Dimensions--

A = 32.37 in

B = 20.58 in

C = 13.29 in

--Internal Dimensions--

A = 30.87 in

B = 19.08 in

C = 11.79 in

--Wall Thickness--

Front = 0.75 in

Side = 0.75 in

Driver Properties

--Description--

Name: Legend BP1525

Type: Standard one-way driver

Company: Eminence Speaker LLC USA

Comment: 15" Bass Guitar/PA Woofer

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 31.53 Hz

Qms = 11.21

Vas = 397 liters

Cms = 0.39 mm/N

Mms = 65.02 g

Rms = 1.15 kg/s

Xmax = 6.2 mm

Xmech = 14.3 mm

P-Dia = 328.3 mm

Sd = 856.3 sq.cm

P-Vd = 0.525 liters

--Electrical Parameters--

Qes = 0.5

Re = 6.65 ohms

Le = 1.12 mH

Z = 8 ohms

BL = 13.07 Tm

Pe = 350 watts

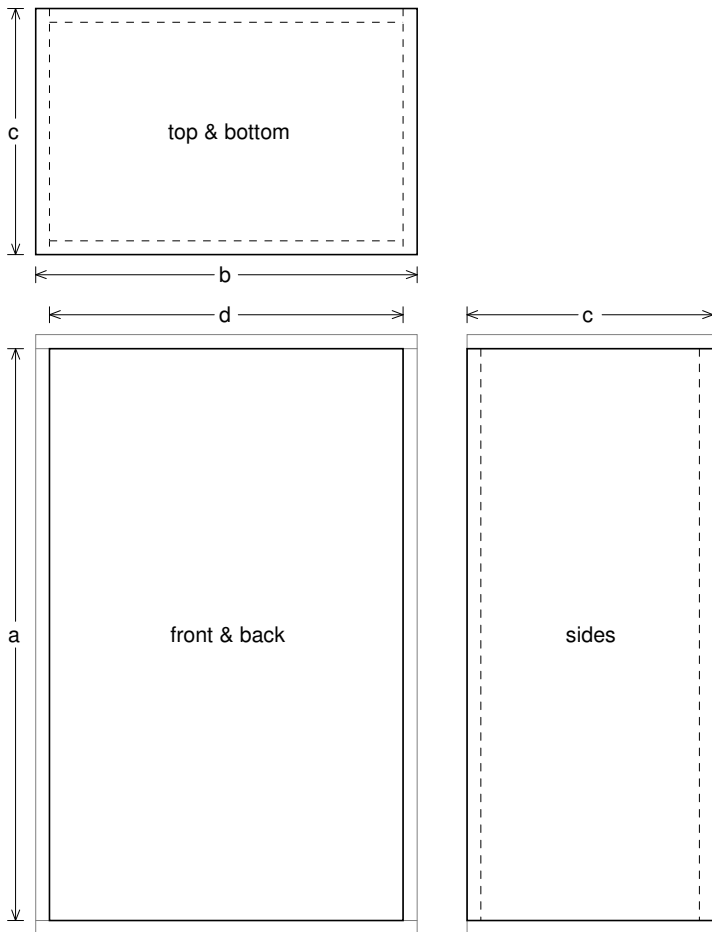
--Electromech. Parameters--

Qts = 0.48

no = 2.4 %

1-W SPL = 95.95 dB

2.83-V SPL = 96.75 dB



Box Parts

Box Shape: Optimum Square Prism
1 Top, 1 Bottom: depth (c) = 13.29 in
width (b) = 20.58, thickness = 0.75 in
1 Front, 1 Back: height (a) = 30.87 in
width (d) = 19.08, thickness = 0.75 in
2 Sides: height (a) = 30.87 in
depth (c) = 13.29, thickness = 0.75 in

--Vent Parts--

2 Ducts: outside diameter (e) = 4.25 in
inside diameter (g) = 4 in
length (h) = 2.384 in

--Driver Mounting--

Mounting: Flush

