

# CB3010N-8 Small Vented Bass Guitar Cab

By Jerry McNutt, Eminence Speaker LLC  
450 Watt System  
Use Up to a 900 Watt Amp



## Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 1.002 cu.ft

V(total) = 1.171 cu.ft

Fb = 64 Hz

QL = 7

F3 = 61.05 Hz

Fill = minimal

--Vents--

No. of Vents = 1

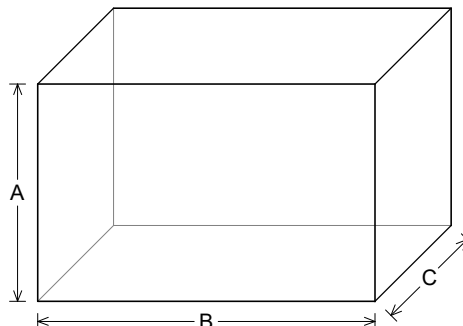
Vent shape = rectangle

Vent ends = one flush

Hv = 12.65 in

Wv = 1.4 in

Lv = 9.349 in



--External Dimensions--

A = 14.15 in

B = 21.96 in

C = 9.316 in

--Internal Dimensions--

A = 12.65 in

B = 20.46 in

C = 7.816 in

--Wall Thickness--

Front = 0.75 in

Side = 0.75 in

## Driver Properties

--Description--

Name: CB3010N-8

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Neo Bass Guitar Driver

--Configuration--

**No. of Drivers = 1**

--Mechanical Parameters--

Fs = 41.62 Hz

Qms = 7.95

Vas = 55.22 liters

Cms = 0.28 mm/N

Mms = 51.42 g

Rms = 1.69 kg/s

Xmax = 6.48 mm

Xmech = 14.16 mm

P-Dia = 217.8 mm

Sd = 376.9 sq.cm

P-Vd = 0.241 liters

--Electrical Parameters--

Qes = 0.25

Re = 5.62 ohms

Le = 0.62 mH

Z = 8 ohms

BL = 17.22 Tm

Pe = 450 watts

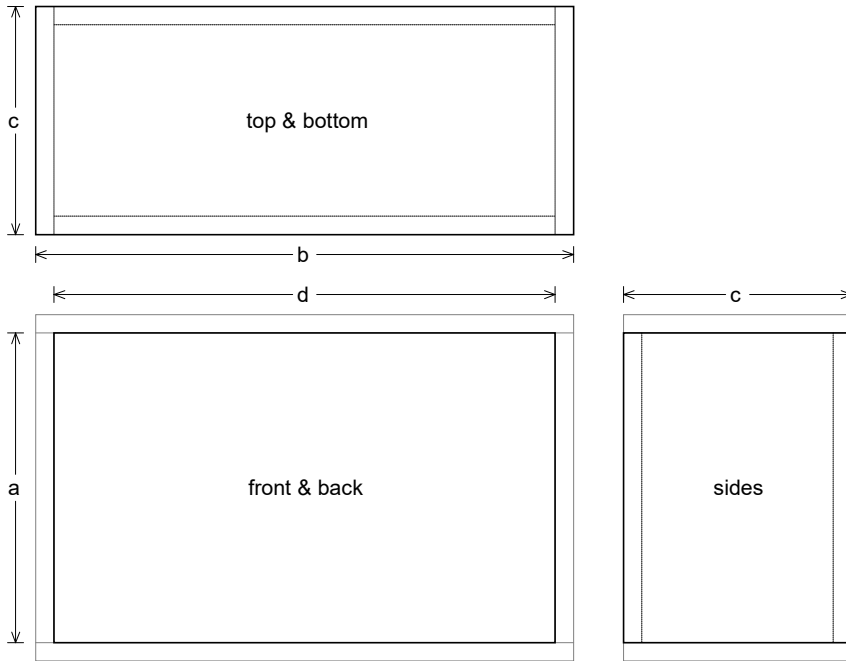
--Electromech. Parameters--

Qts = 0.242

no = 1.535 %

1-W SPL = 94.01 dB

2.83-V SPL = 95.54 dB



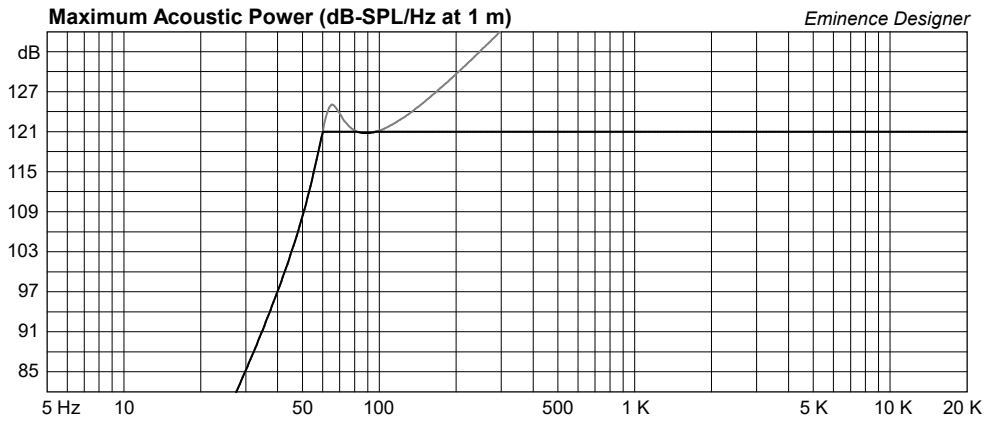
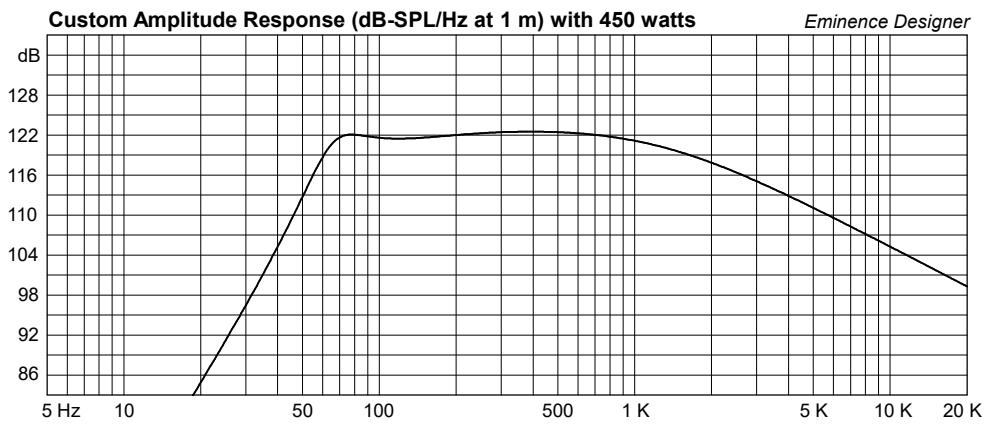
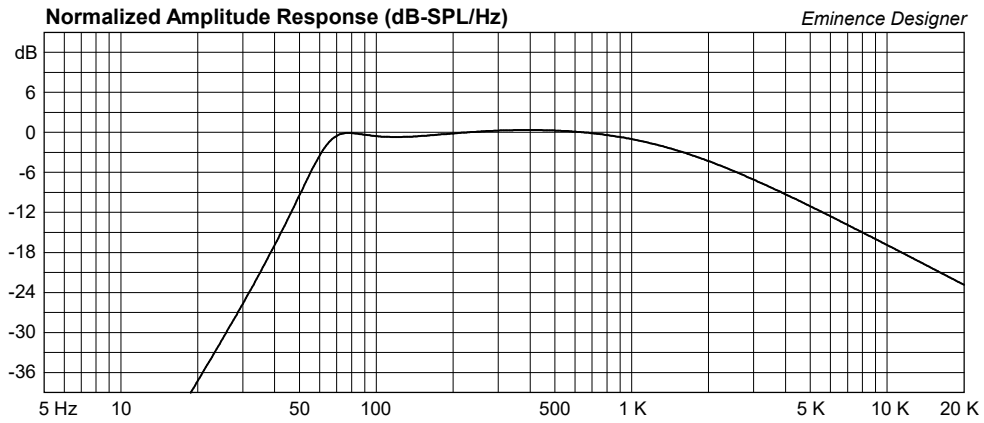
**Box Parts**

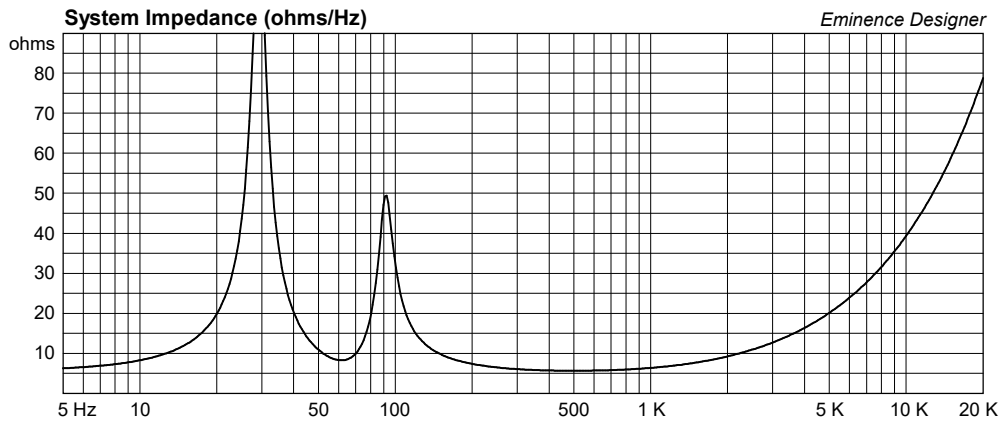
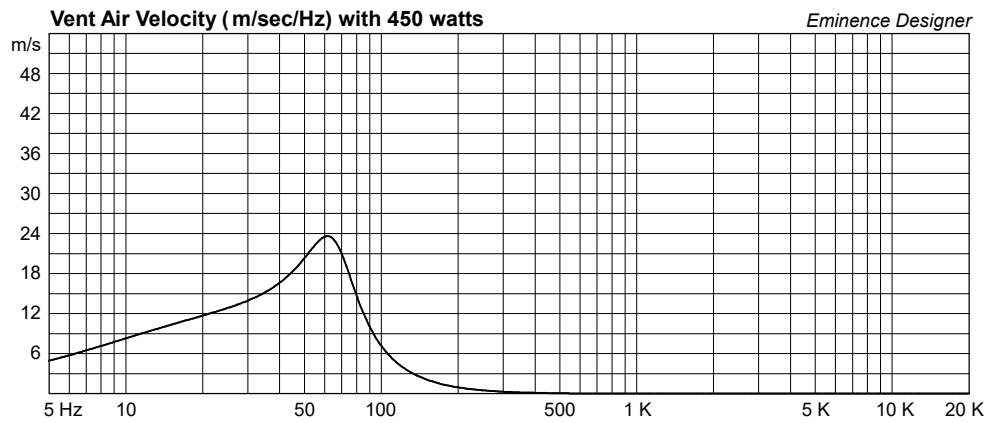
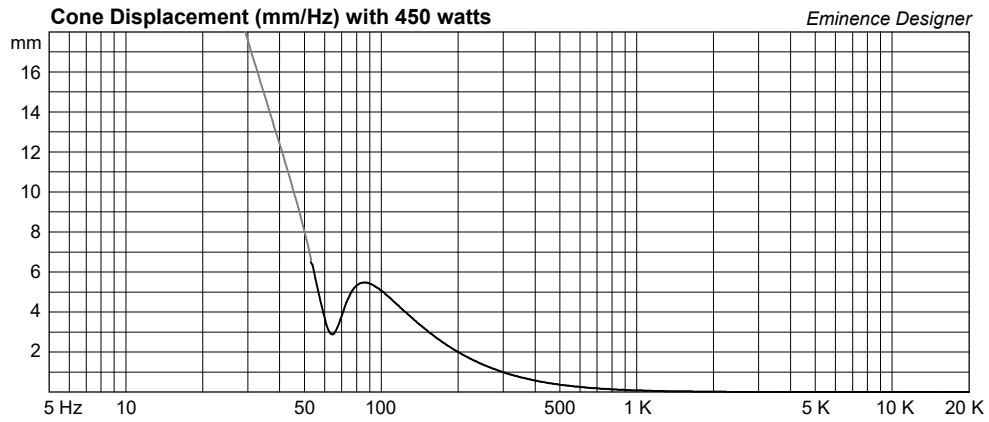
Box Shape: Optimum Square Prism  
1 Top, 1 Bottom: depth (c) = 9.316 in  
width (b) = 21.96, thickness = 0.75 in  
1 Front, 1 Back: height (a) = 12.65 in  
width (d) = 20.46, thickness = 0.75 in  
2 Sides: height (a) = 12.65 in  
depth (c) = 9.316, thickness = 0.75 in

**--Vent Parts--**

1 Top, 1 Bottom:  
width (e) = 1.65, length (h) = 9.349 in  
thickness = 0.125 in  
2 Sides:  
height (g) = 12.65, length (h) = 9.349 in  
thickness = 0.125 in

**--Driver Mounting--**  
Mounting: Flush





# CB3010N-8 Small Vented 2x10 Bass Guitar Cab

By Jerry McNutt, Eminence Speaker LLC  
900 Watt System  
Use Up to a 1800 Watt Amp



## Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 2.031 cu.ft

V(total) = 2.37 cu.ft

Fb = 59 Hz

QL = 7

F3 = 59 Hz

Fill = minimal

--Vents--

No. of Vents = 1

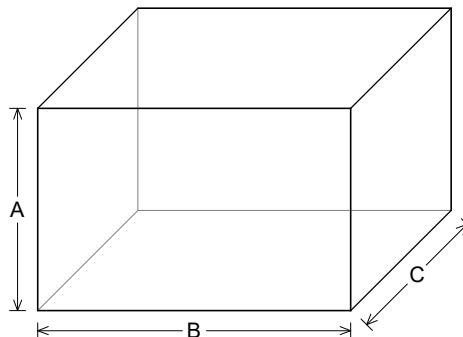
Vent shape = rectangle

Vent ends = one flush

Hv = 1.5 in

Wv = 22.5 in

Lv = 10.05 in



--External Dimensions--

A = 15.5 in

B = 24 in

C = 14.5 in

--Internal Dimensions--

A = 14 in

B = 22.5 in

C = 13 in

--Wall Thickness--

Front = 0.75 in

Side = 0.75 in

## Driver Properties

--Description--

Name: CB3010N-8

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Neo Bass Guitar Driver

--Configuration--

**No. of Drivers = 2**

Mounting = Standard

Wiring = Parallel

Drivers sum coherently = Yes

--Mechanical Parameters--

Fs = 41.62 Hz

Qms = 7.95

Vas = 55.22 liters [110.4]

Cms = 0.28 mm/N [0.14]

Mms = 51.42 g [102.8]

Rms = 1.69 kg/s [3.38]

Xmax = 6.48 mm

Xmech = 14.16 mm

P-Dia = 217.8 mm [308]

Sd = 376.9 sq.cm [753.8]

P-Vd = 0.241 liters [0.483]

--Electrical Parameters--

Qes = 0.25

Re = 5.62 ohms [2.81]

Le = 0.62 mH [0.31]

Z = 8 ohms [4]

BL = 17.22 Tm [17.39]

Pe = 450 watts [900]

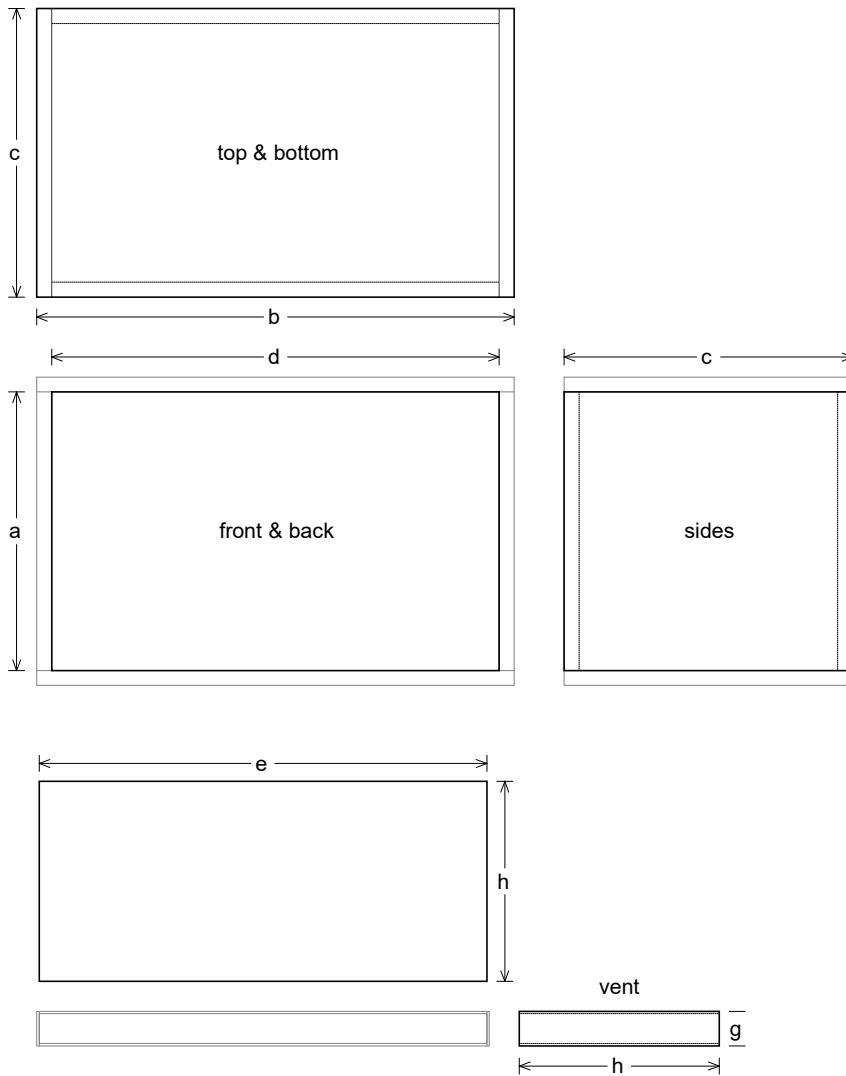
--Electromech. Parameters--

Qts = 0.242

no = 1.535 % [3.071]

1-W SPL = 94.01 dB [97.02]

2.83-V SPL = 95.54 dB [101.6]



**Box Parts**

Box Shape: Square Prism

- 1 Top, 1 Bottom: depth ( $c$ ) = 14.5 in  
width ( $b$ ) = 24, thickness = 0.75 in
- 1 Front, 1 Back: height ( $a$ ) = 14 in  
width ( $d$ ) = 22.5, thickness = 0.75 in
- 2 Sides: height ( $a$ ) = 14 in  
depth ( $c$ ) = 14.5, thickness = 0.75 in

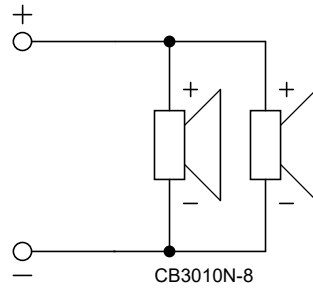
*--Vent Parts--*

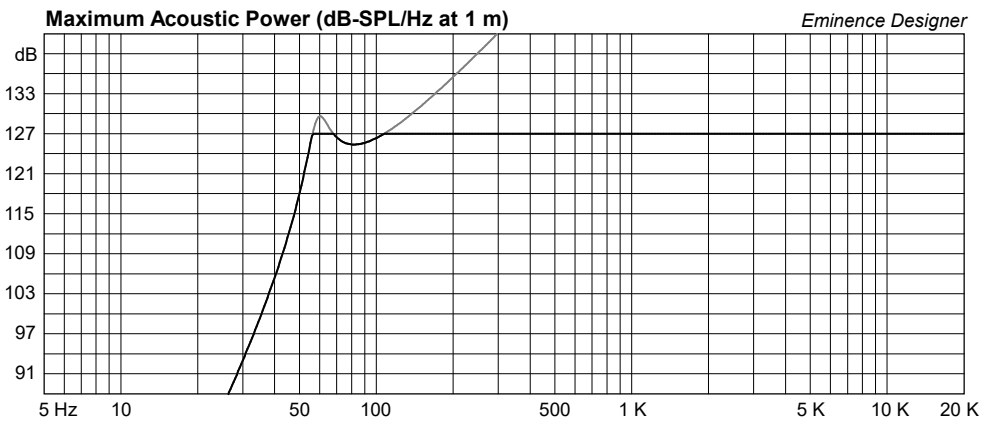
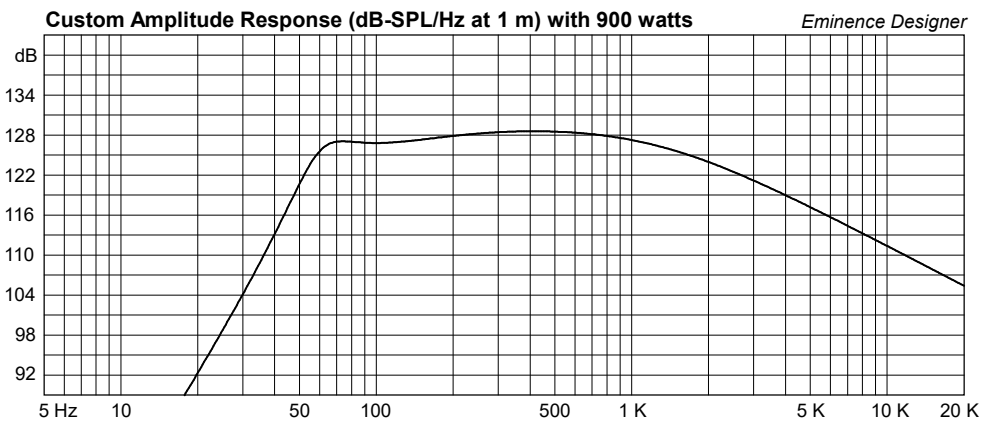
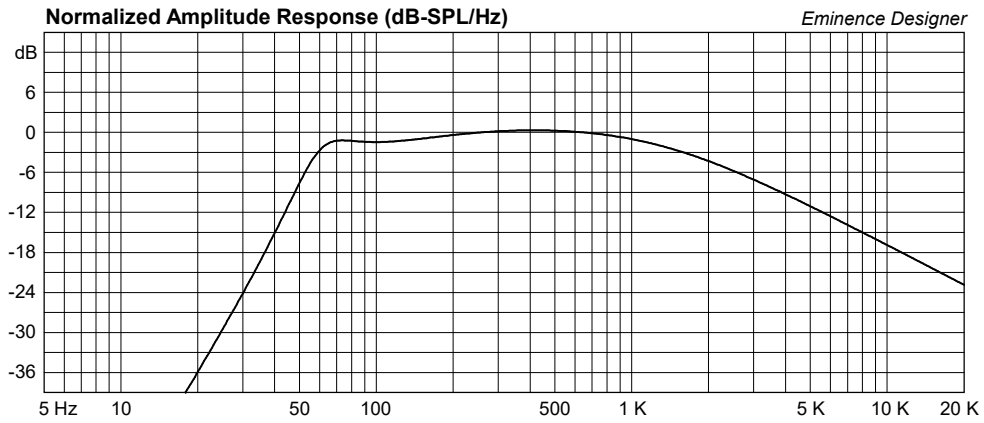
- 1 Top, 1 Bottom:  
width ( $e$ ) = 22.5, length ( $h$ ) = 10.05 in  
thickness = 0.125 in
- 2 Sides:  
height ( $g$ ) = 1.75, length ( $h$ ) = 10.05 in  
thickness = 0.125 in

*--Driver Mounting--*

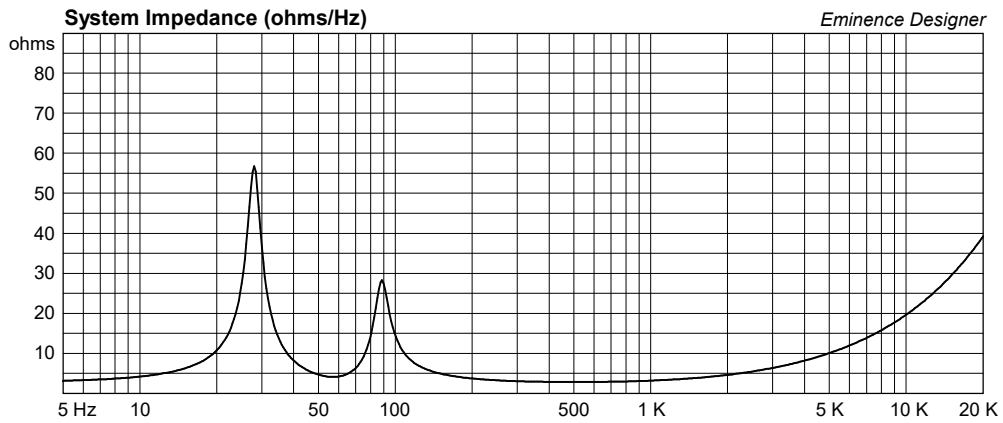
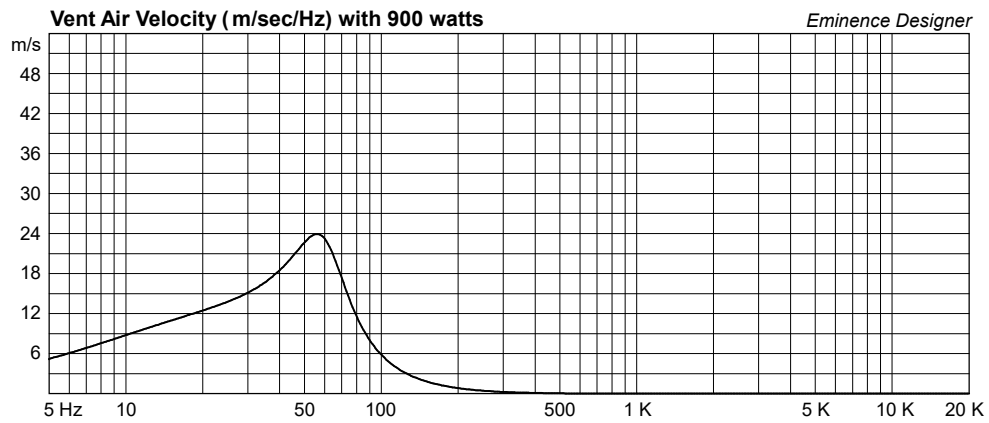
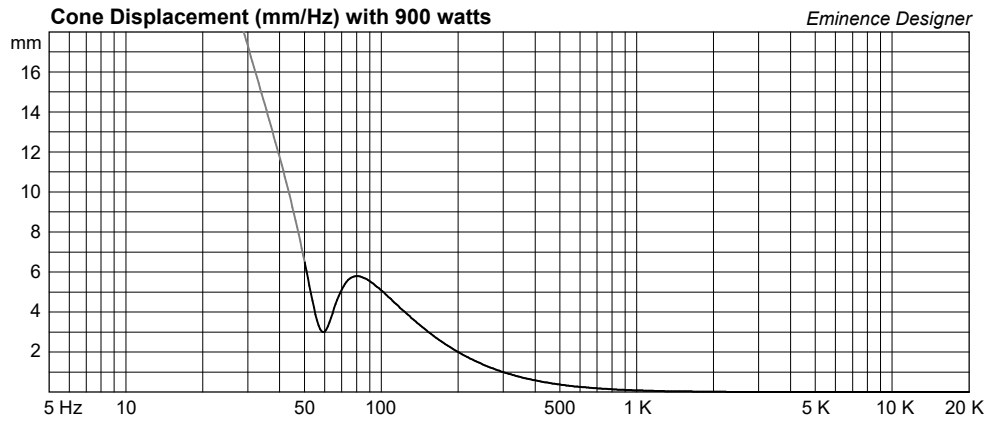
- Mounting: Flush
- Aim: All drivers face same direction

### Wiring Diagram









# CB3010N-8 Small Vented 4x10 Bass Guitar Cab

By Jerry McNutt, Eminence Speaker LLC  
1800 Watt System  
Use Up to a 3600 Watt Amp



## Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 4.256 cu.ft

V(total) = 5.078 cu.ft

Fb = 59 Hz

QL = 7

F3 = 58.25 Hz

Fill = minimal

--Vents--

No. of Vents = 2

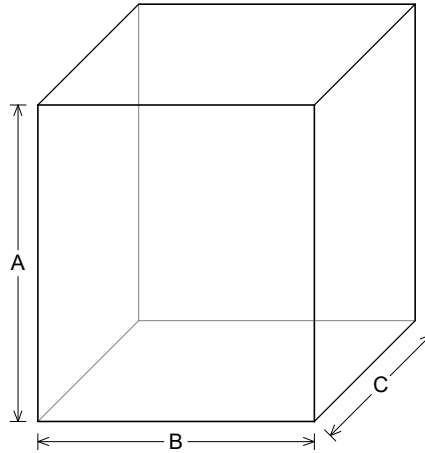
Vent shape = rectangle

Vent ends = one flush

Hv = 1.85 in

Wv = 22.5 in

Lv = 11.11 in



--External Dimensions--

A = 27.5 in

B = 24 in

C = 16.5 in

--Internal Dimensions--

A = 26 in

B = 22.5 in

C = 15 in

--Wall Thickness--

Front = 0.75 in

Side = 0.75 in

## Driver Properties

--Description--

Name: CB3010N-8

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Neo Bass Guitar Driver

--Configuration--

**No. of Drivers = 4**

Mounting = Standard

Wiring = Series-Parallel

Drivers sum coherently = Yes

--Mechanical Parameters--

Fs = 41.62 Hz

Qms = 7.95

Vas = 55.22 liters [220.9]

Cms = 0.28 mm/N [0.07]

Mms = 51.42 g [205.7]

Rms = 1.69 kg/s [6.76]

Xmax = 6.48 mm

Xmech = 14.16 mm

P-Dia = 217.8 mm [435.6]

Sd = 376.9 sq.cm [1508]

P-Vd = 0.241 liters [0.966]

--Electrical Parameters--

Qes = 0.25

Re = 5.62 ohms [5.62]

Le = 0.62 mH [0.62]

Z = 8 ohms [8]

BL = 17.22 Tm [34.77]

Pe = 450 watts [1800]

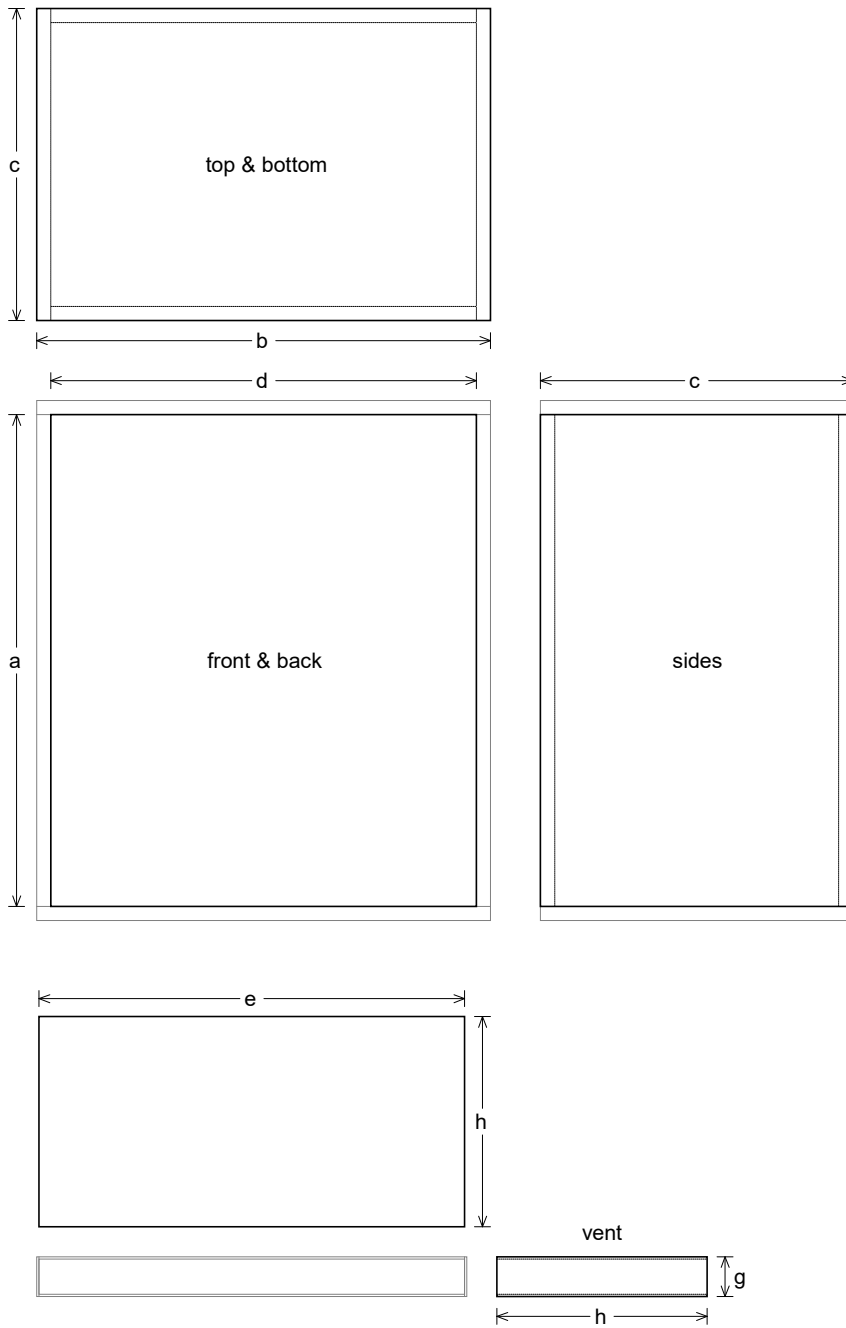
--Electromech. Parameters--

Qts = 0.242

no = 1.535 % [6.141]

1-W SPL = 94.01 dB [100]

2.83-V SPL = 95.54 dB [101.6]



### Box Parts

Box Shape: Square Prism

- 1 Top, 1 Bottom: depth ( $c$ ) = 16.5 in  
width ( $b$ ) = 24, thickness = 0.75 in
- 1 Front, 1 Back: height ( $a$ ) = 26 in  
width ( $d$ ) = 22.5, thickness = 0.75 in
- 2 Sides: height ( $a$ ) = 26 in  
depth ( $c$ ) = 16.5, thickness = 0.75 in

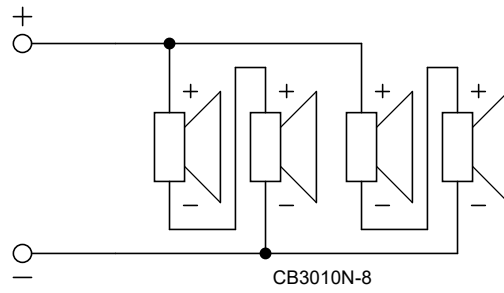
### --Vent Parts--

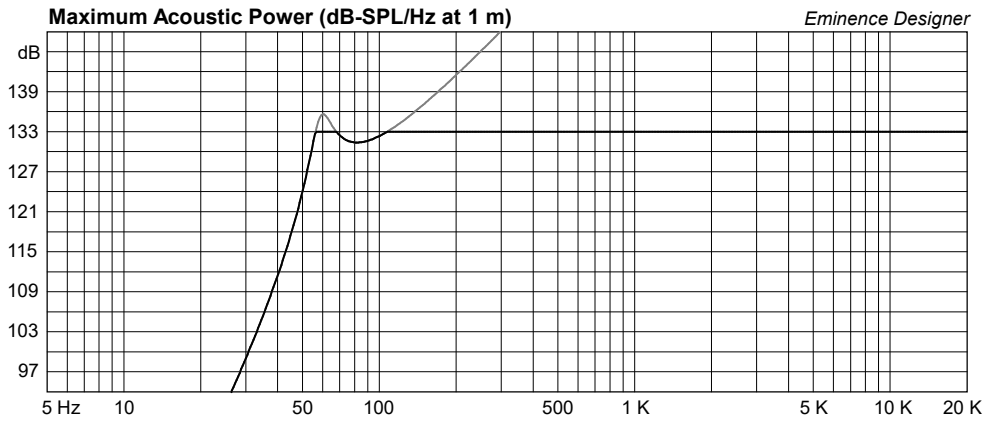
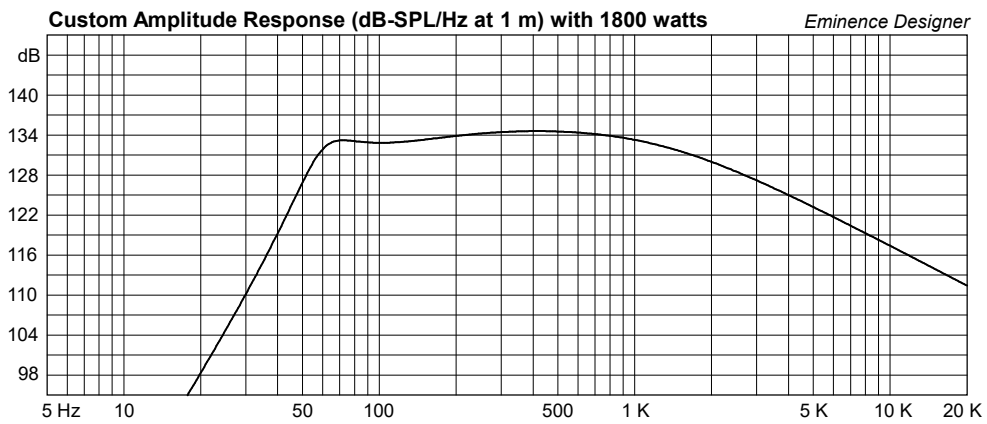
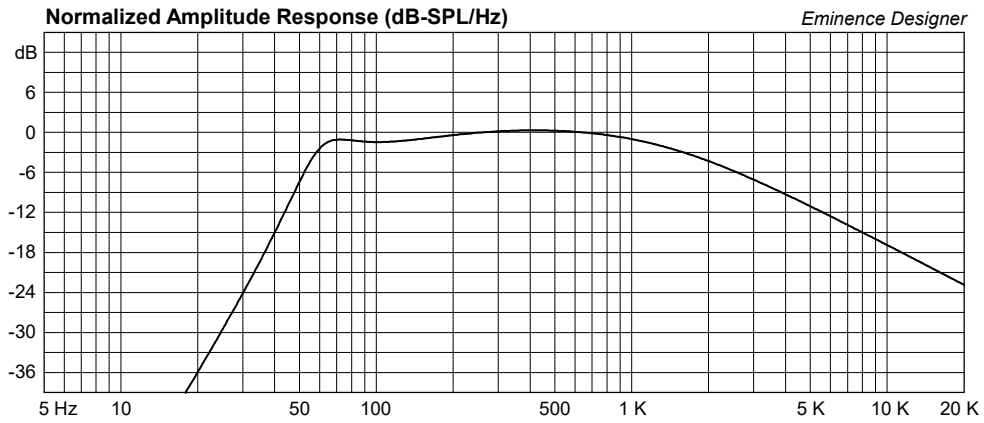
- 2 Tops, 2 Bottoms:  
width ( $e$ ) = 22.5, length ( $h$ ) = 11.11 in  
thickness = 0.125 in
- 4 Sides:  
height ( $g$ ) = 2.1, length ( $h$ ) = 11.11 in  
thickness = 0.125 in

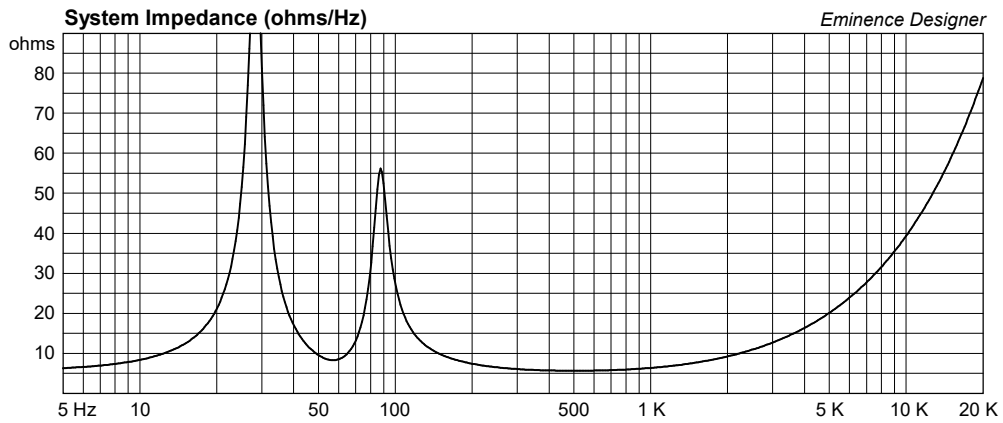
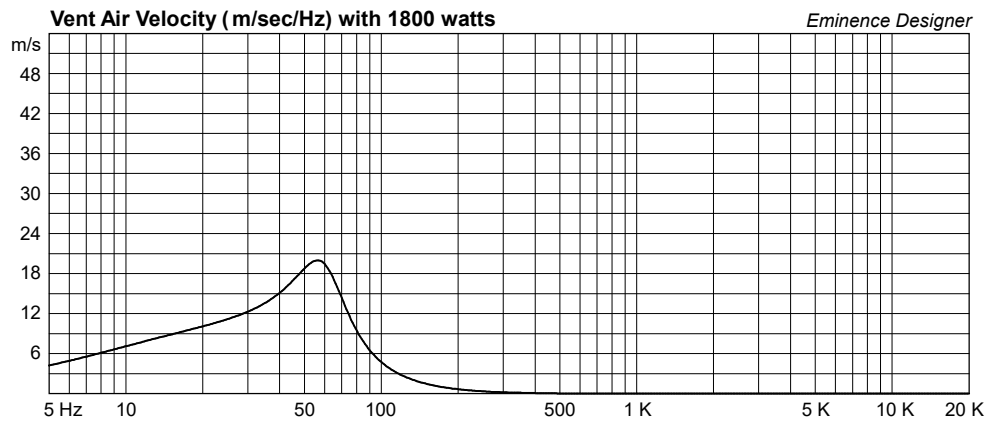
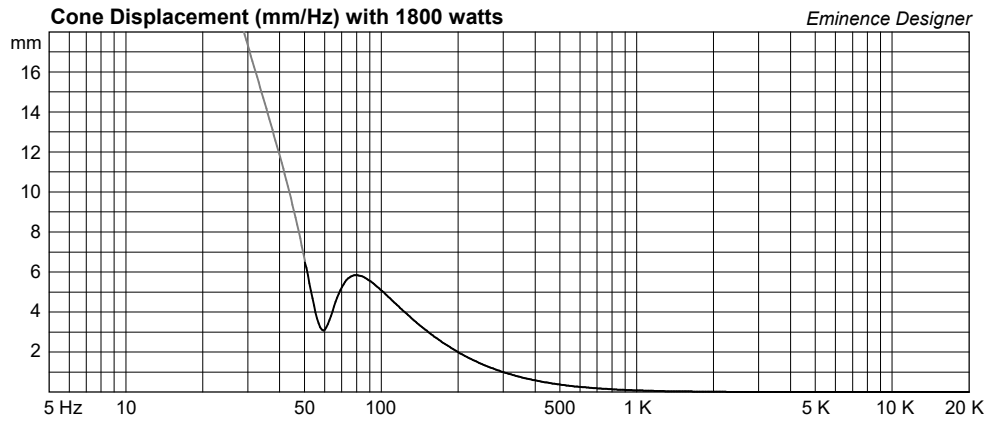
### --Driver Mounting--

- Mounting: Flush
- Aim: All drivers face same direction

### Wiring Diagram







# CB3010N-8 Med Vented Bass Guitar

By Jerry McNutt, Eminence Speaker LLC  
450 Watt System  
Use up to a 900 Watt Amp



## Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 1.263 cu.ft

V(total) = 1.437 cu.ft

Fb = 56 Hz

QL = 7

F3 = 54.73 Hz

Fill = minimal

--Vents--

No. of Vents = 1

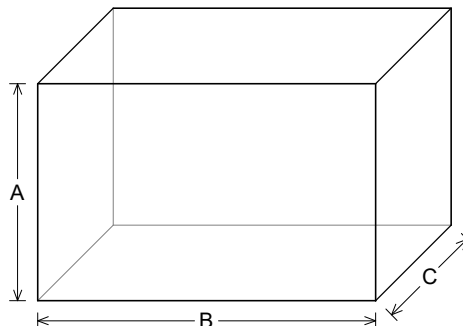
Vent shape = rectangle

Vent ends = one flush

Hv = 13.54 in

Wv = 1.3 in

Lv = 9.823 in



--External Dimensions--

A = 15.04 in

B = 23.41 in

C = 9.869 in

--Internal Dimensions--

A = 13.54 in

B = 21.91 in

C = 8.369 in

--Wall Thickness--

Front = 0.75 in

Side = 0.75 in

## Driver Properties

--Description--

Name: CB3010N-8

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Neo Bass Guitar Driver

--Configuration--

**No. of Drivers = 1**

--Mechanical Parameters--

Fs = 41.62 Hz

Qms = 7.95

Vas = 55.22 liters

Cms = 0.28 mm/N

Mms = 51.42 g

Rms = 1.69 kg/s

Xmax = 6.48 mm

Xmech = 14.16 mm

P-Dia = 217.8 mm

Sd = 376.9 sq.cm

P-Vd = 0.241 liters

--Electrical Parameters--

Qes = 0.25

Re = 5.62 ohms

Le = 0.62 mH

Z = 8 ohms

BL = 17.22 Tm

Pe = 450 watts

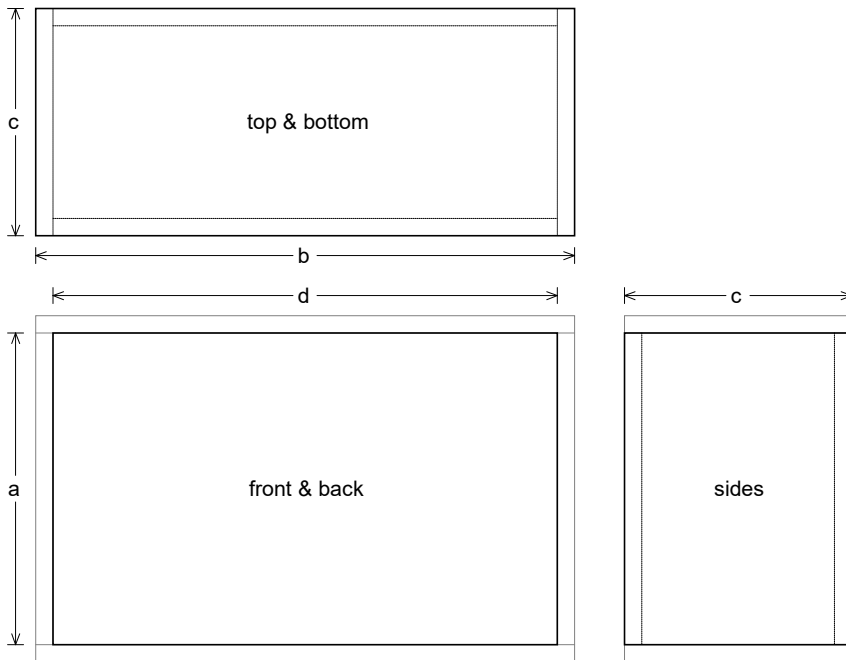
--Electromech. Parameters--

Qts = 0.242

no = 1.535 %

1-W SPL = 94.01 dB

2.83-V SPL = 95.54 dB



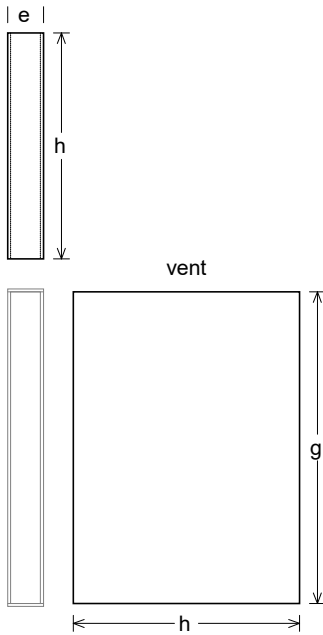
**Box Parts**

Box Shape: Optimum Square Prism  
1 Top, 1 Bottom: depth (*c*) = 9.869 in  
width (*b*) = 23.41, thickness = 0.75 in  
1 Front, 1 Back: height (*a*) = 13.54 in  
width (*d*) = 21.91, thickness = 0.75 in  
2 Sides: height (*a*) = 13.54 in  
depth (*c*) = 9.869, thickness = 0.75 in

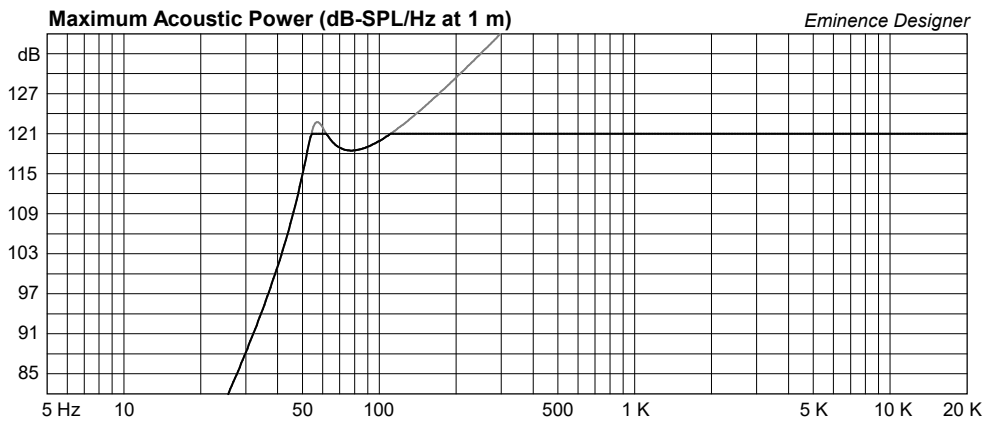
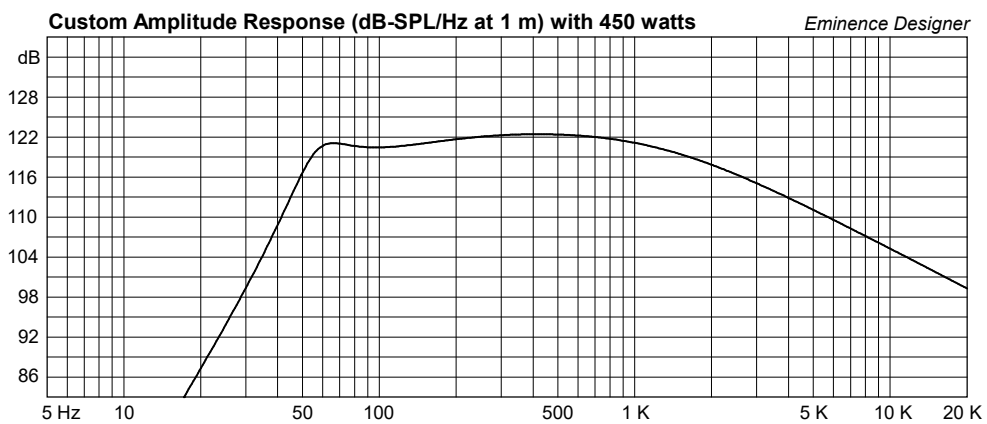
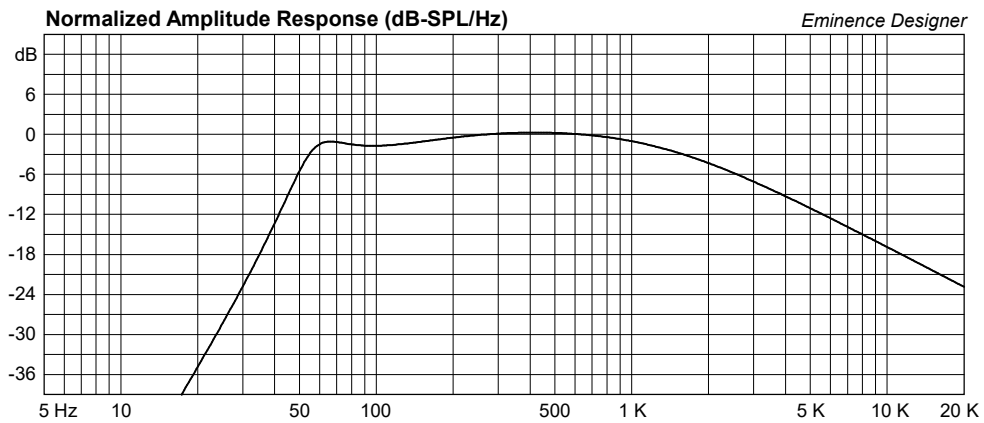
**--Vent Parts--**

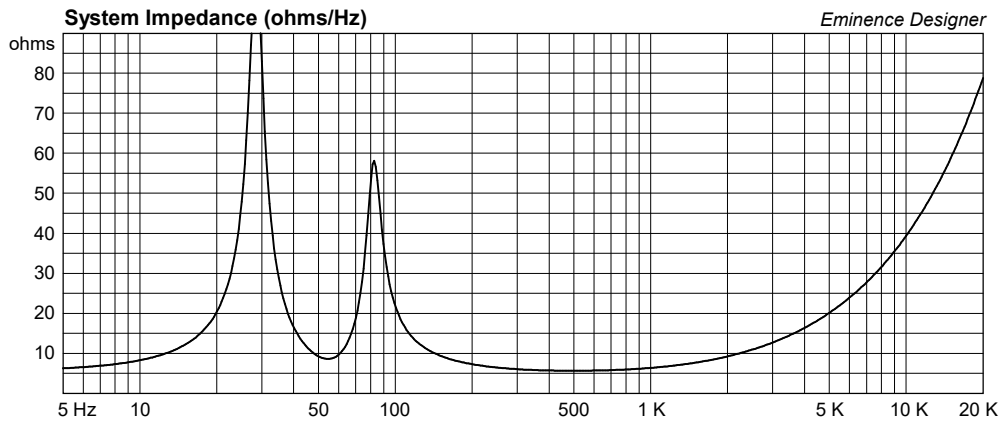
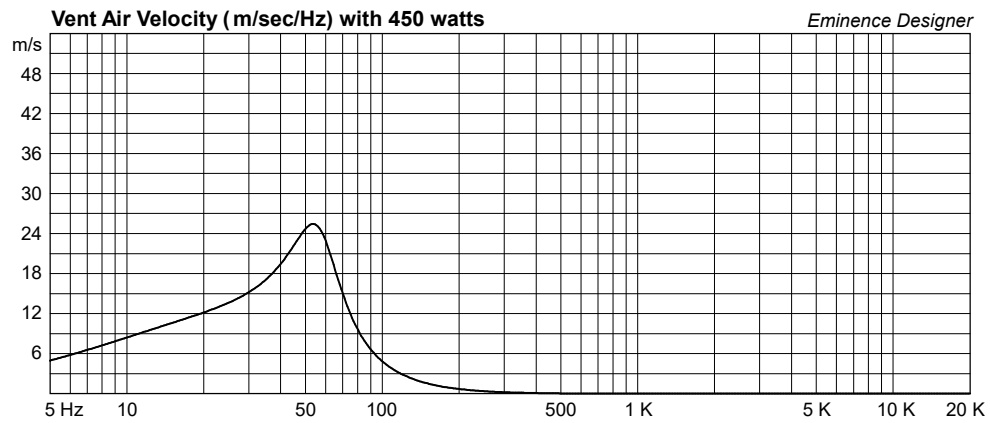
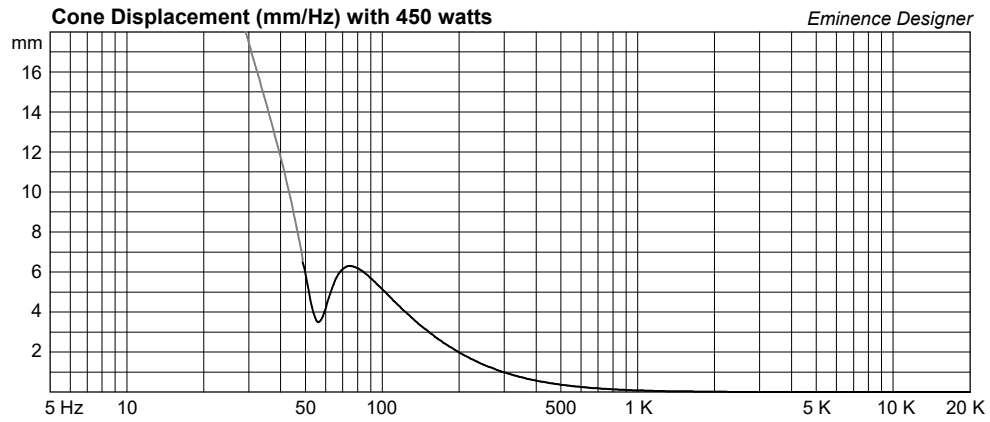
1 Top, 1 Bottom:  
width (*e*) = 1.55, length (*h*) = 9.823 in  
thickness = 0.125 in  
2 Sides:  
height (*g*) = 13.54, length (*h*) = 9.823 in  
thickness = 0.125 in

**--Driver Mounting--**  
Mounting: Flush









# CB3010N-8 Large Vented Bass Guitar Cab

By Jerry McNutt, Eminence Speaker LLC  
350 Watt System  
Use up to a 700 Watt Amp



## Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 1.48 cu.ft

V(total) = 1.782 cu.ft

Fb = 55 Hz

QL = 7

F3 = 52.3 Hz

Fill = minimal

--Vents--

No. of Vents = 1

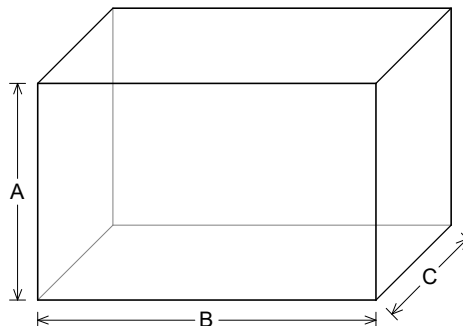
Vent shape = rectangle

Vent ends = one flush

Hv = 14.55 in

Wv = 1.9 in

Lv = 13.73 in



--External Dimensions--

A = 16.05 in

B = 25.04 in

C = 10.49 in

--Internal Dimensions--

A = 14.55 in

B = 23.54 in

C = 8.991 in

--Wall Thickness--

Front = 0.75 in

Side = 0.75 in

## Driver Properties

--Description--

Name: CB3010N-8

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Neo Bass Guitar Driver

--Configuration--

**No. of Drivers = 1**

--Mechanical Parameters--

Fs = 41.62 Hz

Qms = 7.95

Vas = 55.22 liters

Cms = 0.28 mm/N

Mms = 51.42 g

Rms = 1.69 kg/s

Xmax = 6.48 mm

Xmech = 14.16 mm

P-Dia = 217.8 mm

Sd = 376.9 sq.cm

P-Vd = 0.241 liters

--Electrical Parameters--

Qes = 0.25

Re = 5.62 ohms

Le = 0.62 mH

Z = 8 ohms

BL = 17.22 Tm

Pe = 450 watts

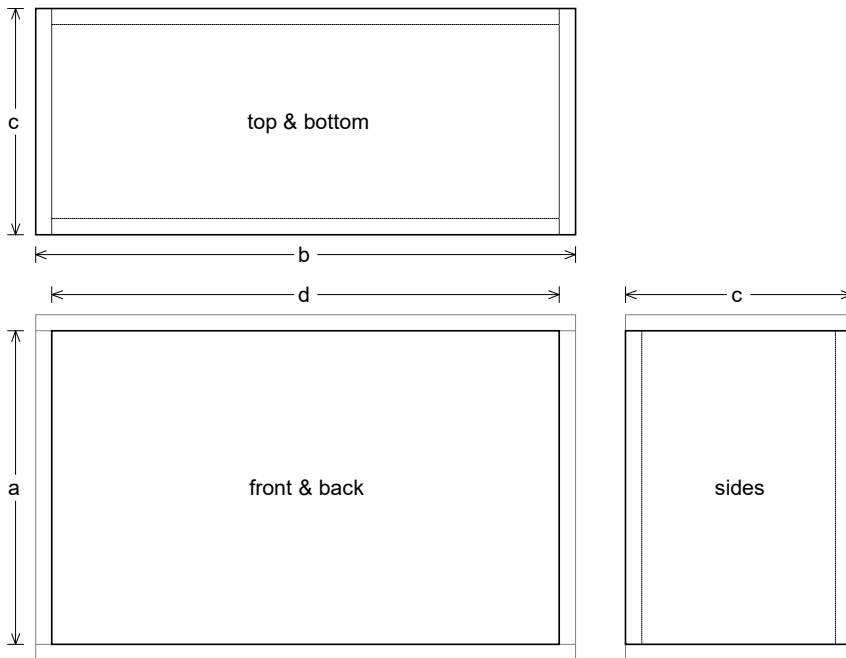
--Electromech. Parameters--

Qts = 0.242

no = 1.535 %

1-W SPL = 94.01 dB

2.83-V SPL = 95.54 dB



**Box Parts**

Box Shape: Optimum Square Prism  
1 Top, 1 Bottom: depth (c) = 10.49 in  
width (b) = 25.04, thickness = 0.75 in  
1 Front, 1 Back: height (a) = 14.55 in  
width (d) = 23.54, thickness = 0.75 in  
2 Sides: height (a) = 14.55 in  
depth (c) = 10.49, thickness = 0.75 in

**--Vent Parts--**

1 Top, 1 Bottom:  
width (e) = 2.15, length (h) = 13.73 in  
thickness = 0.125 in  
2 Sides:  
height (g) = 14.55, length (h) = 13.73 in  
thickness = 0.125 in

**--Driver Mounting--**  
Mounting: Flush

