

DeltaLite-II 2512 Larger 1x12 Bass Guitar Cabinet

By Jerry McNutt, Eminence Speaker LLC

Displacement Limited to 125 Watts; F3 of 64 Hz. Use a steep high pass filter set to 35 Hz to protect your woofer.



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 63.71 liters

V(total) = 68.87 liters

Fb = 44 Hz

QL = 7

F3 = 63.69 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 3 in

Lv = 5.529 in

Driver Properties

--Description--

Name: DeltaLite-II 2512

Type: Standard one-way driver

Comment: Updated 12/6/12 JMc

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 43.52 Hz

Qms = 4.17

Vas = 134.9 liters

Cms = 0.36 mm/N

Mms = 36.75 g

Rms = 2.41 kg/s

Xmax = 4.9 mm

Xmech = 8.5 mm

P-Dia = 255.7 mm

Sd = 519.5 sq.cm

P-Vd = 0.252 liters

--Electrical Parameters--

Qes = 0.45

Re = 5.17 ohms

Le = 0.43 mH

Z = 8 ohms

BL = 10.69 Tm

Pe = 250 watts

--Electromech. Parameters--

Qts = 0.406

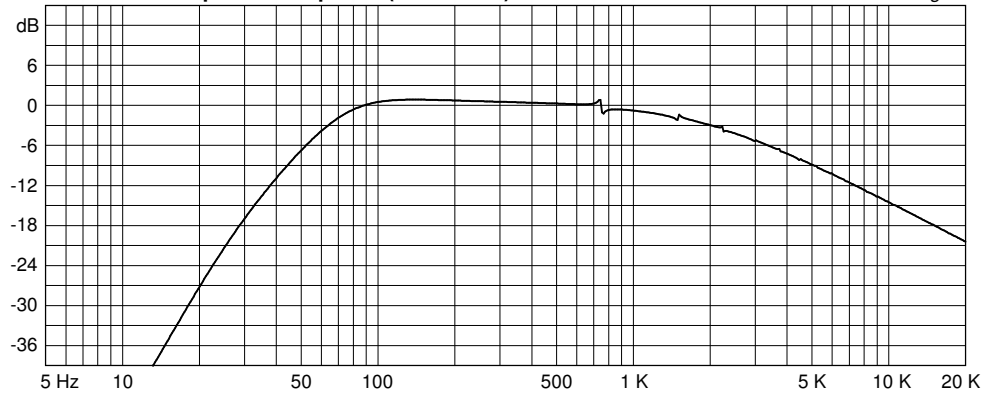
no = 2.382 %

1-W SPL = 95.92 dB

2.83-V SPL = 97.81 dB

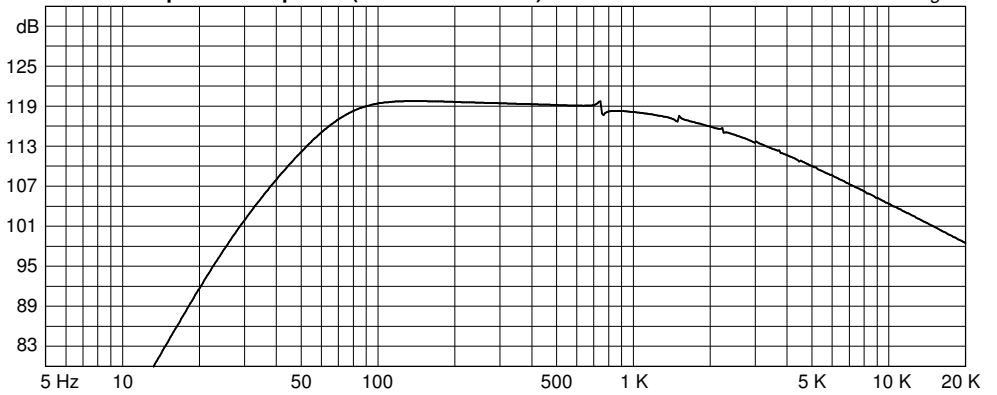
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



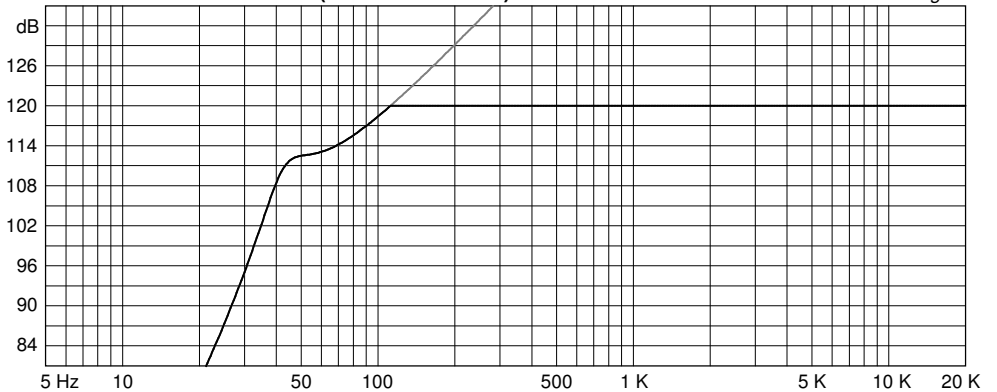
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 125 watts

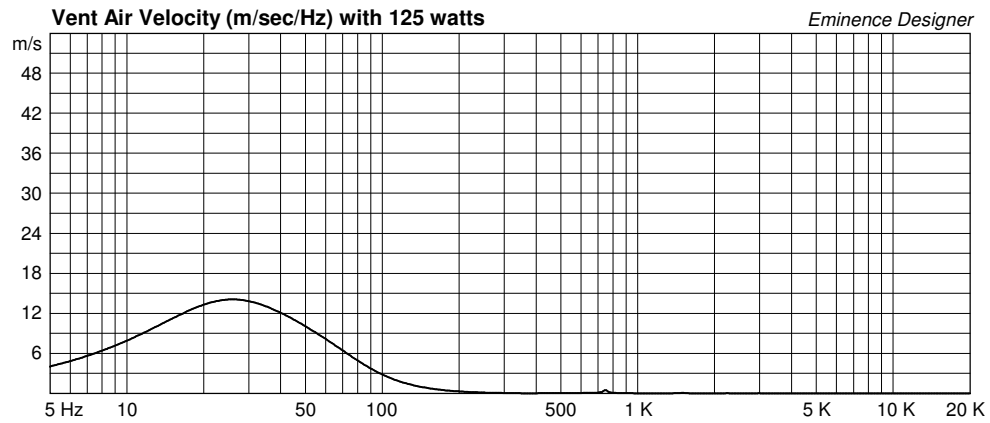
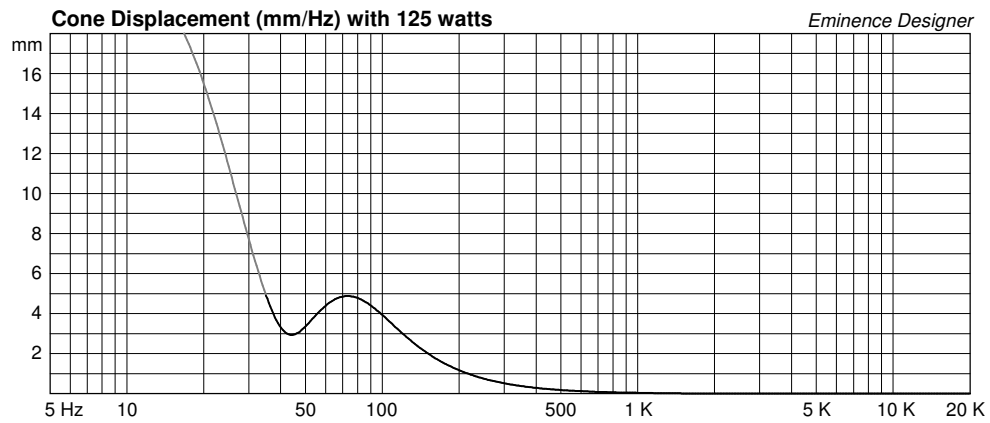
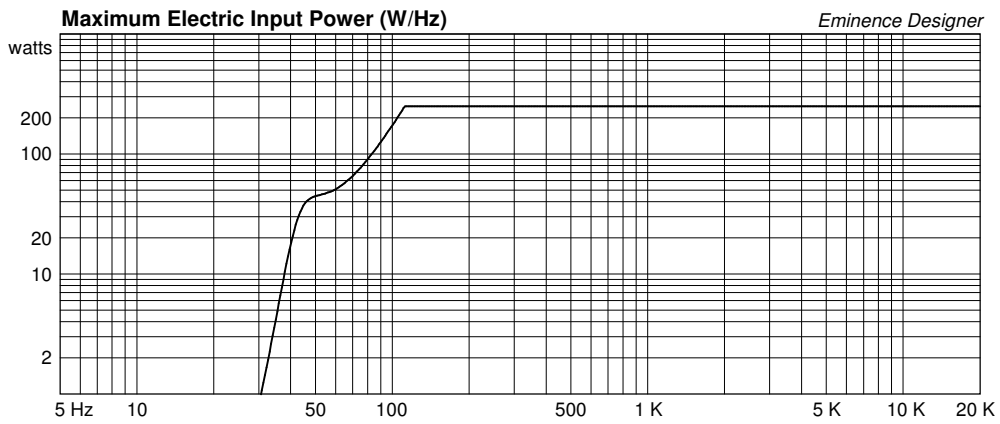
Eminence Designer

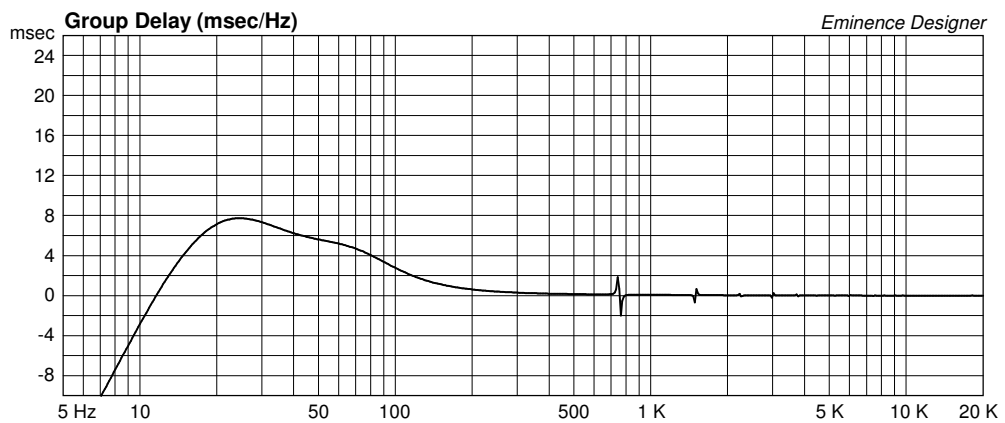
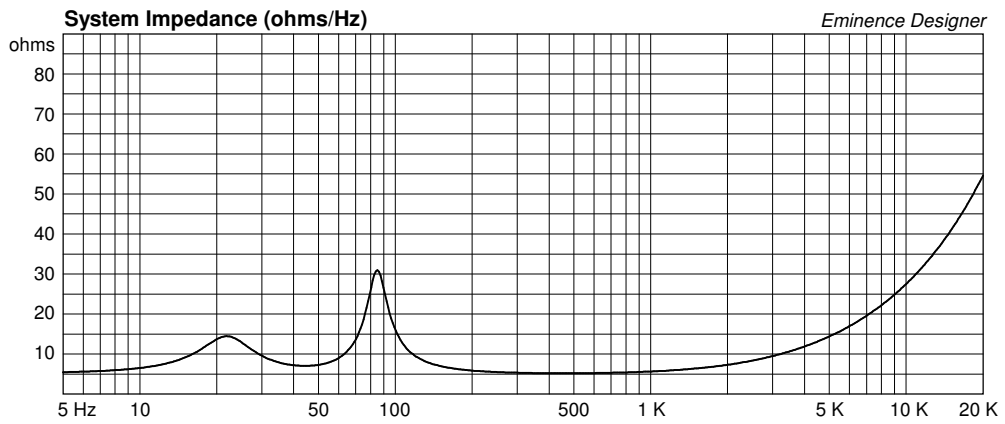


Maximum Acoustic Power (dB-SPL/Hz at 1 m)

Eminence Designer







DeltaLite-II 2512 Larger Vented Cab, PA or Bass Guitar

By Jerry McNutt, Eminence Speaker LLC

Displacement Limited to 100 Watts; F3 of 59 Hz. Use a steep high pass filter set to 40 Hz to protect your woofer.



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 112.8 liters

V(total) = 117.5 liters

Fb = 50 Hz

QL = 7

F3 = 58.71 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 2.319 in

Driver Properties

--Description--

Name: DeltaLite-II 2512

Type: Standard one-way driver

Comment: Updated 12/6/12 JMc

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 43.52 Hz

Qms = 4.17

Vas = 134.9 liters

Cms = 0.36 mm/N

Mms = 36.75 g

Rms = 2.41 kg/s

Xmax = 4.9 mm

Xmech = 8.5 mm

P-Dia = 255.7 mm

Sd = 519.5 sq.cm

P-Vd = 0.252 liters

--Electrical Parameters--

Qes = 0.45

Re = 5.17 ohms

Le = 0.43 mH

Z = 8 ohms

BL = 10.69 Tm

Pe = 250 watts

--Electromech. Parameters--

Qts = 0.406

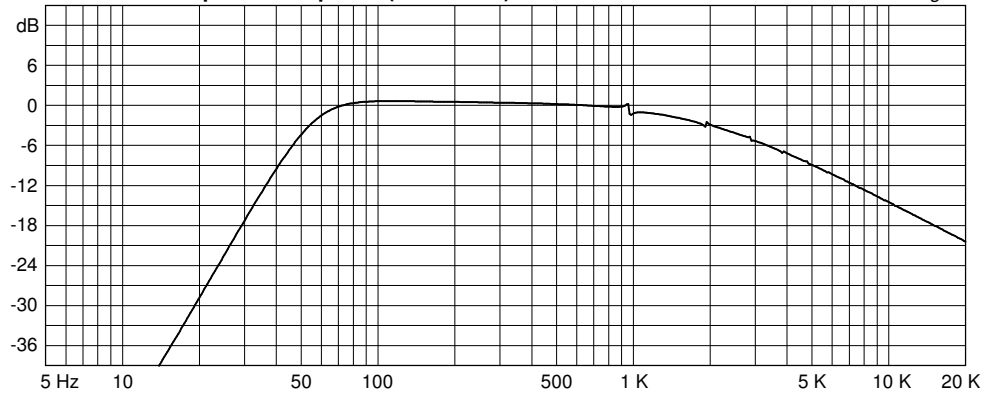
no = 2.382 %

1-W SPL = 95.92 dB

2.83-V SPL = 97.81 dB

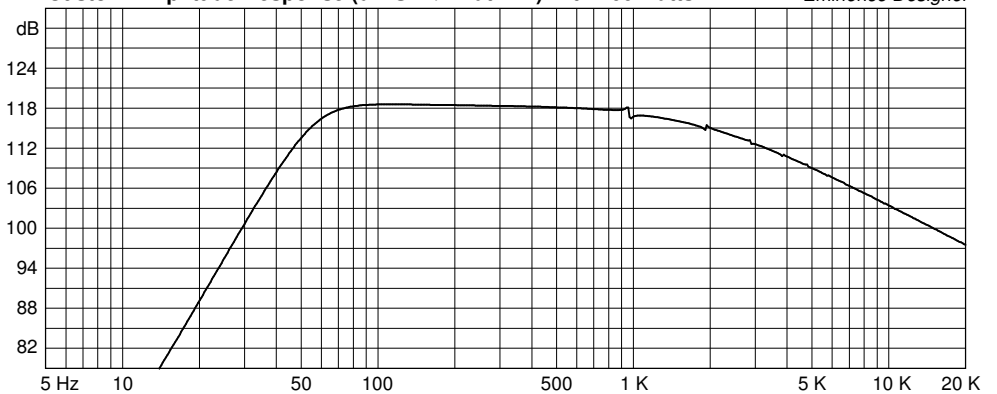
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



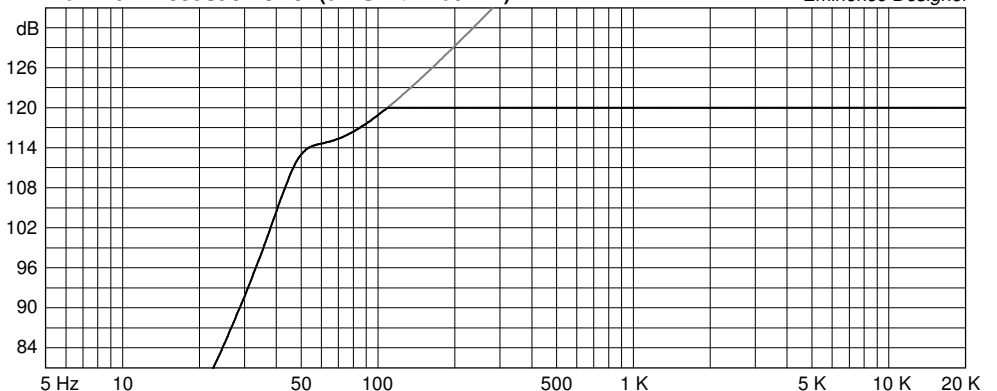
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 100 watts

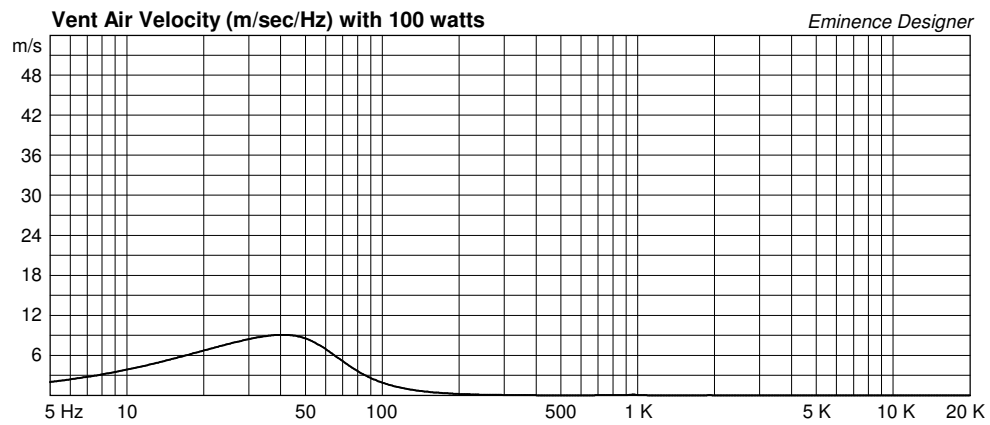
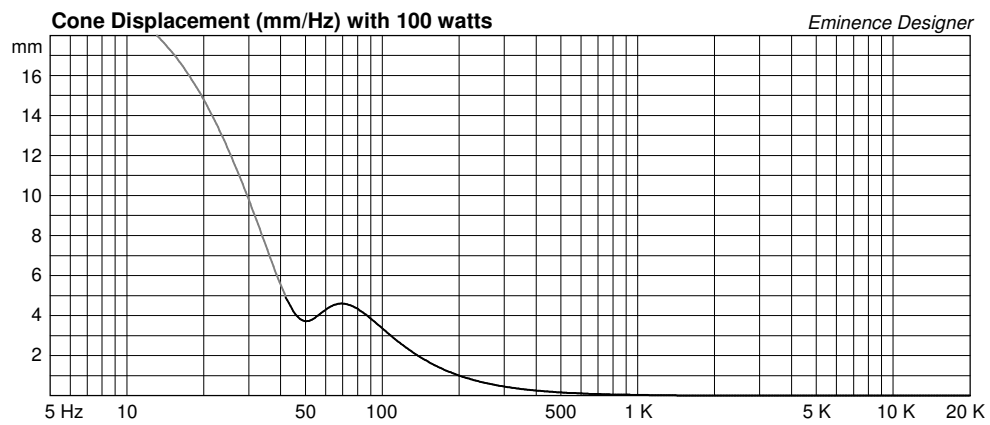
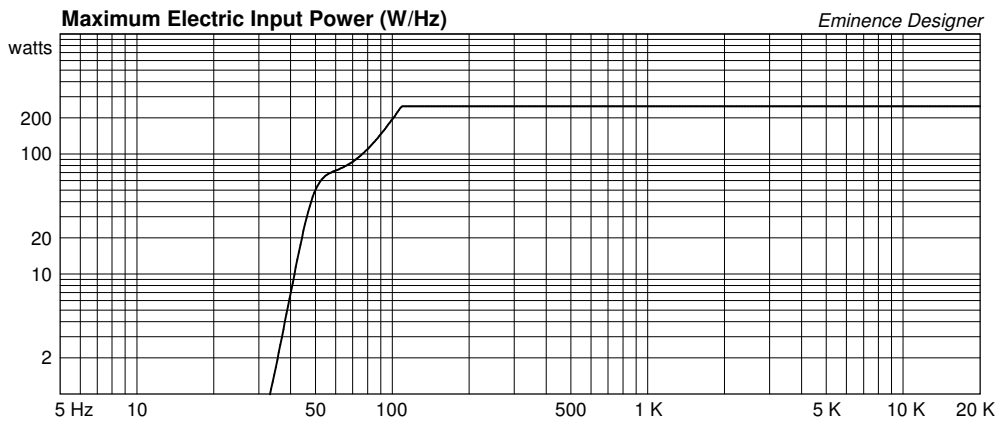
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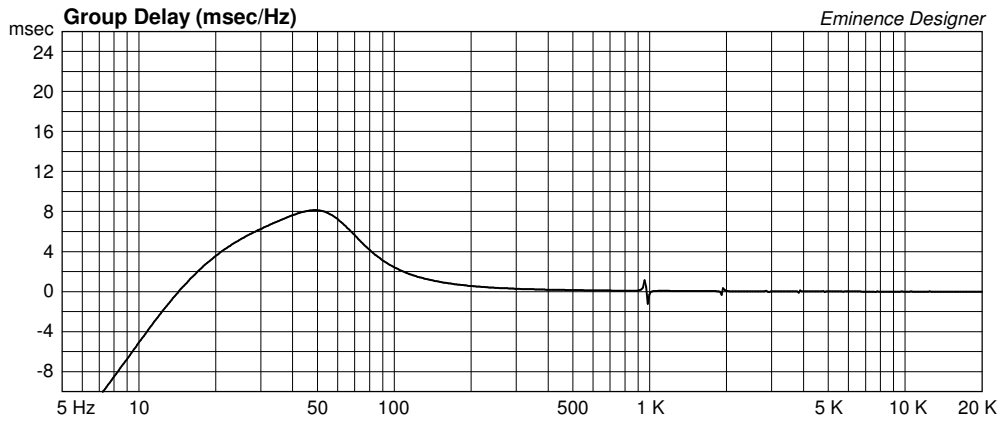
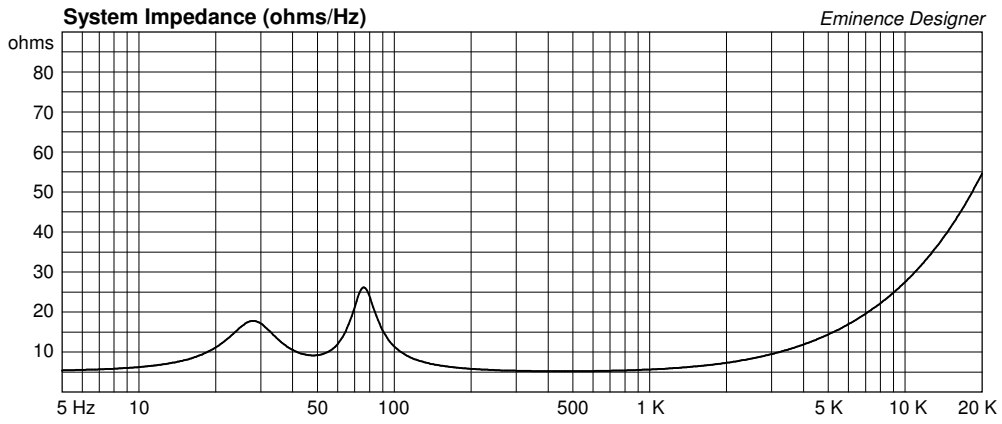


Maximum Acoustic Power (dB-SPL/Hz at 1 m)

Eminence Designer







DeltaLite-II 2512 Small Sealed mid/Hi Sat or Vocal We

By Jerry McNutt, Eminence Speaker LLC

Displacement Limited to 200 Watts; F3 of 88 Hz. Use a steep high pass filter set to 80 Hz to protect your woofer.



Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 1.065 cu.ft

V(total) = 1.192 cu.ft

Qtc = 0.809

QL = 20

F3 = 88.18 Hz

Fill = normal

Driver Properties

--Description--

Name: DeltaLite-II 2512

Type: Standard one-way driver

Comment: Updated 12/6/12 JMc

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 43.52 Hz

Qms = 4.17

Vas = 134.9 liters

Cms = 0.36 mm/N

Mms = 36.75 g

Rms = 2.41 kg/s

Xmax = 4.9 mm

Xmech = 8.5 mm

P-Dia = 255.7 mm

Sd = 519.5 sq.cm

P-Vd = 0.252 liters

--Electrical Parameters--

Qes = 0.45

Re = 5.17 ohms

Le = 0.43 mH

Z = 8 ohms

BL = 10.69 Tm

Pe = 250 watts

--Electromech. Parameters--

Qts = 0.406

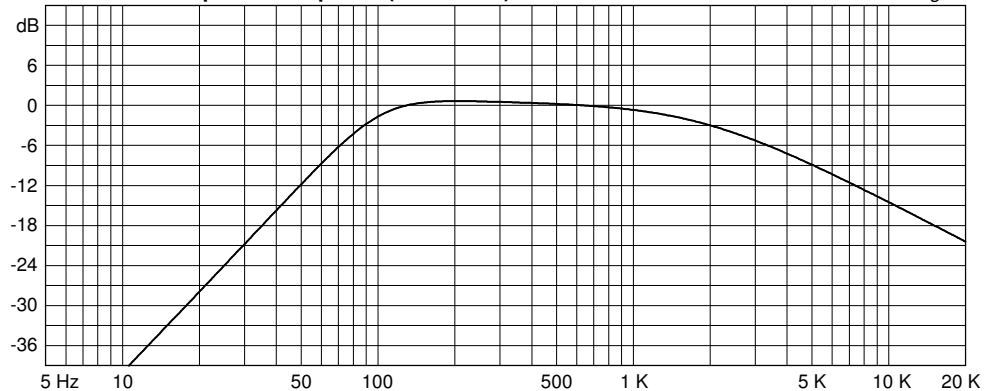
no = 2.382 %

1-W SPL = 95.92 dB

2.83-V SPL = 97.81 dB

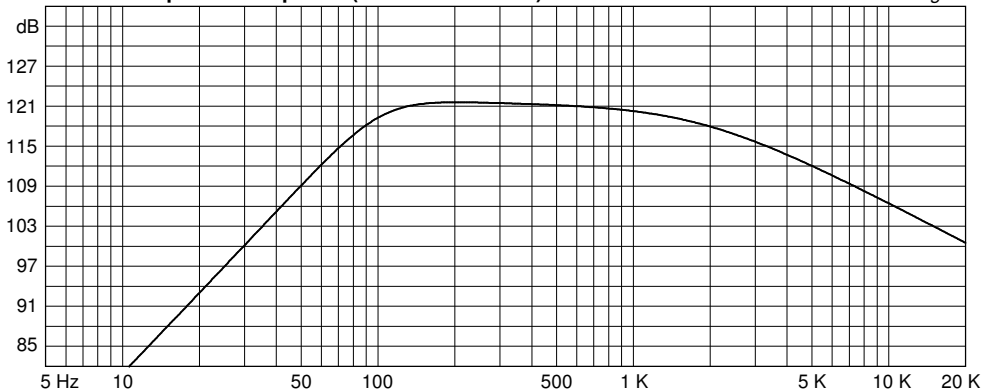
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



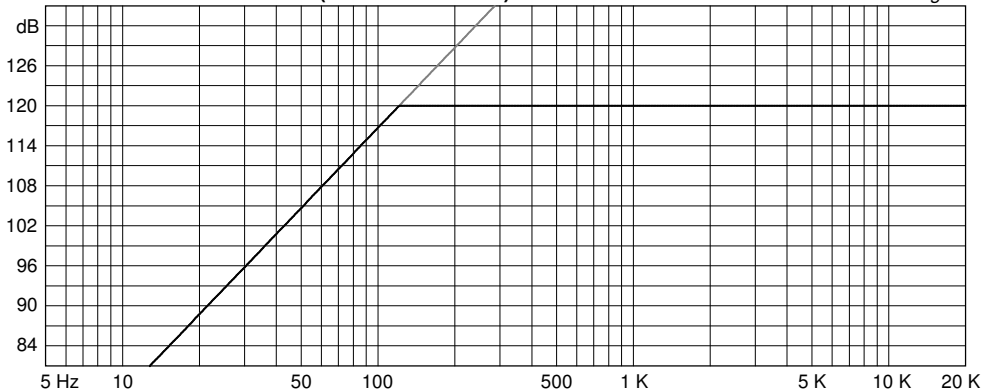
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 200 watts

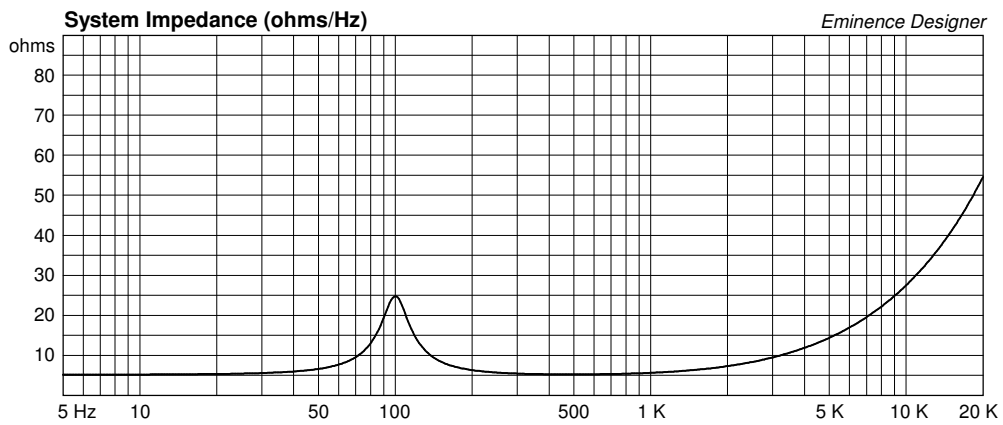
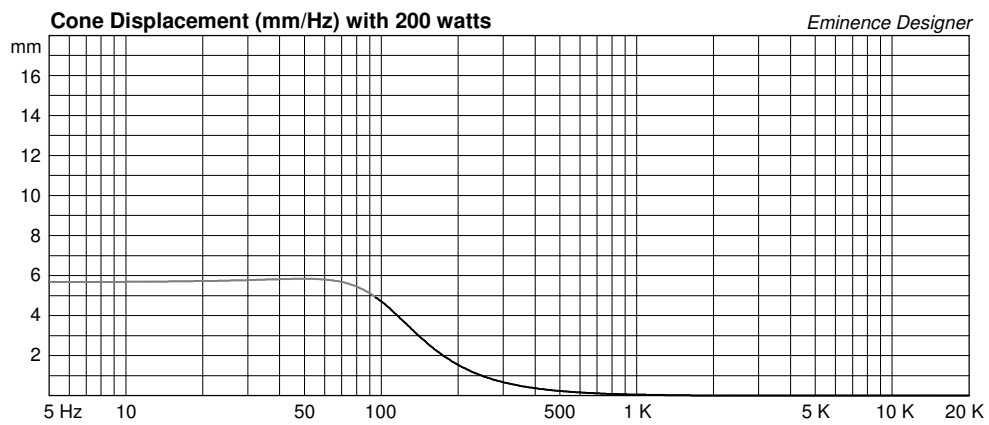
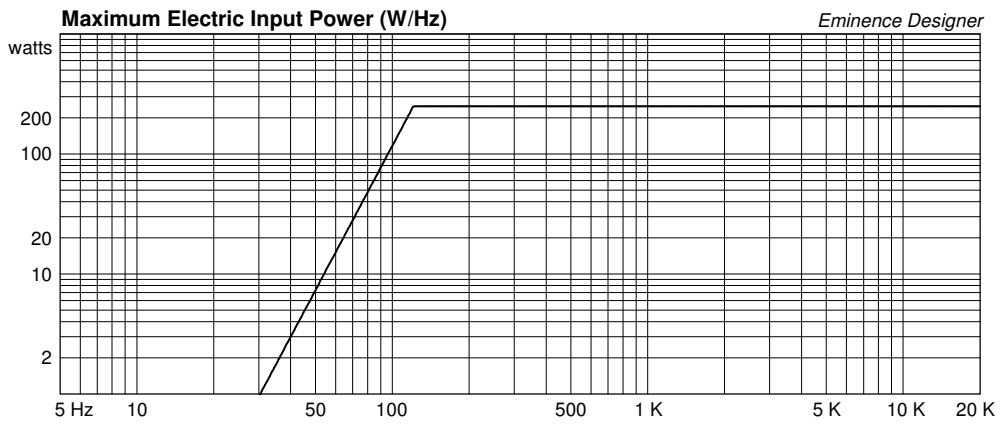
Eminence Designer

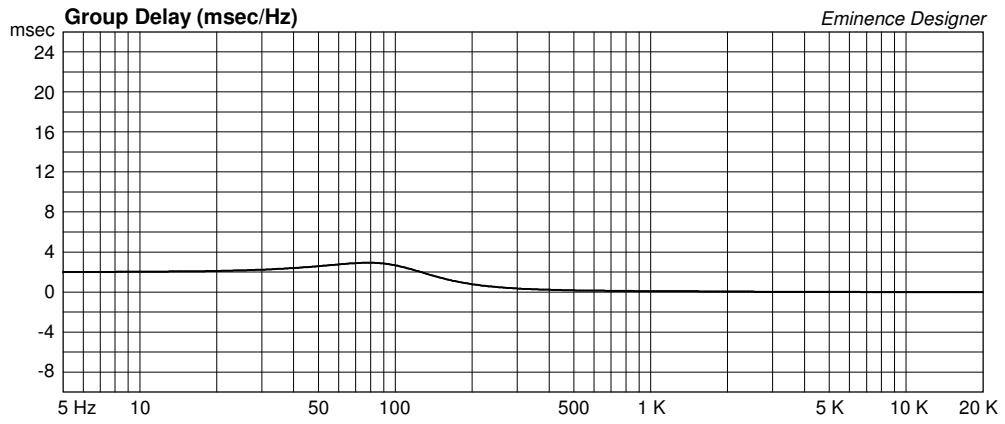


Maximum Acoustic Power (dB-SPL/Hz at 1 m)

Eminence Designer







DeltaLite-II 2512 Small Vented 1x12 Bass Guitar Cabir

By Jerry McNutt, Eminence Speaker LLC

Displacement Limited to 175 Watts; F3 of 73Hz. Use a steep high pass filter set to 40 Hz to protect your woofer.



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 1.38 cu.ft

V(total) = 1.546 cu.ft

Fb = 55 Hz

QL = 7

F3 = 72.81 Hz

Fill = minimal

--Vents--

No. of Vents = 1

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 4.438 in

Driver Properties

--Description--

Name: DeltaLite-II 2512

Type: Standard one-way driver

Comment: Updated 12/6/12 JMc

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 43.52 Hz

Qms = 4.17

Vas = 134.9 liters

Cms = 0.36 mm/N

Mms = 36.75 g

Rms = 2.41 kg/s

Xmax = 4.9 mm

Xmech = 8.5 mm

P-Dia = 255.7 mm

Sd = 519.5 sq.cm

P-Vd = 0.252 liters

--Electrical Parameters--

Qes = 0.45

Re = 5.17 ohms

Le = 0.43 mH

Z = 8 ohms

BL = 10.69 Tm

Pe = 250 watts

--Electromech. Parameters--

Qts = 0.406

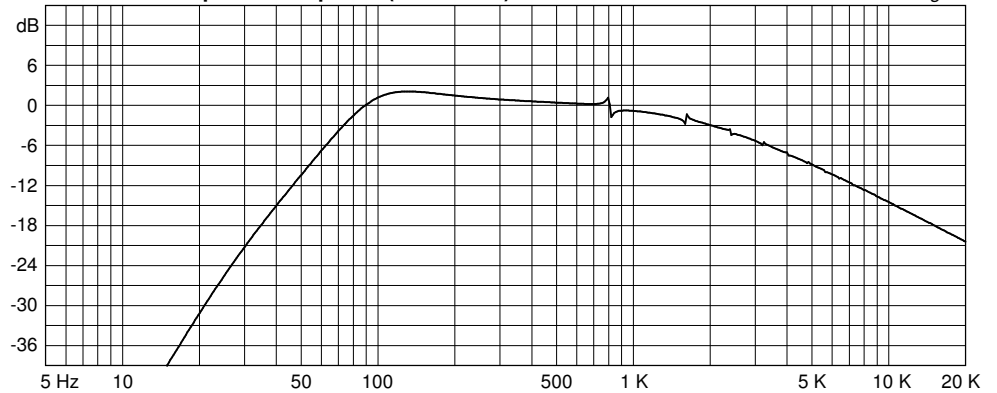
no = 2.382 %

1-W SPL = 95.92 dB

2.83-V SPL = 97.81 dB

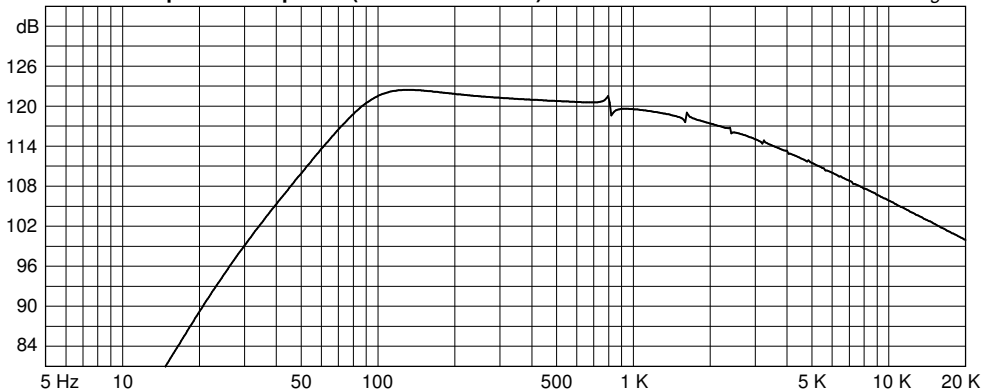
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



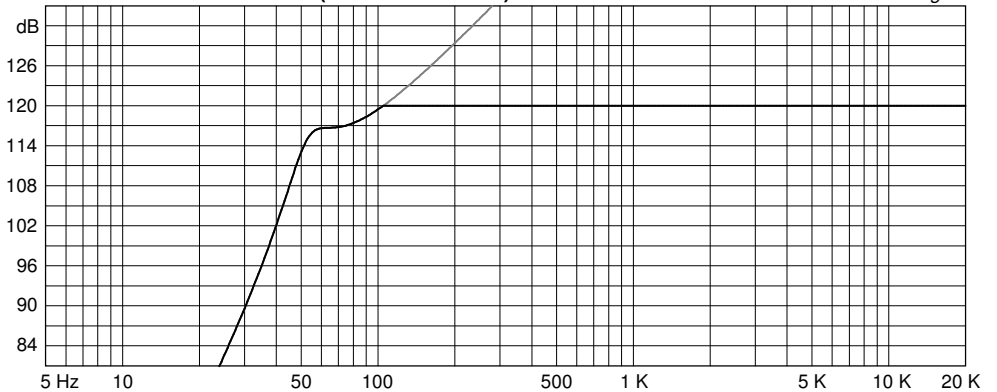
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 175 watts

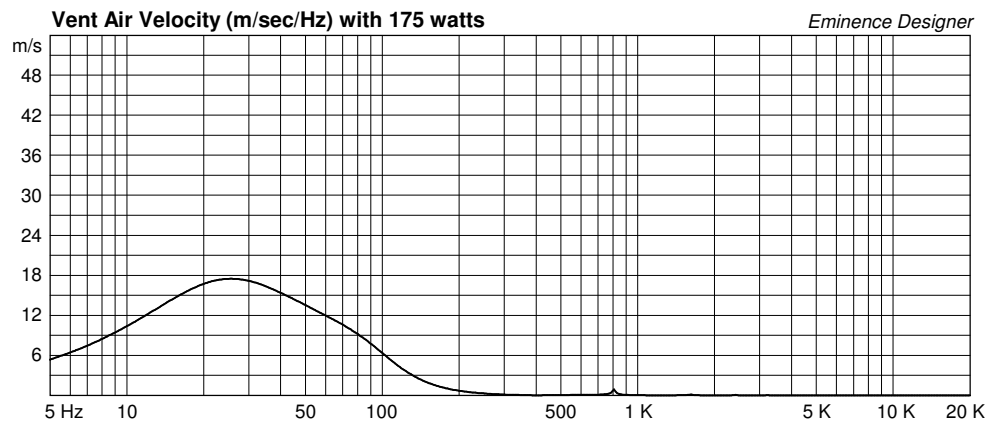
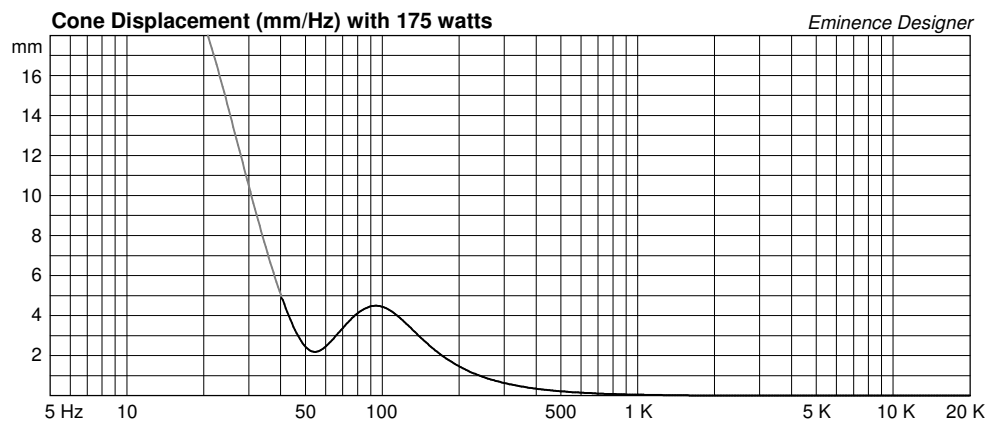
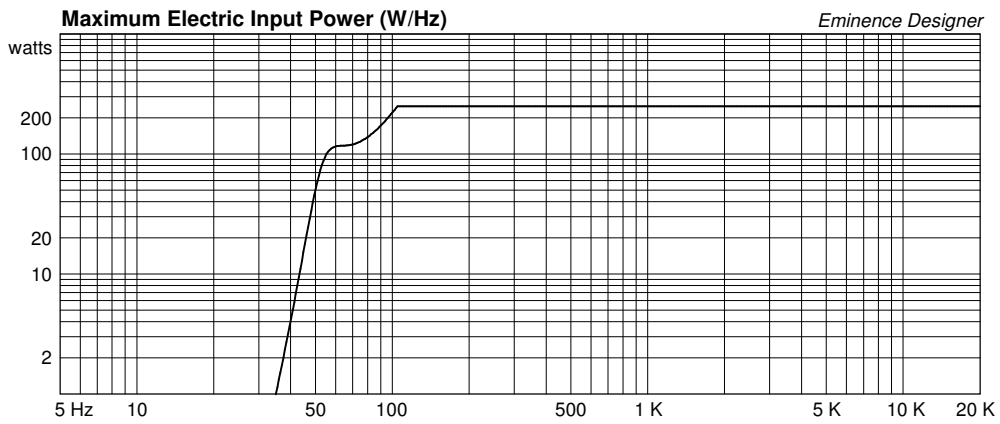
Eminence Designer

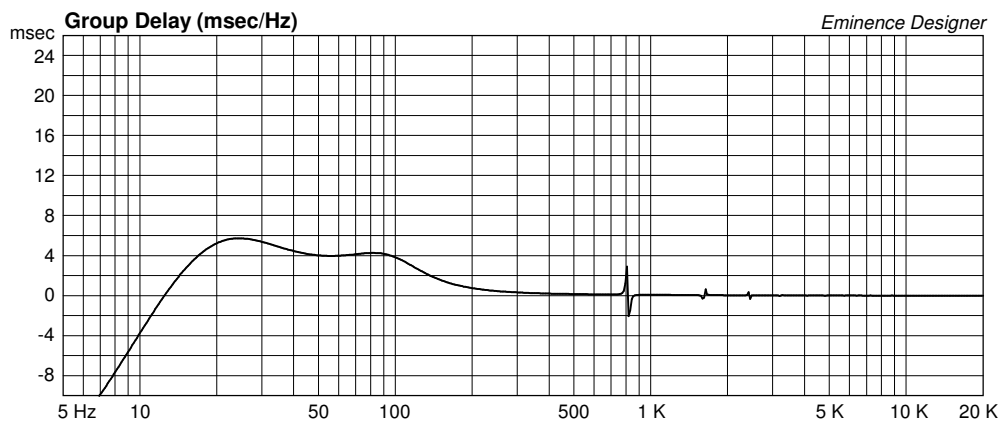
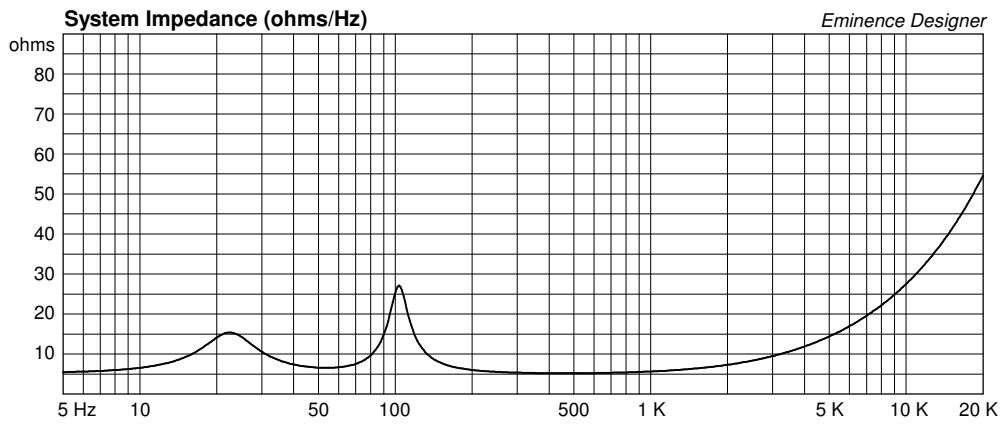


Maximum Acoustic Power (dB-SPL/Hz at 1 m)

Eminence Designer







DeltaLite-II 2512 Small Vented Hi Pwr Sat or Vocal Mo

By Jerry McNutt, Eminence Speaker LLC

Displacement Limited to 250 Watts; F3 of 82 Hz. Use a steep high pass filter set to 50 Hz to protect your woofer.



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 1 cu.ft

V(total) = 1.165 cu.ft

Fb = 65 Hz

QL = 7

F3 = 81.65 Hz

Fill = minimal

--Vents--

No. of Vents = 1

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 4.337 in

Driver Properties

--Description--

Name: DeltaLite-II 2512

Type: Standard one-way driver

Comment: Updated 12/6/12 JMc

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 43.52 Hz

Qms = 4.17

Vas = 134.9 liters

Cms = 0.36 mm/N

Mms = 36.75 g

Rms = 2.41 kg/s

Xmax = 4.9 mm

Xmech = 8.5 mm

P-Dia = 255.7 mm

Sd = 519.5 sq.cm

P-Vd = 0.252 liters

--Electrical Parameters--

Qes = 0.45

Re = 5.17 ohms

Le = 0.43 mH

Z = 8 ohms

BL = 10.69 Tm

Pe = 250 watts

--Electromech. Parameters--

Qts = 0.406

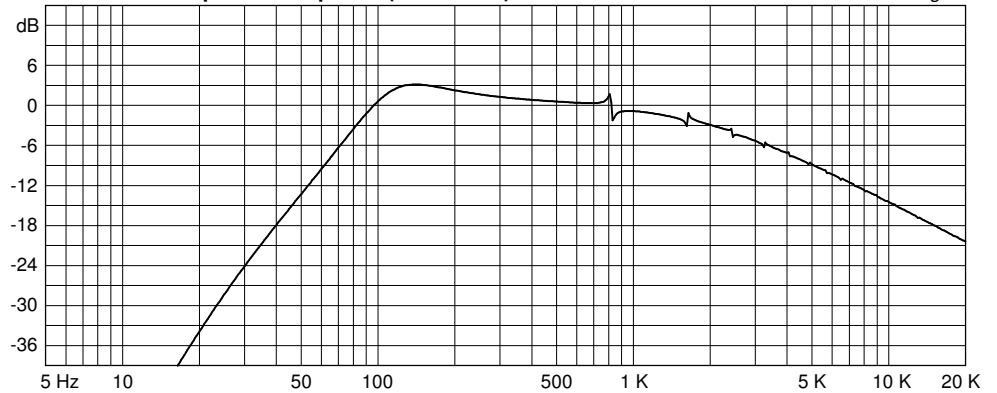
no = 2.382 %

1-W SPL = 95.92 dB

2.83-V SPL = 97.81 dB

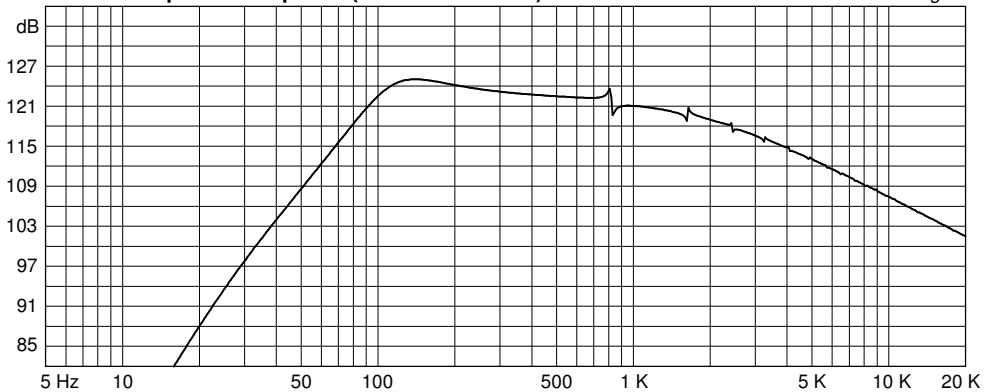
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



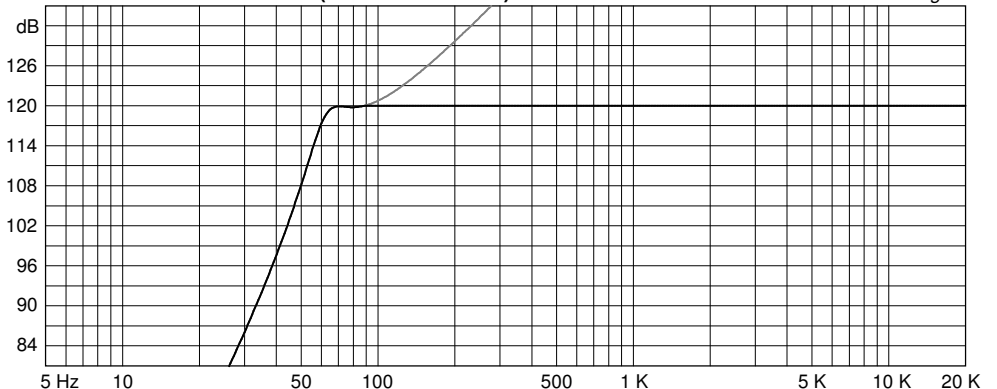
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 250 watts

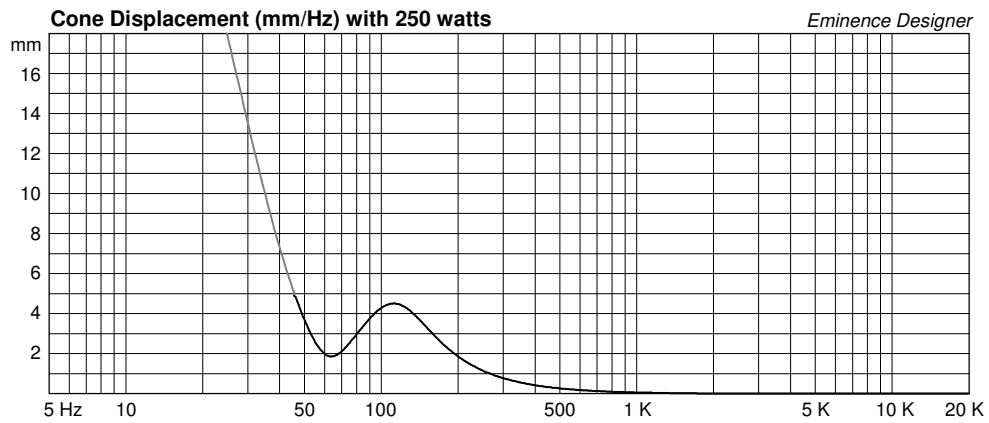
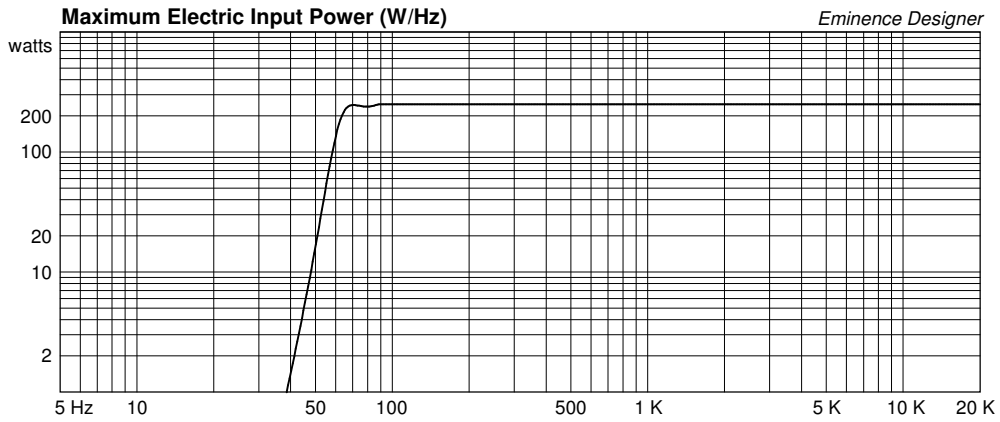
Eminence Designer

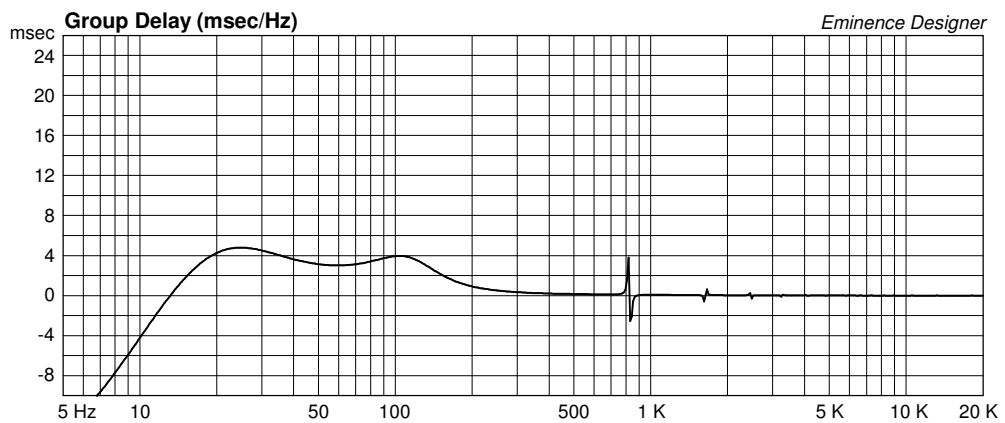
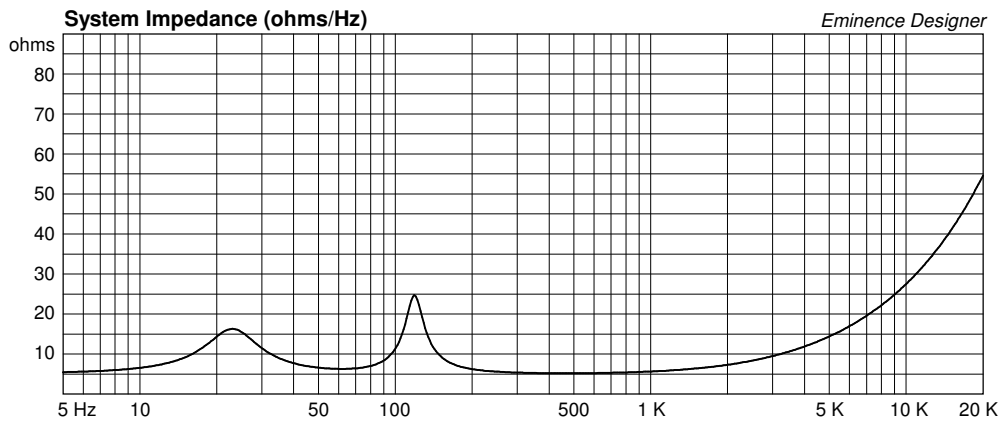


Maximum Acoustic Power (dB-SPL/Hz at 1 m)

Eminence Designer







DeltaLite-II 2512 Vented 2x12 Bass Guitar Cabinet

By Jerry McNutt, Eminence Speaker LLC

Displacement Limited to 325 Watts; F3 of 63 Hz. Use a steep high pass filter set to 40 Hz to protect your woofer.



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 3.8 cu.ft

V(total) = 4.105 cu.ft

Fb = 55 Hz

QL = 7

F3 = 62.46 Hz

Fill = minimal

--Vents--

No. of Vents = 4

Vent shape = round

Vent ends = one flush

Dv = 3 in

Lv = 2.652 in

Driver Properties

--Description--

Name: DeltaLite-II 2512

Type: Standard one-way driver

Comment: Updated 12/6/12 JMc

--Configuration--

No. of Drivers = 2

Mounting = Standard

Wiring = Parallel

Drivers sum coherently = Yes

--Mechanical Parameters--

Fs = 43.52 Hz

Qms = 4.17

Vas = 134.9 liters [269.8]

Cms = 0.36 mm/N [0.18]

Mms = 36.75 g [73.5]

Rms = 2.41 kg/s [4.82]

Xmax = 4.9 mm

Xmech = 8.5 mm

P-Dia = 255.7 mm [361.7]

Sd = 519.5 sq.cm [1039]

P-Vd = 0.252 liters [0.503]

--Electrical Parameters--

Qes = 0.45

Re = 5.17 ohms [2.585]

Le = 0.43 mH [0.215]

Z = 8 ohms [4]

BL = 10.69 Tm [10.74]

Pe = 250 watts [500]

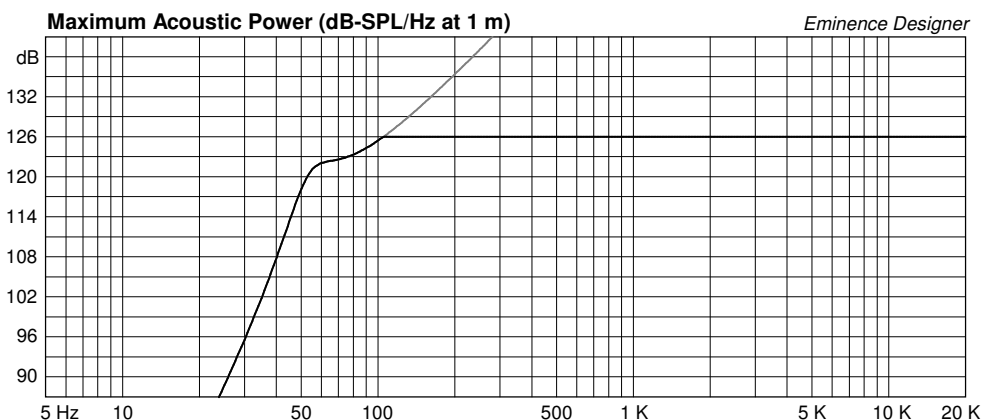
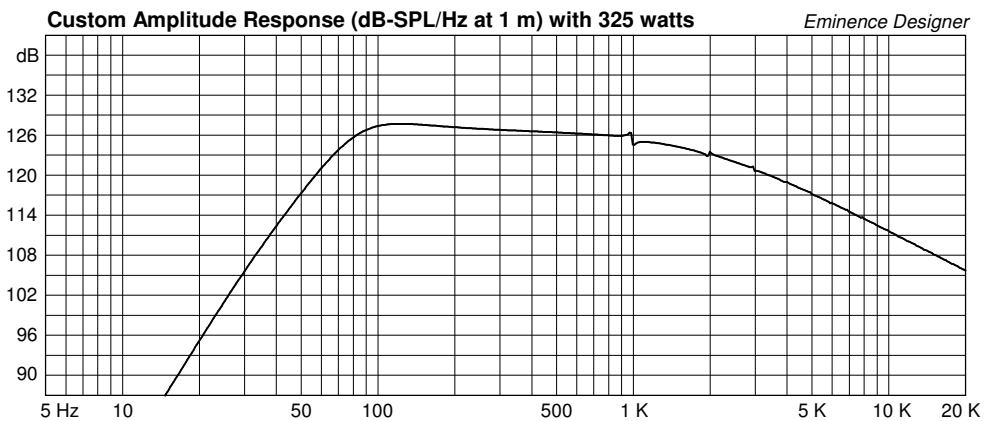
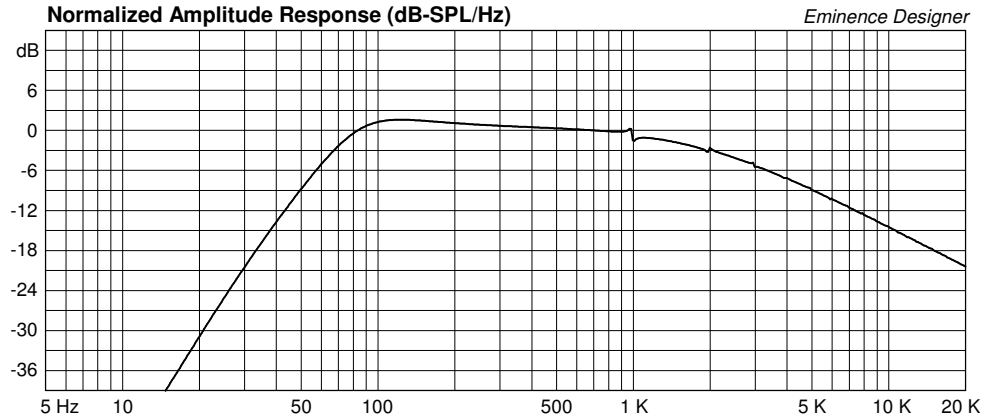
--Electromech. Parameters--

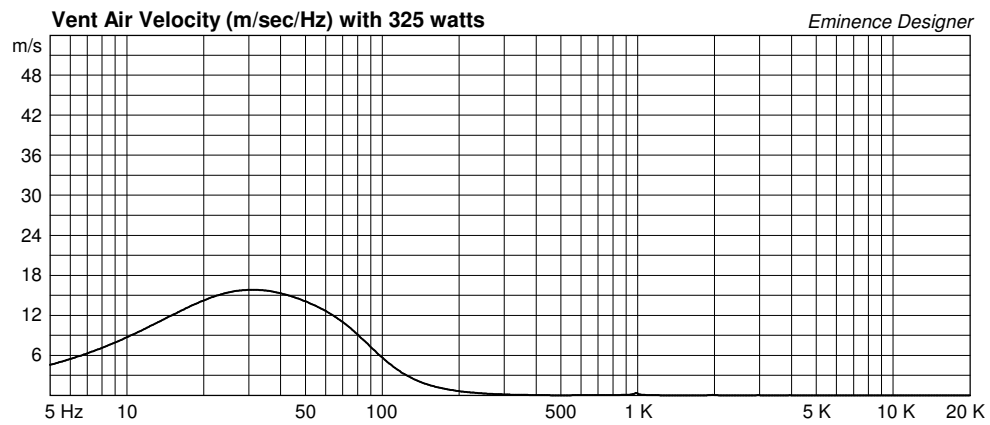
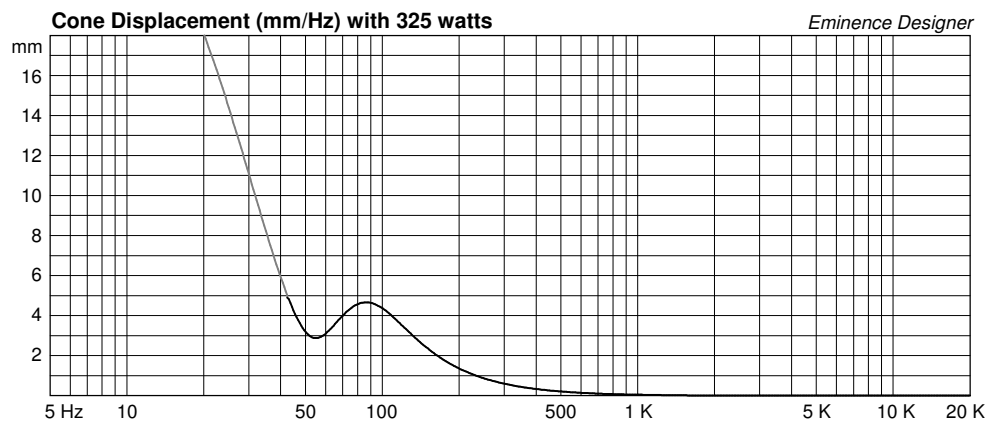
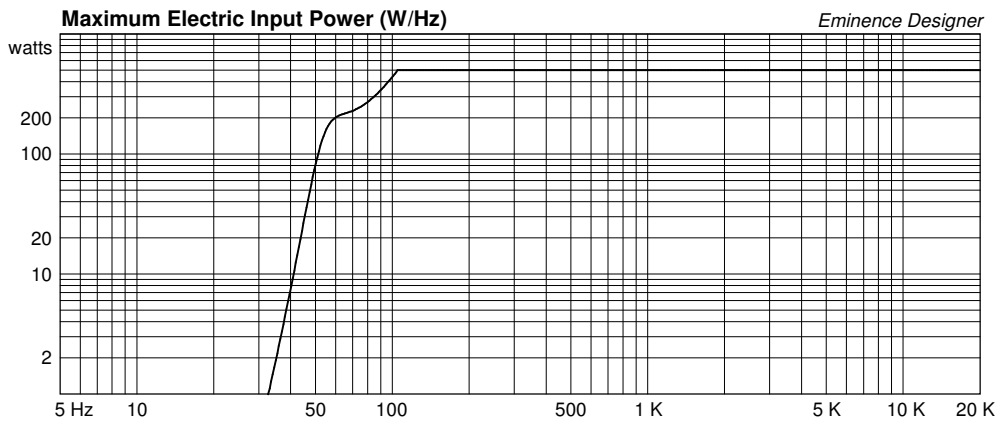
Qts = 0.406

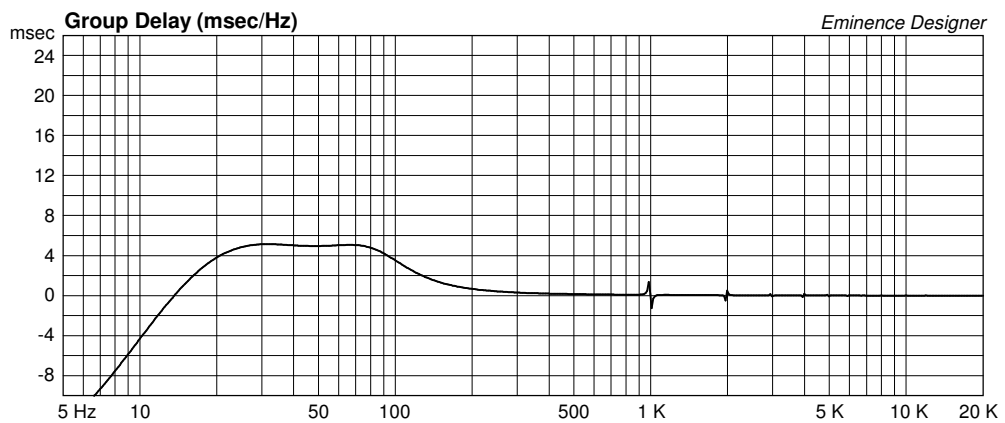
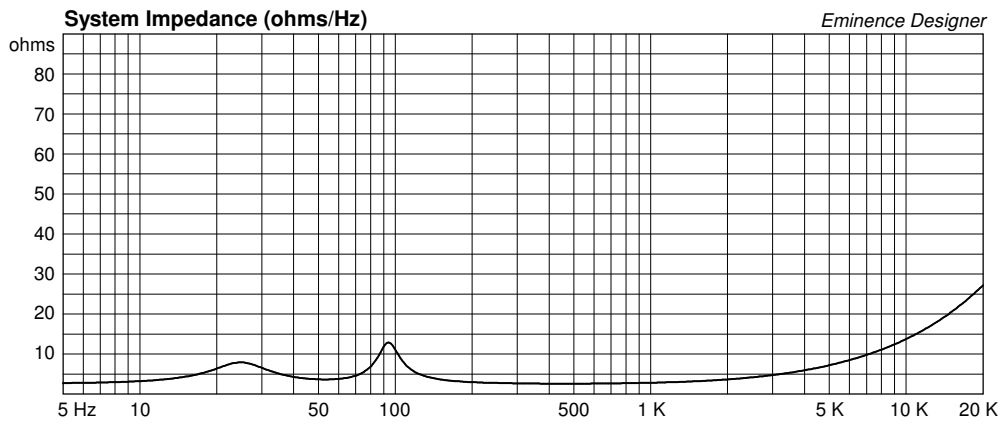
no = 2.382 % [4.764]

1-W SPL = 95.92 dB [98.93]

2.83-V SPL = 97.81 dB [103.8]







DeltaLite-II 2512 Vented 4x12 Bass Guitar Cabinet

By Jerry McNutt, Eminence Speaker LLC

Displacement Limited to 650 Watts; F3 of 70Hz. Use a steep high pass filter set to 40Hz to protect your woofer.



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 7 cu.ft

V(total) = 7.692 cu.ft

Fb = 55 Hz

QL = 7

F3 = 69.06 Hz

Fill = minimal

--Vents--

No. of Vents = 6

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 3.72 in

Driver Properties

--Description--

Name: DeltaLite-II 2512

Type: Standard one-way driver

Comment: Updated 12/6/12 JMc

--Configuration--

No. of Drivers = 4

Mounting = Standard

Wiring = Series-Parallel

Drivers sum coherently = Yes

--Mechanical Parameters--

Fs = 43.52 Hz

Qms = 4.17

Vas = 134.9 liters [539.5]

Cms = 0.36 mm/N [0.09]

Mms = 36.75 g [147]

Rms = 2.41 kg/s [9.64]

Xmax = 4.9 mm

Xmech = 8.5 mm

P-Dia = 255.7 mm [511.5]

Sd = 519.5 sq.cm [2078]

P-Vd = 0.252 liters [1.007]

--Electrical Parameters--

Qes = 0.45

Re = 5.17 ohms [5.17]

Le = 0.43 mH [0.43]

Z = 8 ohms [8]

BL = 10.69 Tm [21.49]

Pe = 250 watts [1000]

--Electromech. Parameters--

Qts = 0.406

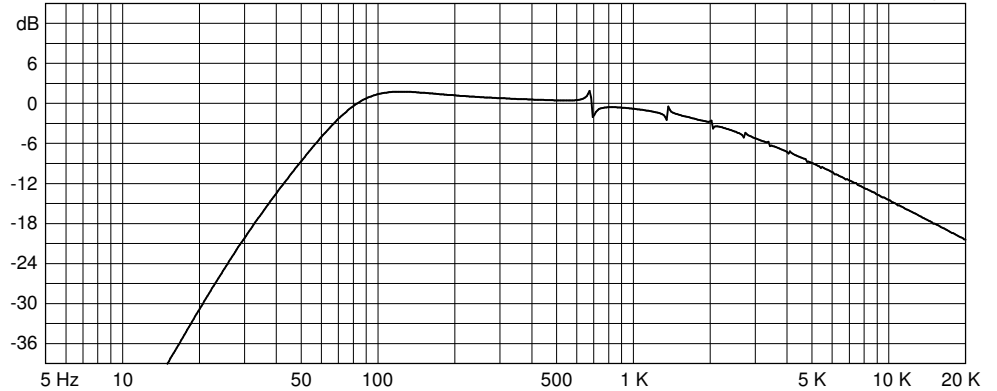
no = 2.382 % [9.528]

1-W SPL = 95.92 dB [101.9]

2.83-V SPL = 97.81 dB [103.8]

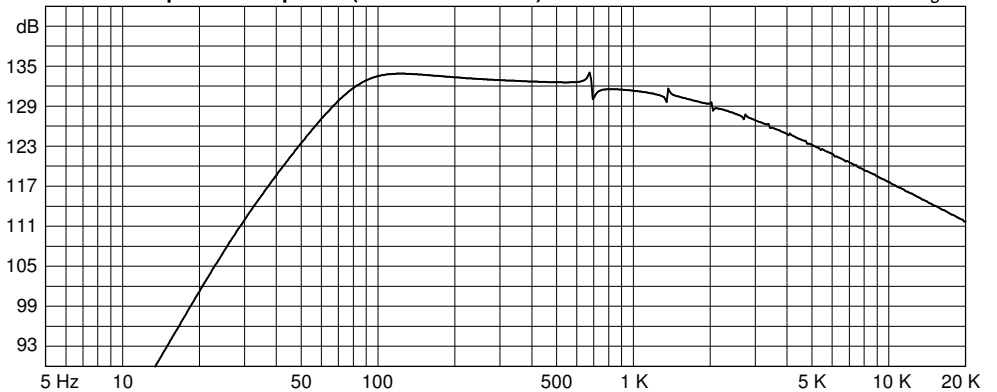
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



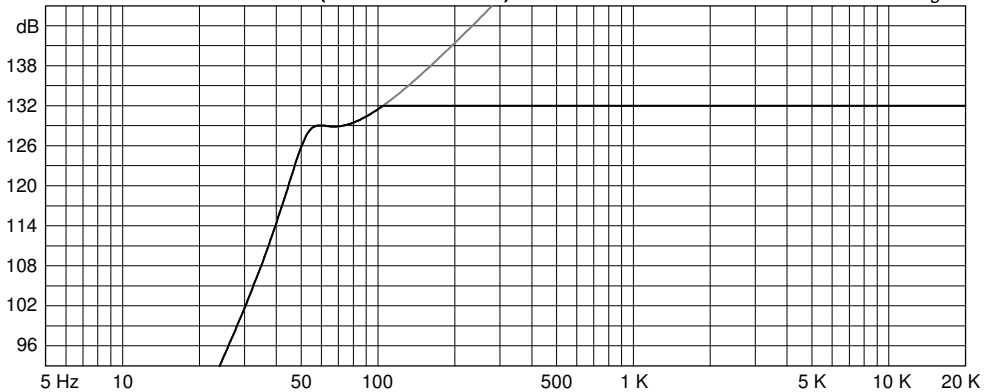
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 650 watts

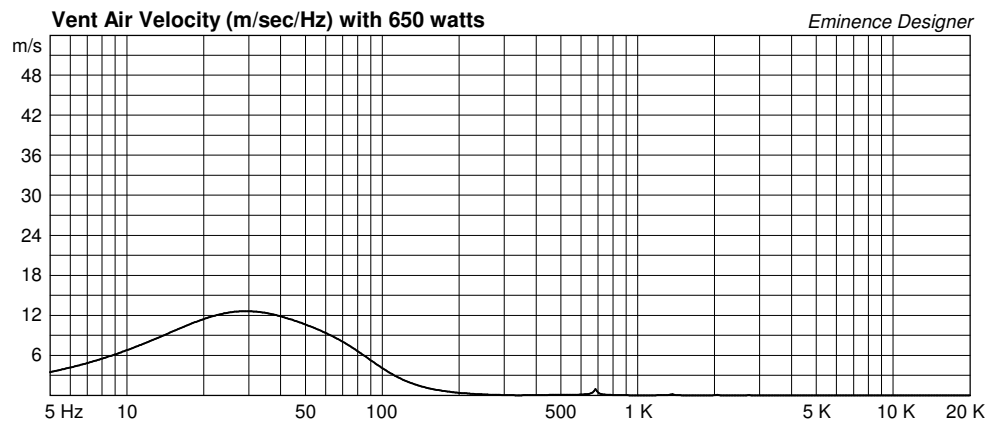
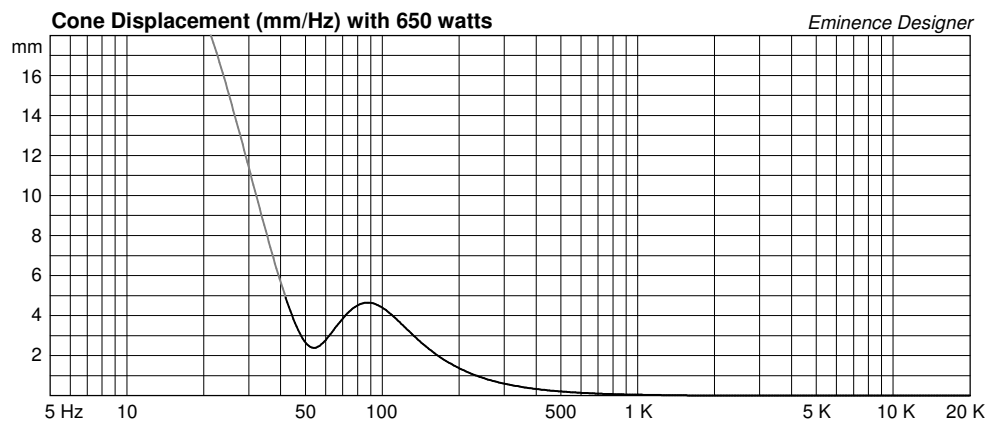
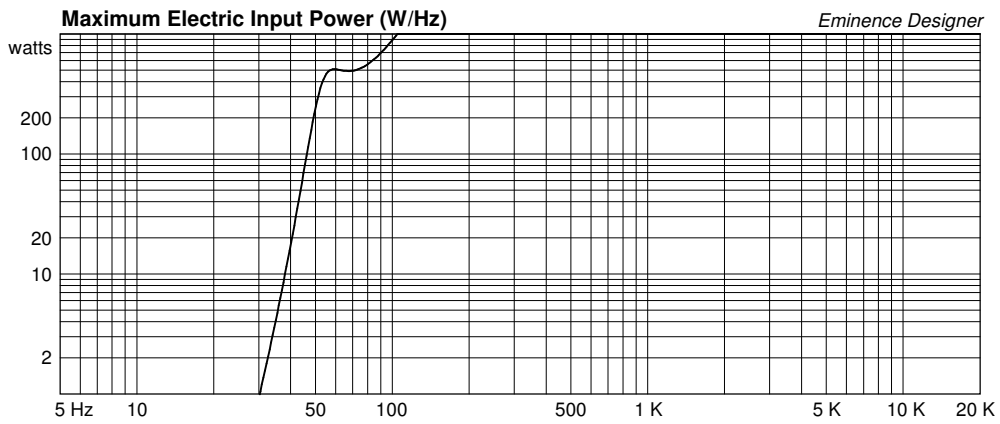
Eminence Designer

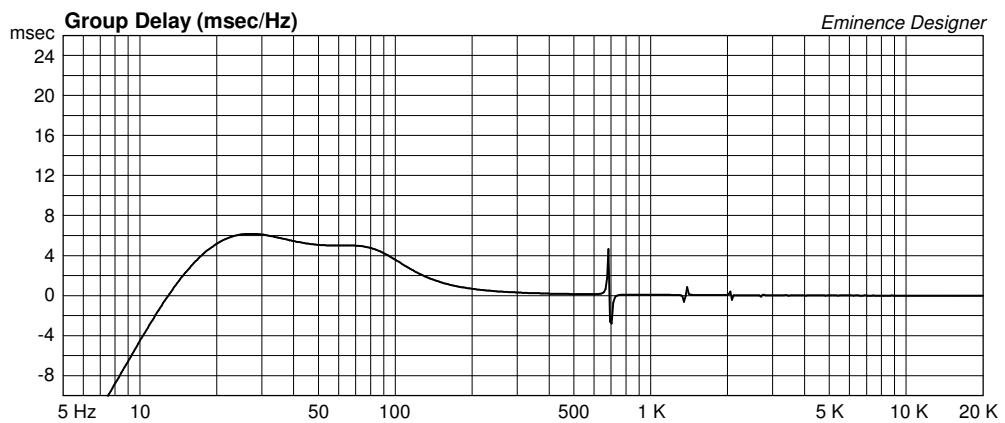
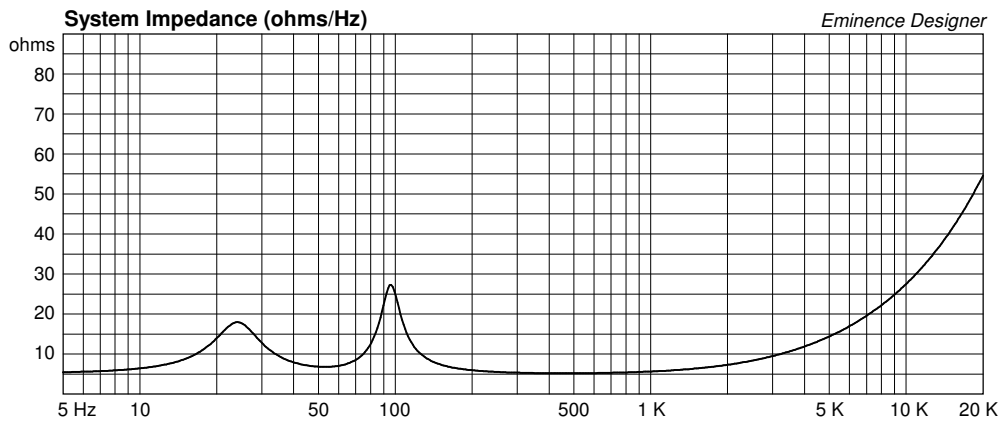


Maximum Acoustic Power (dB-SPL/Hz at 1 m)

Eminence Designer







DeltaLite-II 2512 Med Vented Design

By Jerry McNutt, Eminence Speaker LLC

Displacement Limited to 200 Watts; F3 of 68 Hz. Use a steep high pass filter set to 50 Hz to protect your woofer.



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 1.95 cu.ft

V(total) = 2.099 cu.ft

Fb = 60 Hz

QL = 7

F3 = 67.93 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 3 in

Lv = 2.077 in

Driver Properties

--Description--

Name: DeltaLite-II 2512

Type: Standard one-way driver

Comment: Updated 12/6/12 JMc

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 43.52 Hz

Qms = 4.17

Vas = 134.9 liters

Cms = 0.36 mm/N

Mms = 36.75 g

Rms = 2.41 kg/s

Xmax = 4.9 mm

Xmech = 8.5 mm

P-Dia = 255.7 mm

Sd = 519.5 sq.cm

P-Vd = 0.252 liters

--Electrical Parameters--

Qes = 0.45

Re = 5.17 ohms

Le = 0.43 mH

Z = 8 ohms

BL = 10.69 Tm

Pe = 250 watts

--Electromech. Parameters--

Qts = 0.406

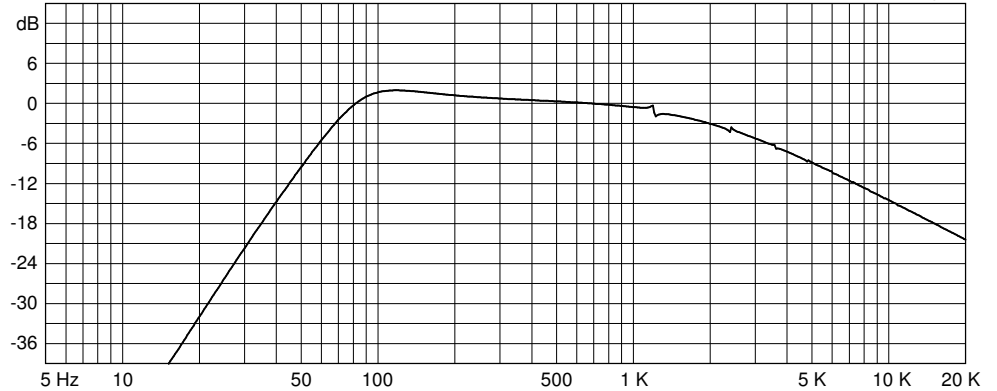
no = 2.382 %

1-W SPL = 95.92 dB

2.83-V SPL = 97.81 dB

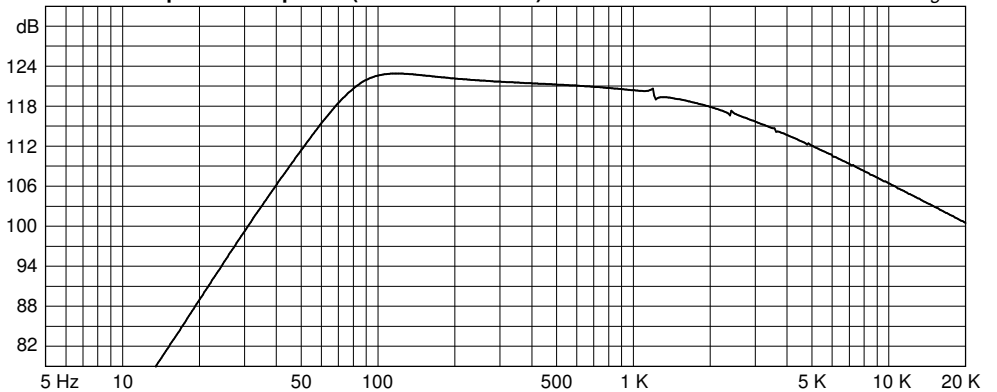
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



Custom Amplitude Response (dB-SPL/Hz at 1 m) with 200 watts

Eminence Designer



Maximum Acoustic Power (dB-SPL/Hz at 1 m)

Eminence Designer

