

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

By Jerry McNutt, Eminence Speaker LLC

Displacement Limited to 125 Watts; F3 of 48 Hz. Use a steep high pass filter set to 40 Hz to protect woofer from overexcursion.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 2.75 cu.ft

V(total) = 2.969 cu.ft

Fb = 50 Hz

QL = 7

F3 = 48.12 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 5.49 in

Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 36.98 Hz

Qms = 3.13

Vas = 146.6 liters

Xmax = 4.9 mm

Sd = 519.5 sq.cm

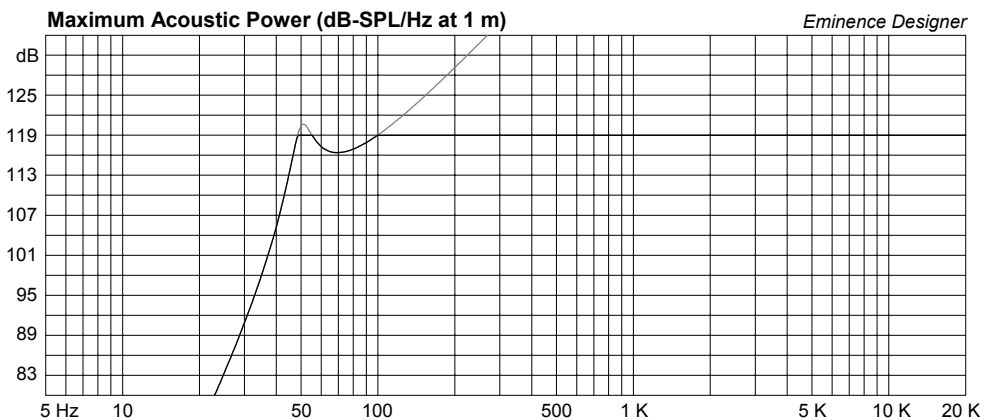
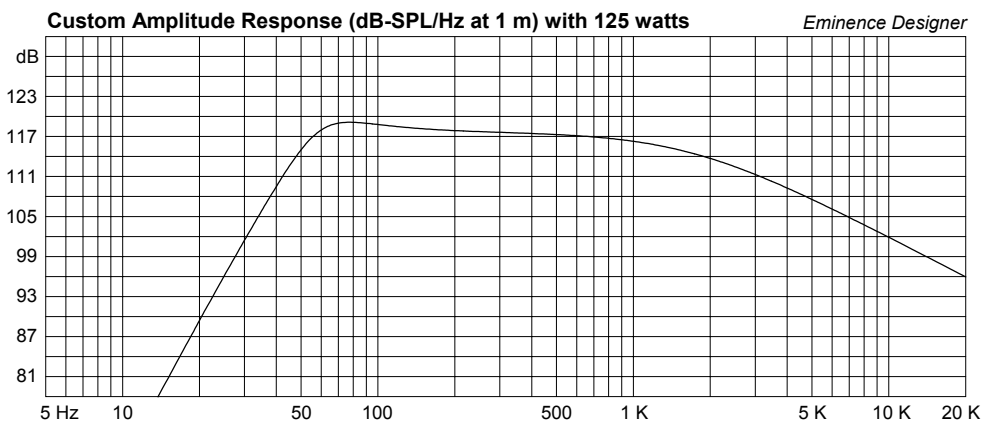
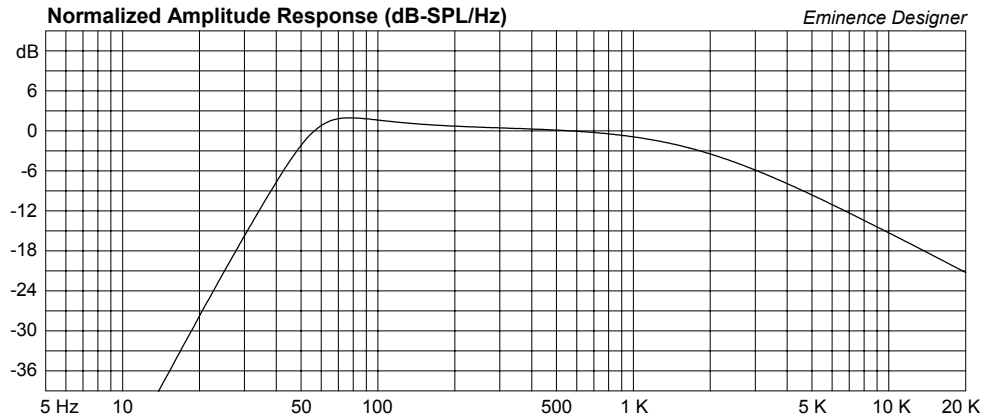
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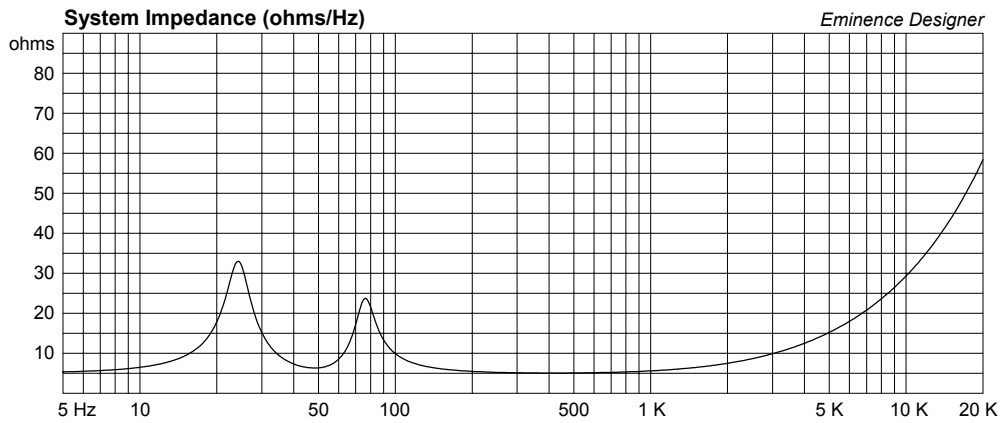
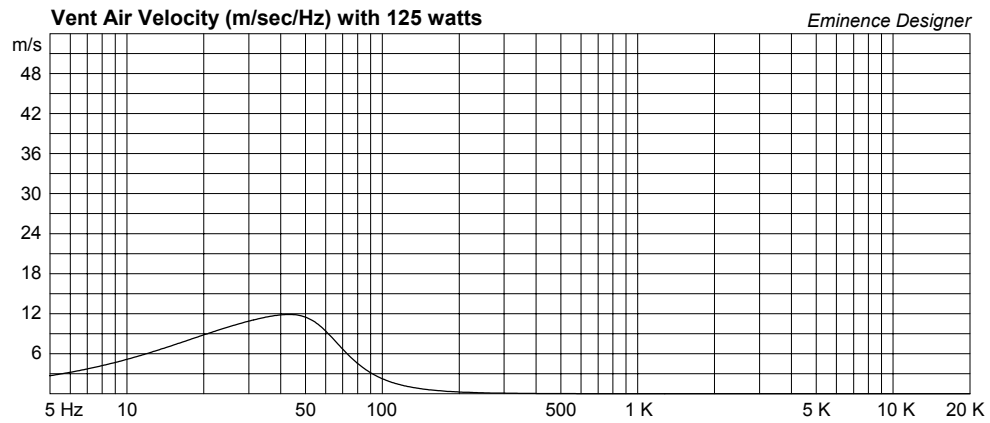
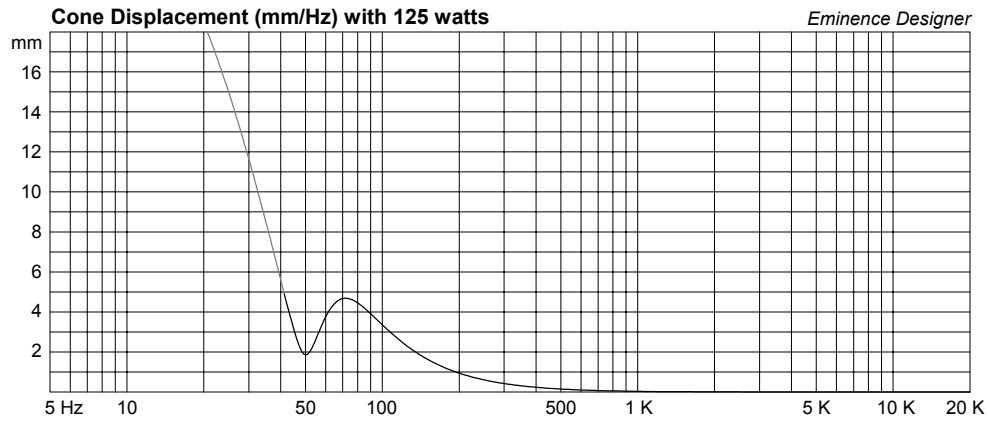
Re = 5.04 ohms

Le = 0.46 mH

Z = 8 ohms

Pe = 300 watts





DeltaLite-II 2512 Med Vented Box/Med Pwr FR PA

By Jerry McNutt, Eminence Speaker LLC

Displacement Limited to 200 Watts; F3 57Hz. Use a steep high pass filter set to 50 Hz to protect woofer from overexcursion.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 1.95 cu.ft

V(total) = 2.166 cu.ft

Fb = 60 Hz

QL = 7

F3 = 56.79 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 5.278 in

Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 36.98 Hz

Qms = 3.13

Vas = 146.6 liters

Xmax = 4.9 mm

Sd = 519.5 sq.cm

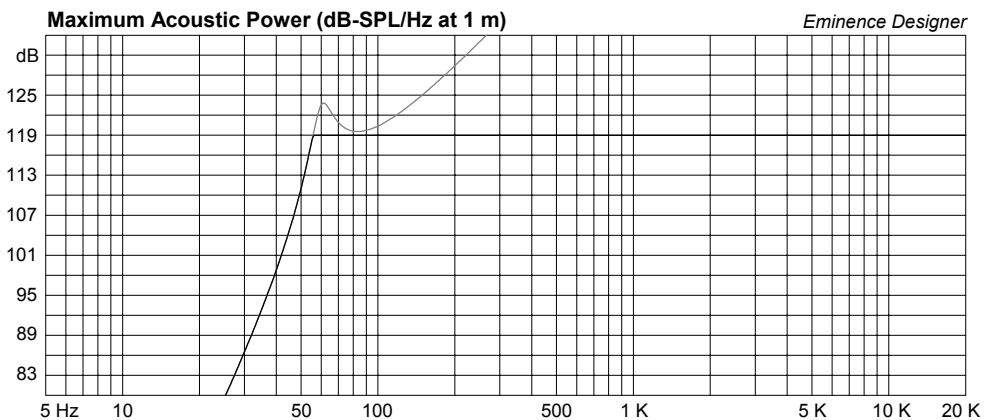
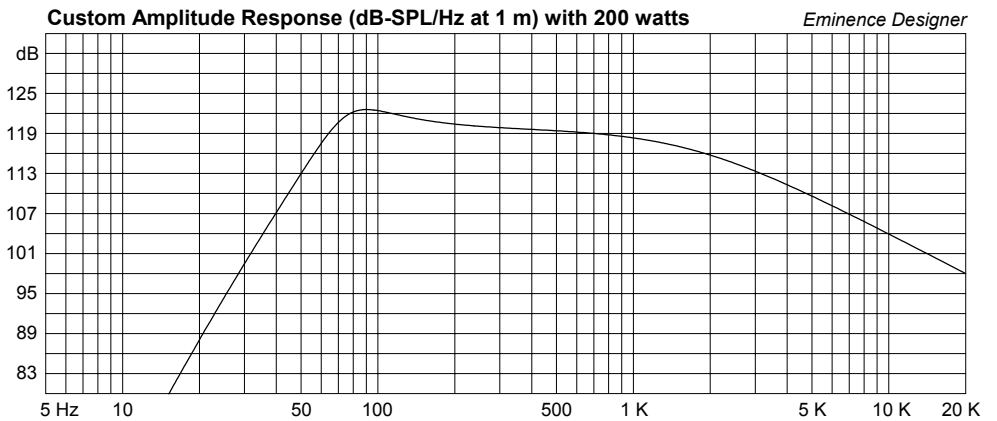
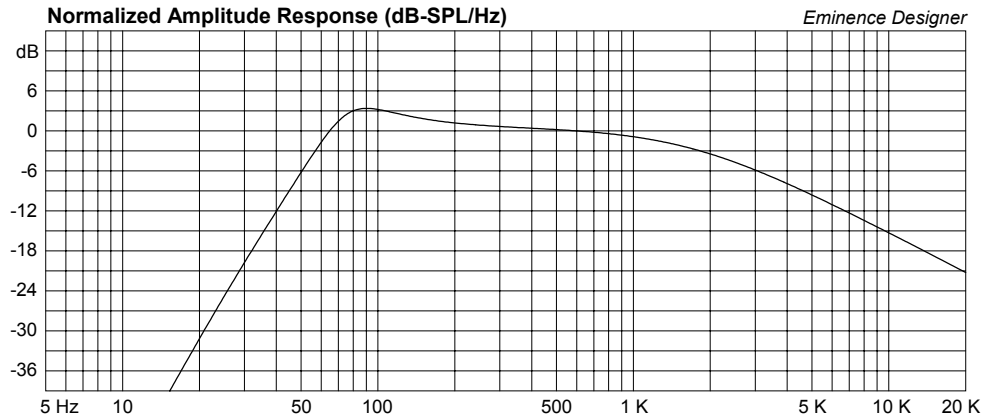
Qes = 0.44

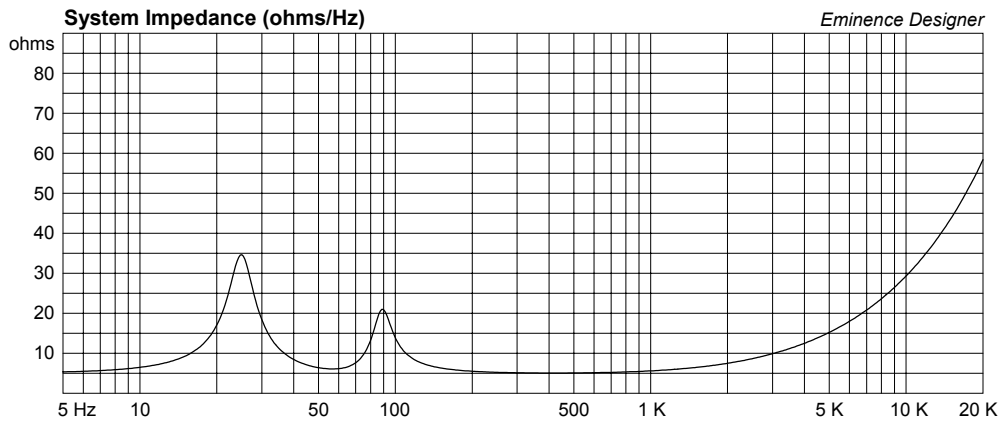
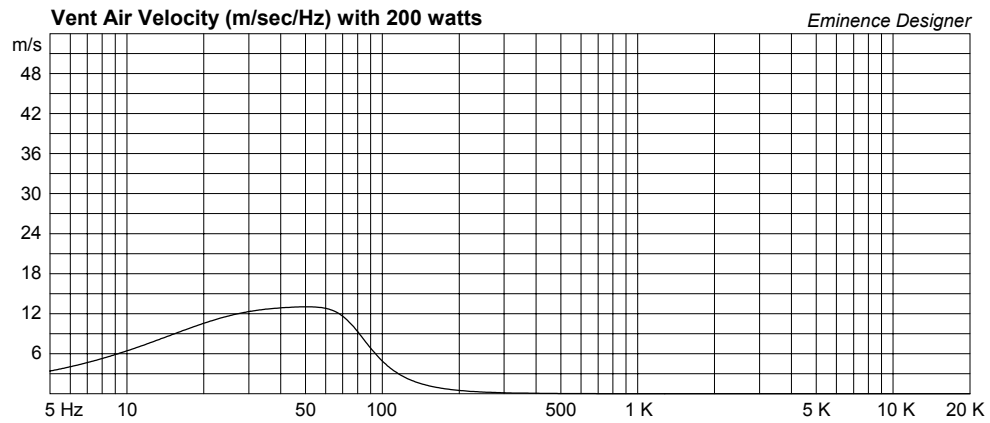
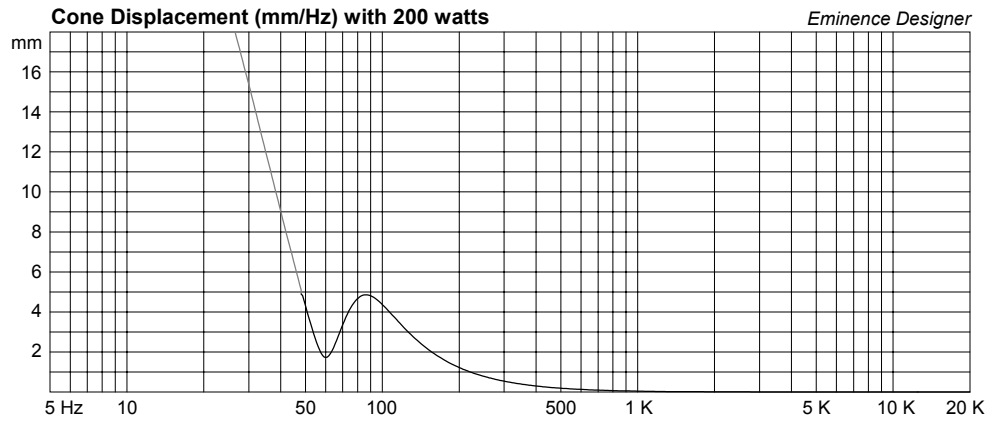
Re = 5.04 ohms

Le = 0.46 mH

Z = 8 ohms

Pe = 300 watts





DeltaLite-II 2512 Small Sealed Mid/Hi Sat or Vocal Wedge

By Jerry McNutt, Eminence Speaker LLC

Limited to 200 Watts. Use a steep high pass filter set to 120 Hz or above.

Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 0.861 cu.ft

V(total) = 0.861 cu.ft

Qtc = 0.772

QL = 20

F3 = 84.28 Hz

Fill = heavy

Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 36.98 Hz

Qms = 3.13

Vas = 146.6 liters

Xmax = 4.9 mm

Sd = 519.5 sq.cm

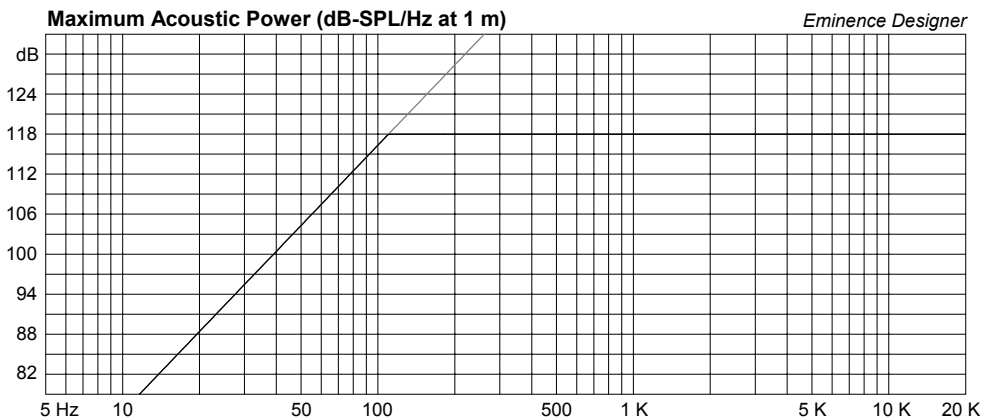
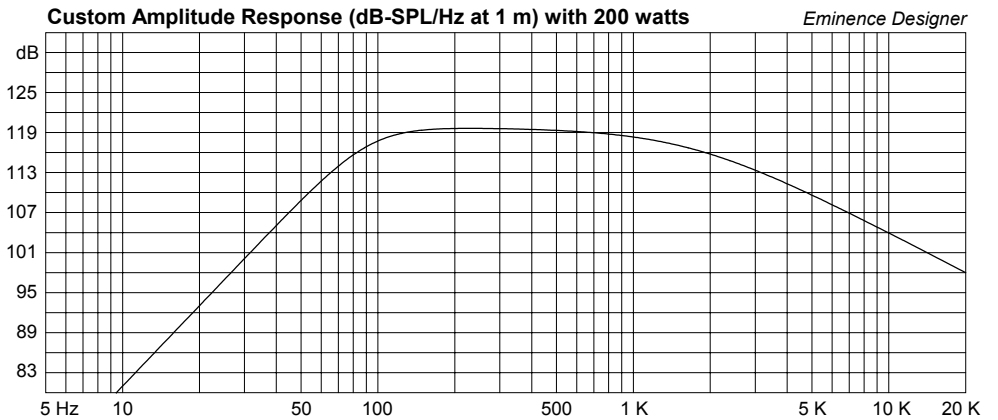
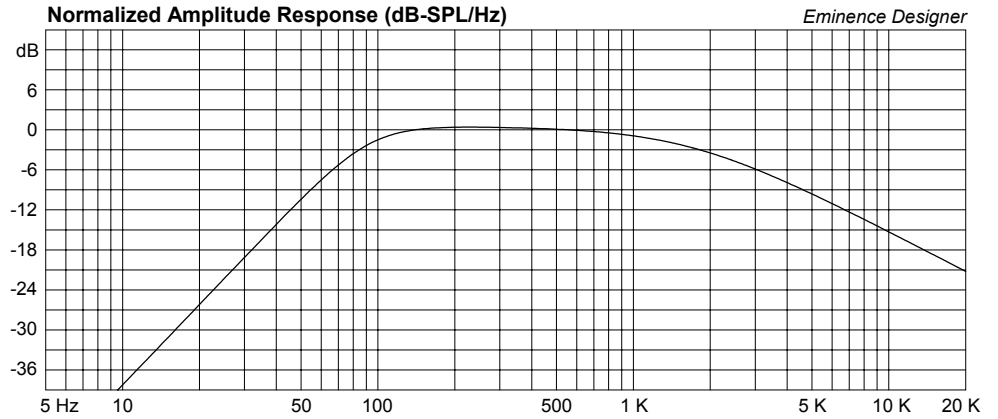
Qes = 0.44

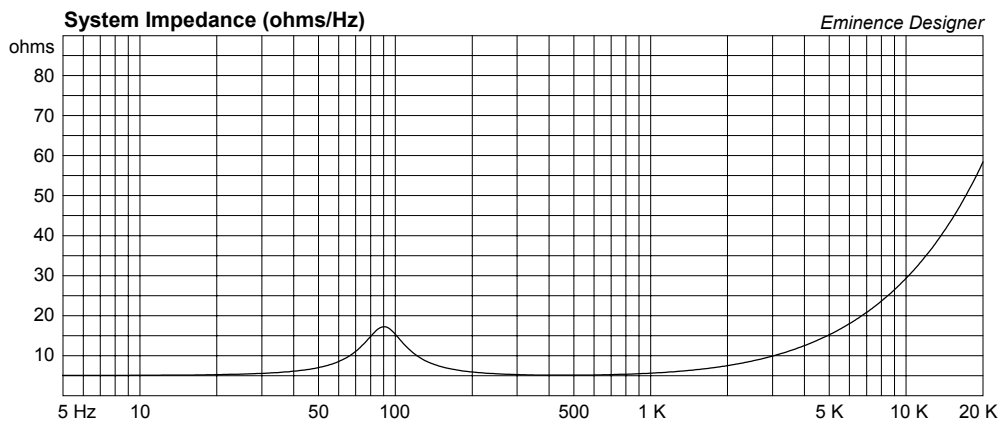
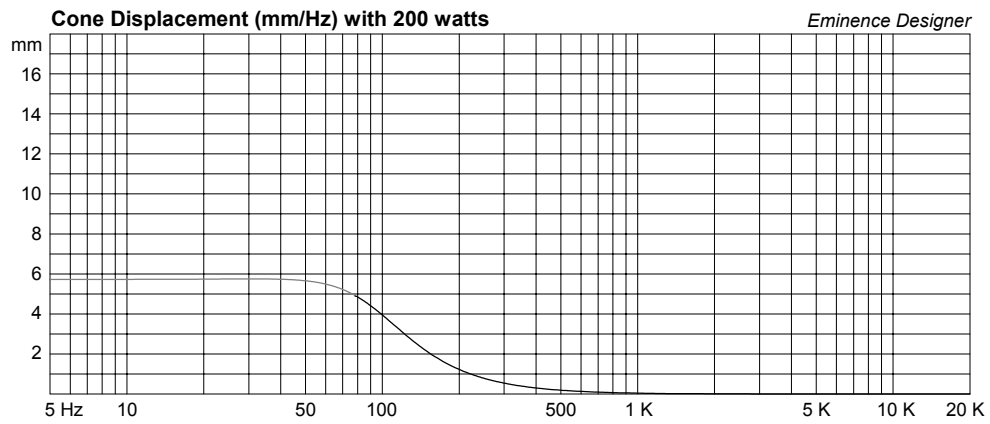
Re = 5.04 ohms

Le = 0.46 mH

Z = 8 ohms

Pe = 250 watts





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

By Jerry McNutt, Eminence Speaker LLC

Thermally Limited to 250 Watts; F3 of 72 Hz. For Semi FR use 60 Hz High Pass.

For Hi Pwr Sat of Vocal Wedge use 100 Hz high pass filter.

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 = 71.84 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:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 36.98 Hz

Qms = 3.13

Vas = 146.6 liters

Xmax = 4.9 mm

Sd = 519.5 sq.cm

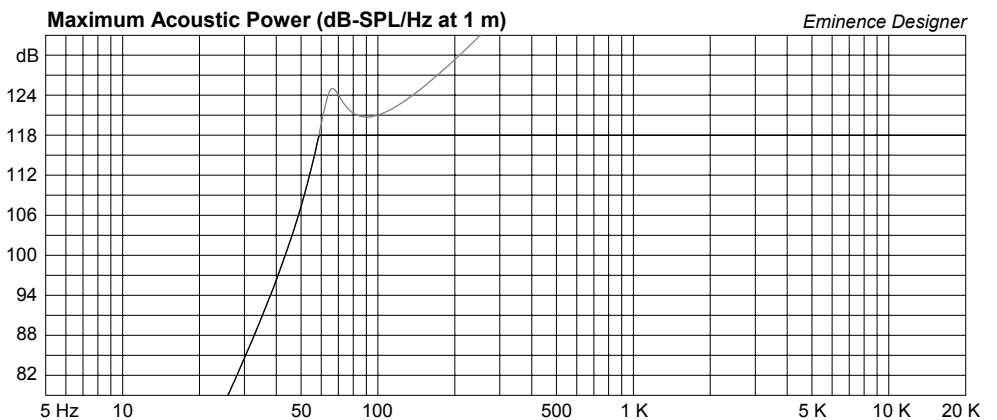
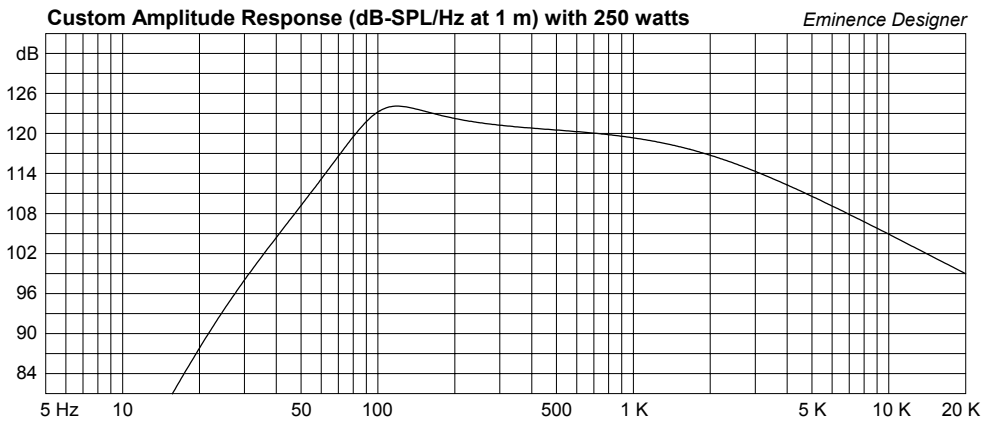
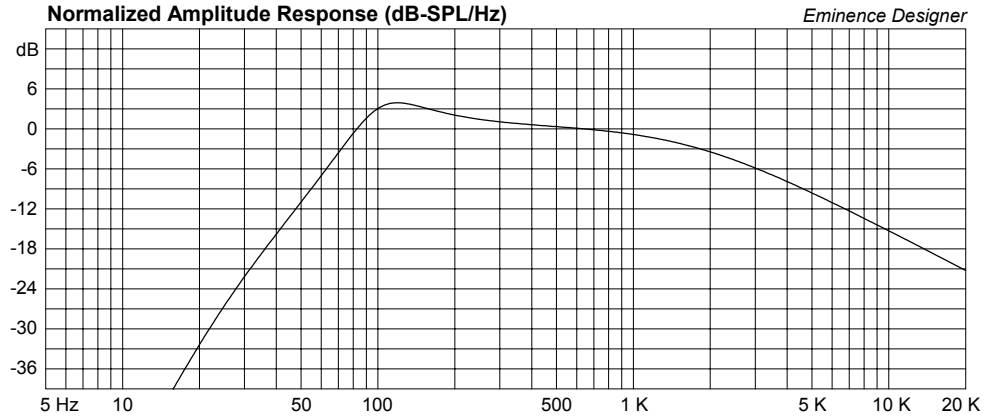
Qes = 0.44

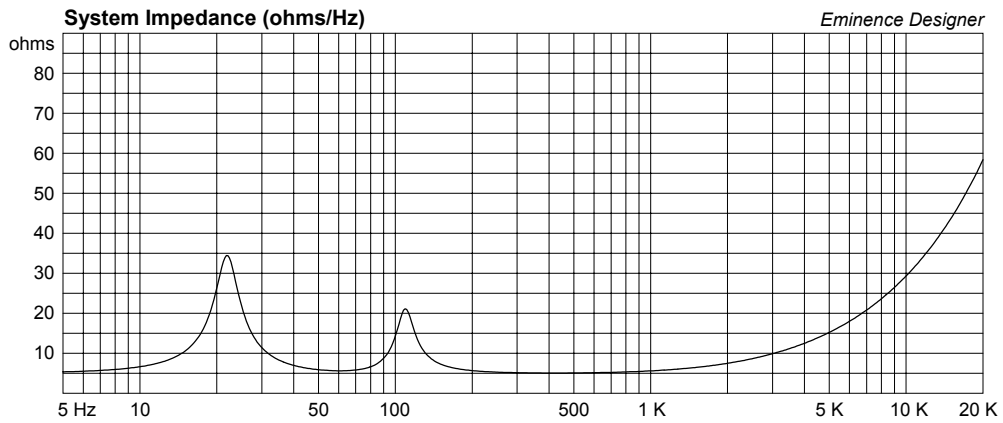
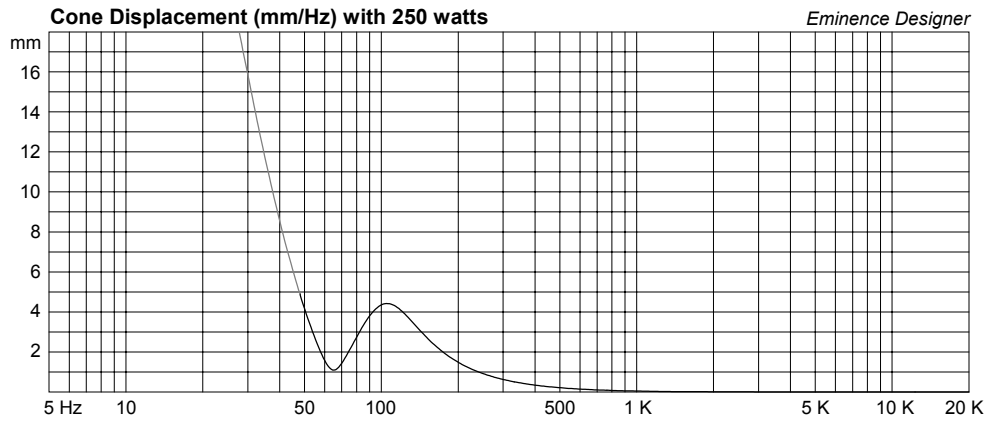
Re = 5.04 ohms

Le = 0.46 mH

Z = 8 ohms

Pe = 250 watts





DeltaLite-II 2512 Small 1x12 Bass Guitar Cabinet

By Jerry McNutt, Eminence Speaker LLC

Displacement Limited to 175 Watts; F3 of 62 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 = 1.38 cu.ft

V(total) = 1.546 cu.ft

Fb = 55 Hz

QL = 7

F3 = 62.15 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:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 36.98 Hz

Qms = 3.13

Vas = 146.6 liters

Xmax = 4.9 mm

Sd = 519.5 sq.cm

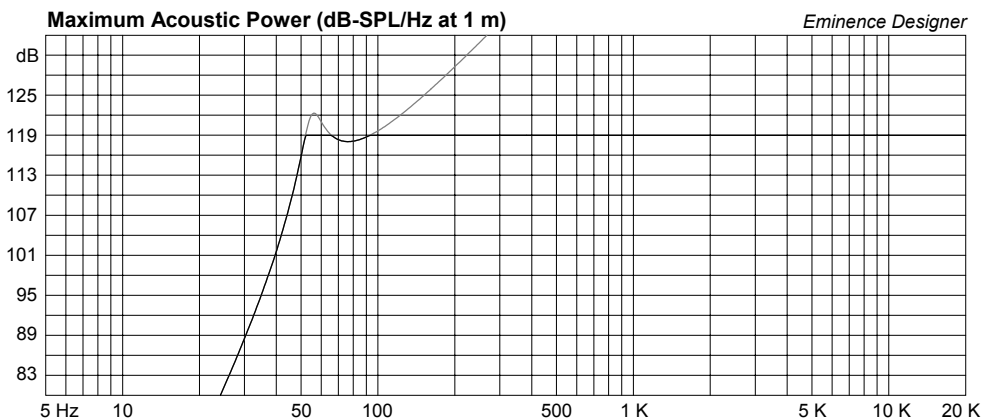
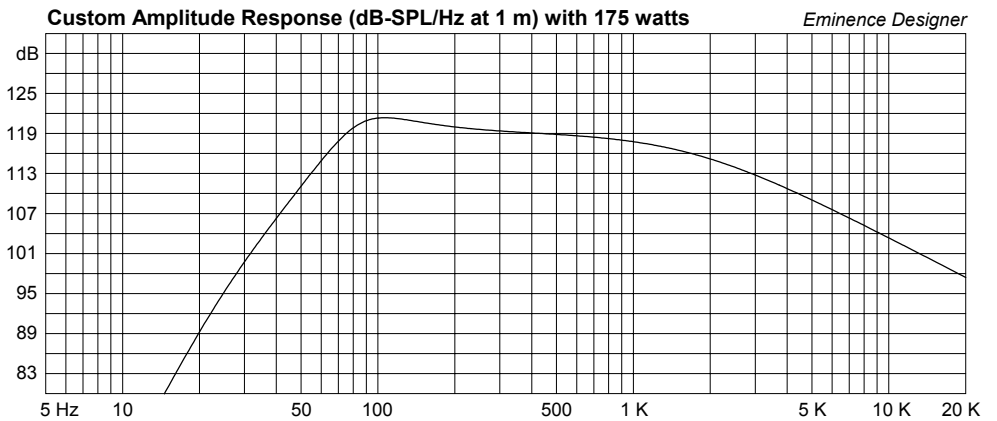
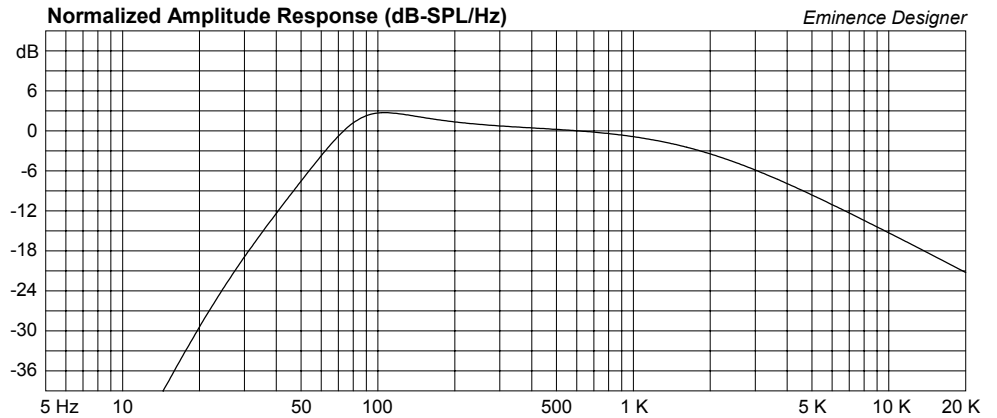
Qes = 0.44

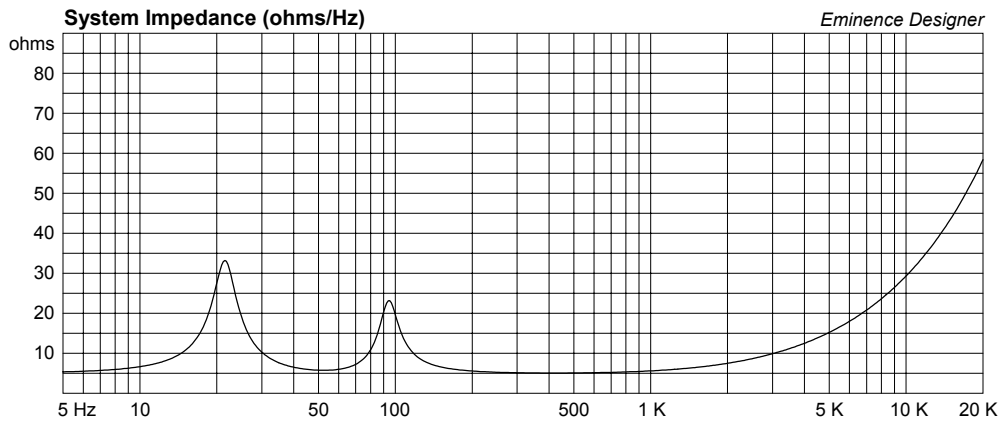
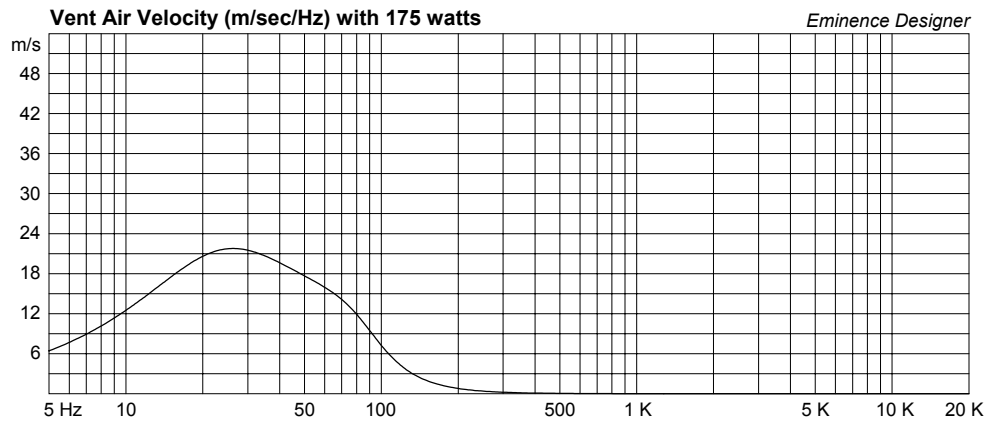
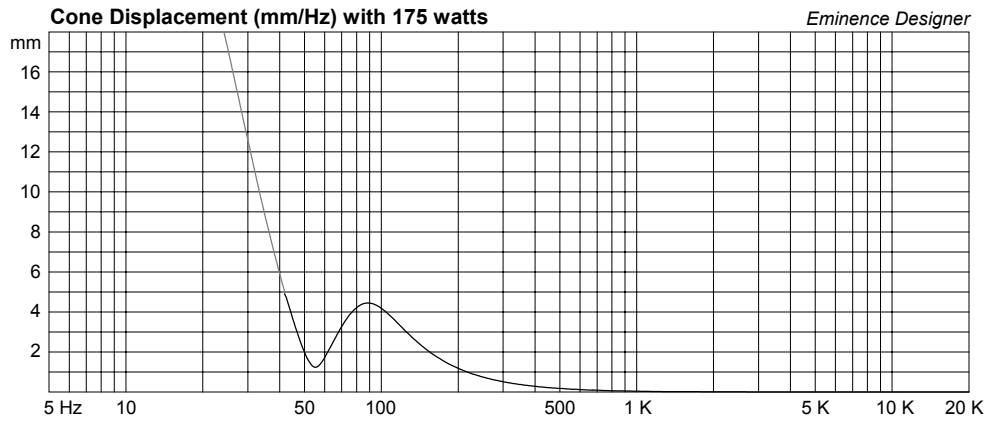
Re = 5.04 ohms

Le = 0.46 mH

Z = 8 ohms

Pe = 300 watts





DeltaLite-II 2512 Larger 1x12 Bass Guitar Cabinet

By Jerry McNutt, Eminence Speaker LLC

Displacement Limited to 125 Watts; F3 of 51Hz. 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 = 2.25 cu.ft

V(total) = 2.44 cu.ft

Fb = 42.16 Hz

QL = 7

F3 = 51.13 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 3 in

Lv = 6.34 in

Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 36.98 Hz

Qms = 3.13

Vas = 146.6 liters

Xmax = 4.9 mm

Sd = 519.5 sq.cm

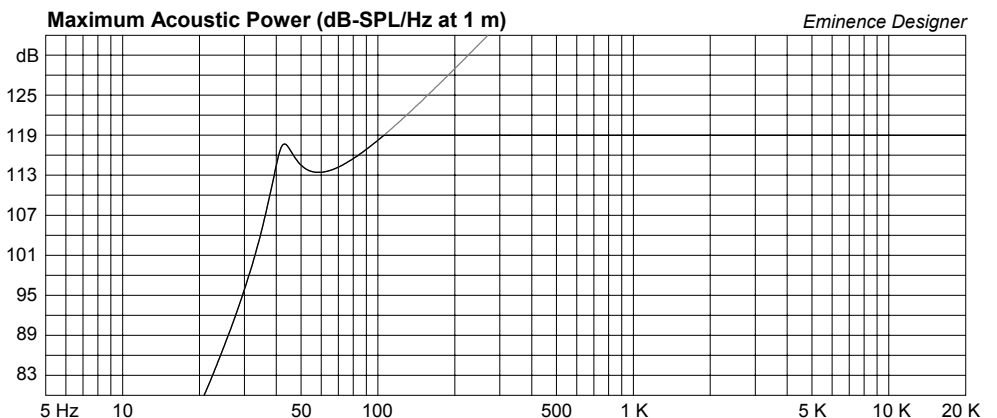
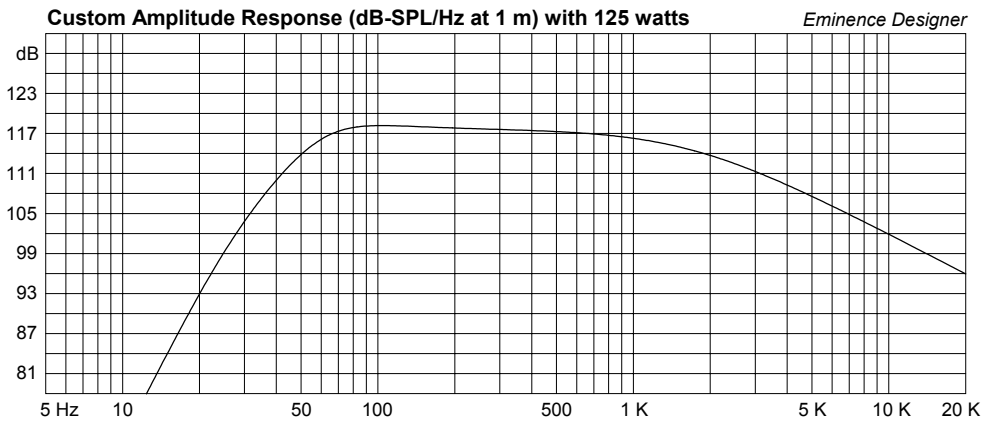
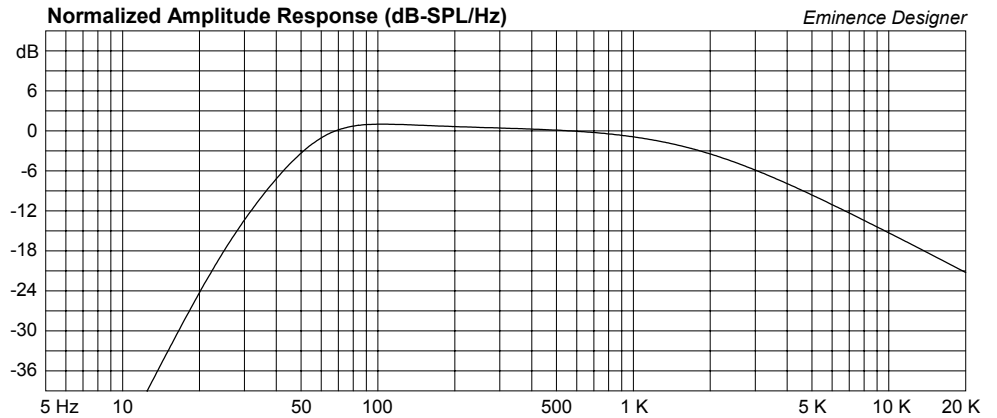
Qes = 0.44

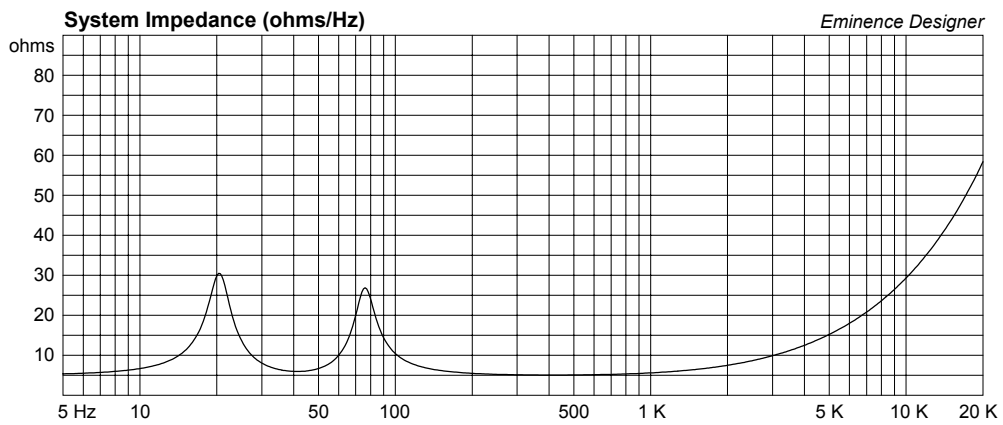
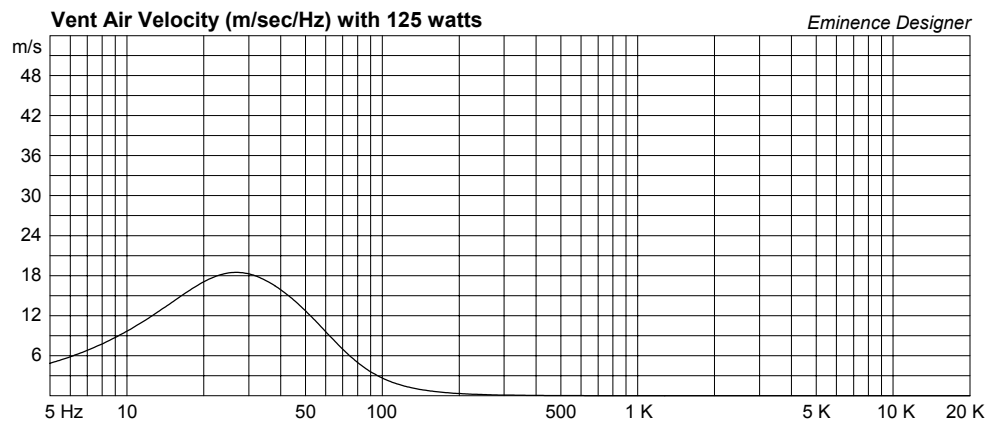
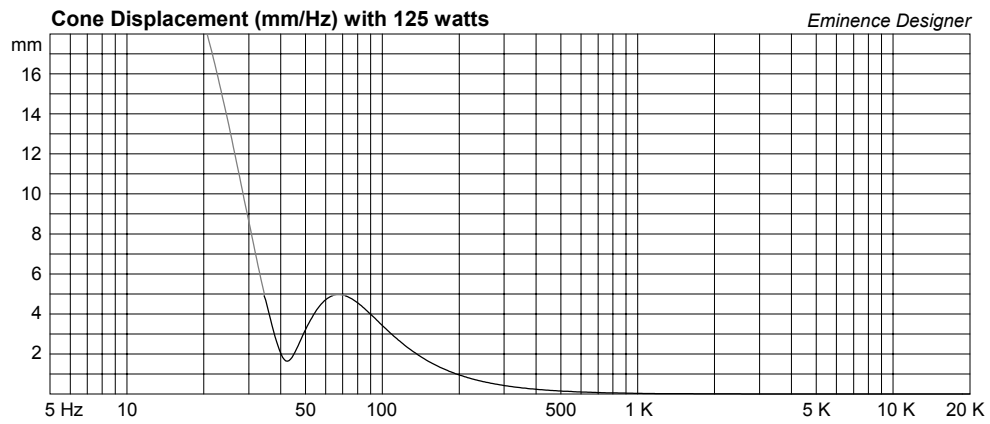
Re = 5.04 ohms

Le = 0.46 mH

Z = 8 ohms

Pe = 300 watts





DeltaLite-II 2512 2x12 Bass Guitar Cabinet

By Jerry McNutt, Eminence Speaker LLC

Displacement Limited to 325 Watts; F3 of 55 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 (optimum)

--Box Parameters--

Vb = 3.8 cu.ft

V(total) = 4.137 cu.ft

Fb = 50 Hz

QL = 7

F3 = 54.56 Hz

Fill = minimal

--Vents--

No. of Vents = 4

Vent shape = round

Vent ends = one flush

Dv = 3 in

Lv = 4.1 in

Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 2

Mounting = Standard

Wiring = Parallel

Drivers sum coherently = Yes

--Driver Parameters--

Fs = 36.98 Hz

Qms = 3.13

Vas = 146.6 liters [293.3]

Xmax = 4.9 mm

Sd = 519.5 sq.cm [1039]

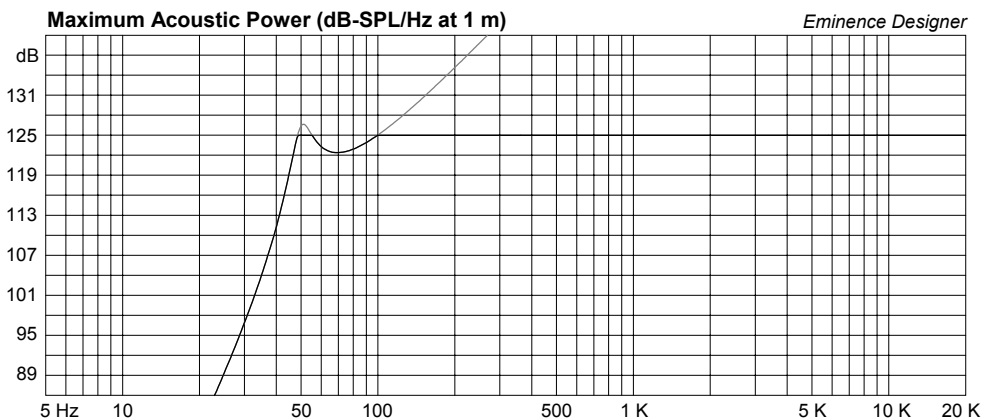
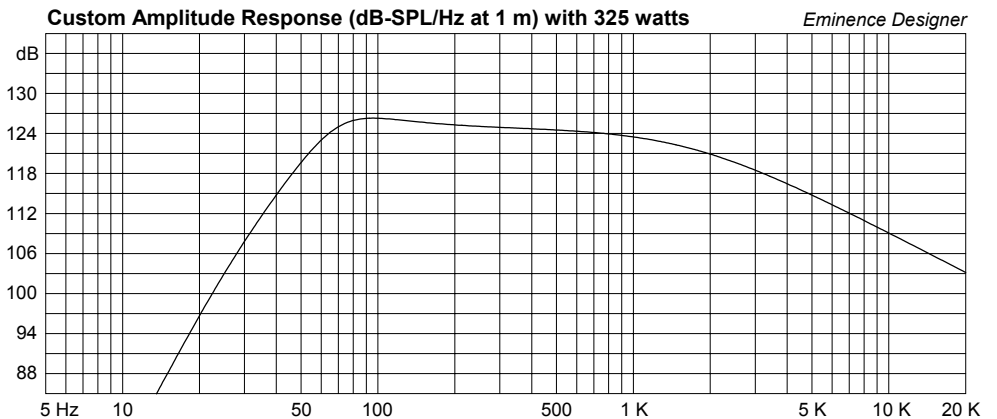
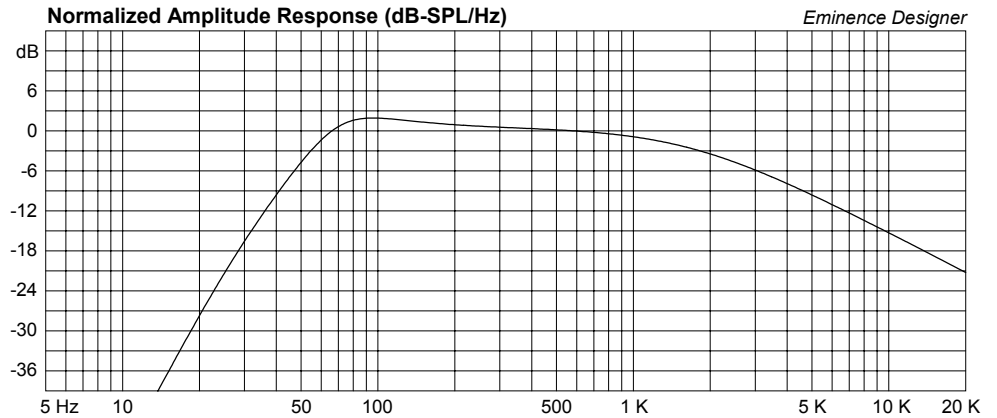
Qes = 0.44

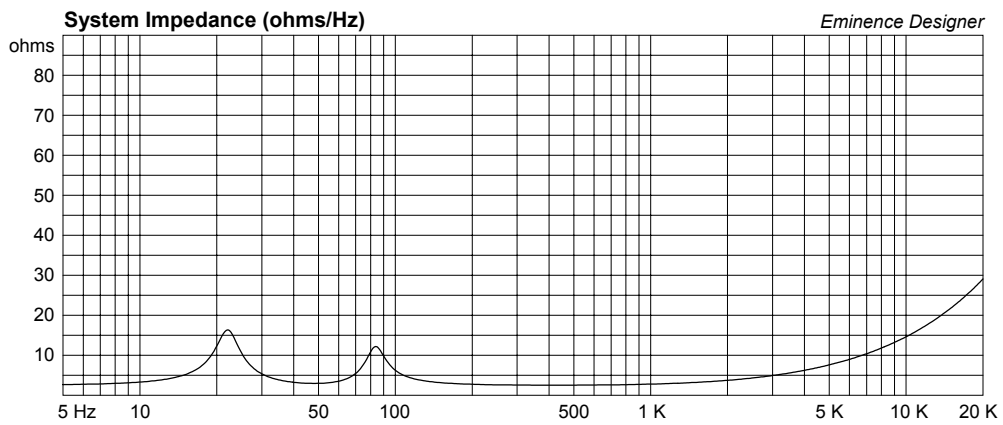
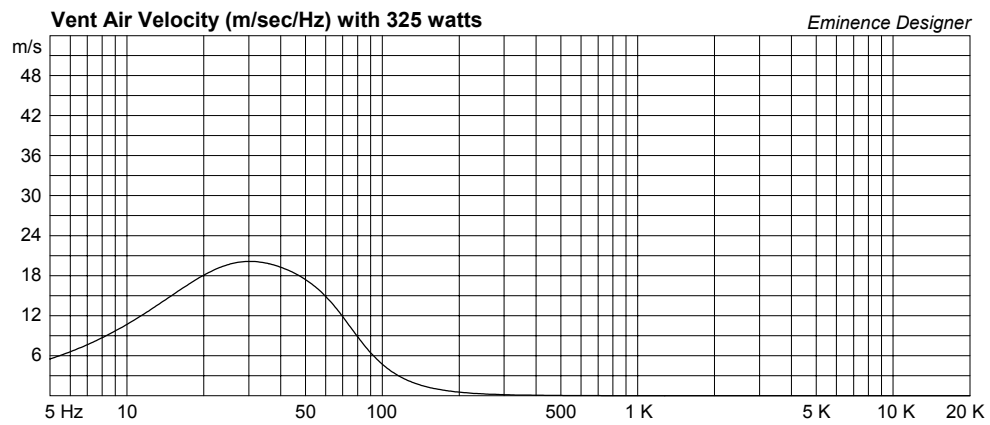
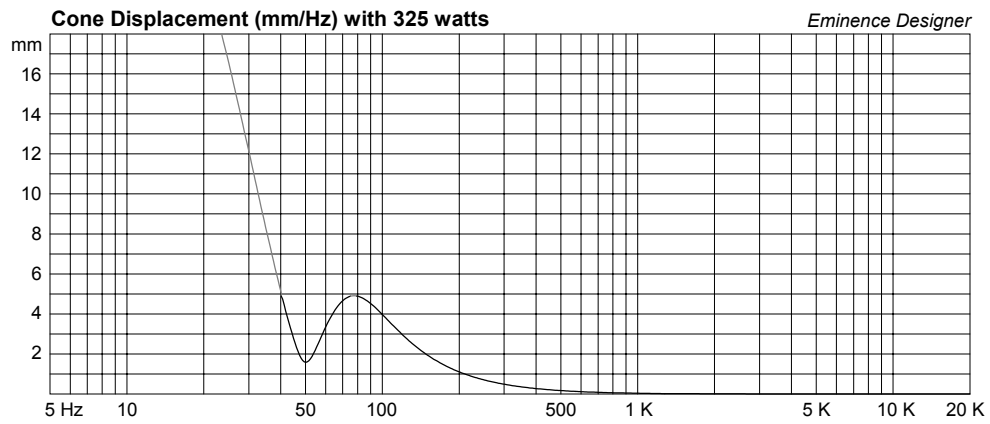
Re = 5.04 ohms [2.52]

Le = 0.46 mH [0.23]

Z = 8 ohms [4]

Pe = 300 watts [600]





DeltaLite-II 2512 4x12 Bass Cabinet

By Jerry McNutt, Eminence Speaker LLC

Displacement Limited to 650 Watts; F3 of 56 Hz. Use a steep High Pass filter set to 40 Hz to protect your woofers.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 7 cu.ft

V(total) = 7.595 cu.ft

Fb = 50 Hz

QL = 7

F3 = 56.31 Hz

Fill = minimal

--Vents--

No. of Vents = 4

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 2.394 in

Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 4

Mounting = Standard

Wiring = Series-Parallel

Drivers sum coherently = Yes

--Driver Parameters--

Fs = 36.98 Hz

Qms = 3.13

Vas = 146.6 liters [586.6]

Xmax = 4.9 mm

Sd = 519.5 sq.cm [2078]

Qes = 0.44

Re = 5.04 ohms [5.04]

Le = 0.46 mH [0.46]

Z = 8 ohms [8]

Pe = 300 watts [1200]

