

DeltaLite-II 2510 Larger Vented Cab, Low Pwr FR PA

By Jerry McNutt, Eminence Speaker LLC

Displacement Limited to 100 Watts if used down to 55 Hz. F3 of 60 Hz. Can handle more power if crossed over higher.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 1.25 cu.ft

V(total) = 1.366 cu.ft

Fb = 58 Hz

QL = 7

F3 = 59.67 Hz

Fill = minimal

--Vents--

No. of Vents = 1

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 4.377 in

Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 52.51 Hz

Qms = 5.76

Vas = 52.51 liters

Xmax = 4.2 mm

Sd = 350.1 sq.cm

Qes = 0.45

Re = 5.06 ohms

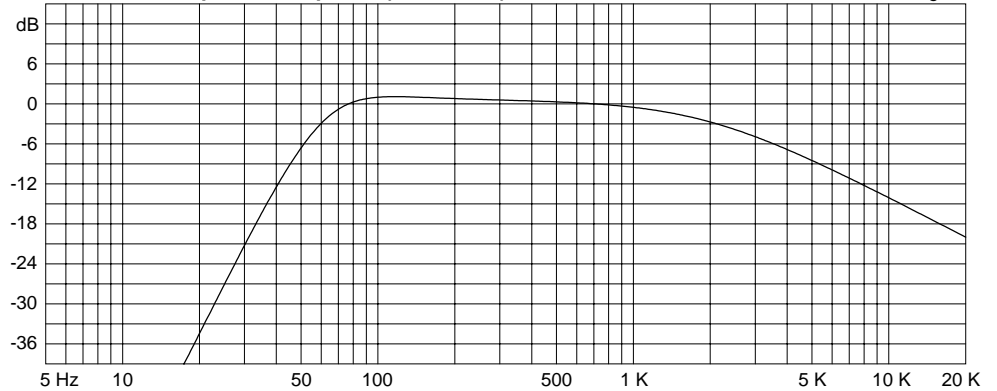
Le = 0.4 mH

Z = 8 ohms

Pe = 300 watts

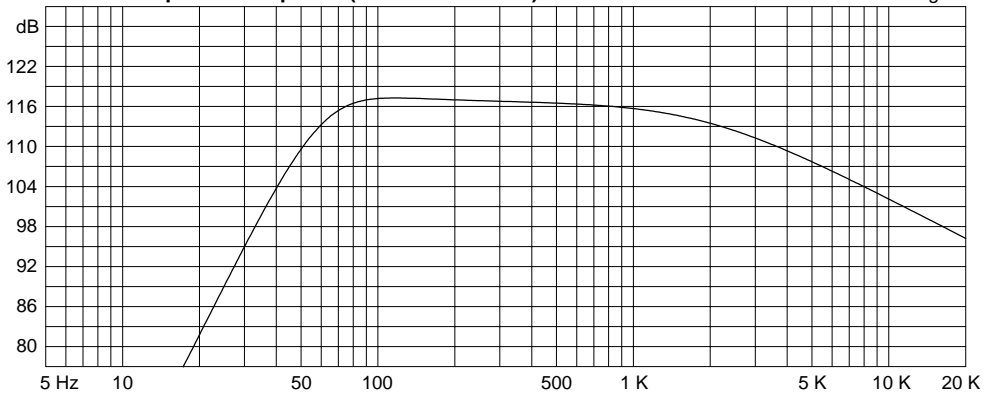
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



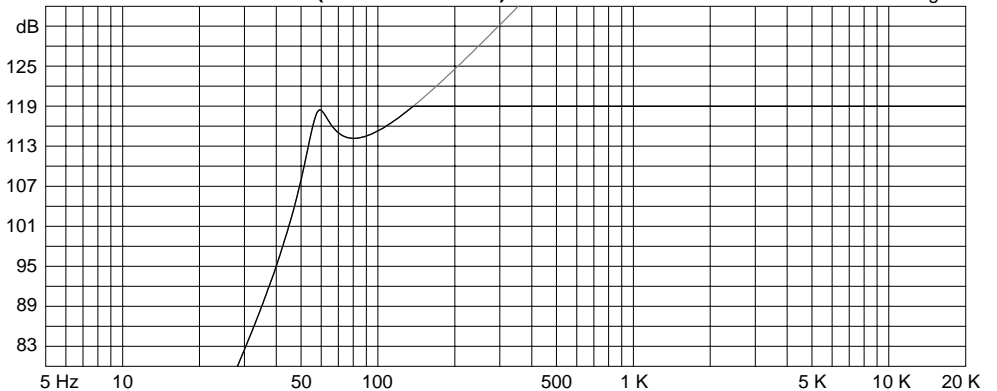
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 100 watts

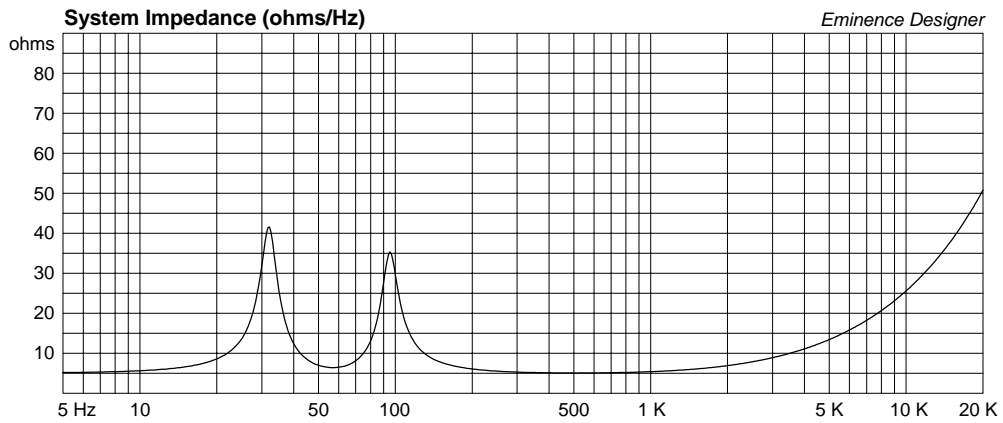
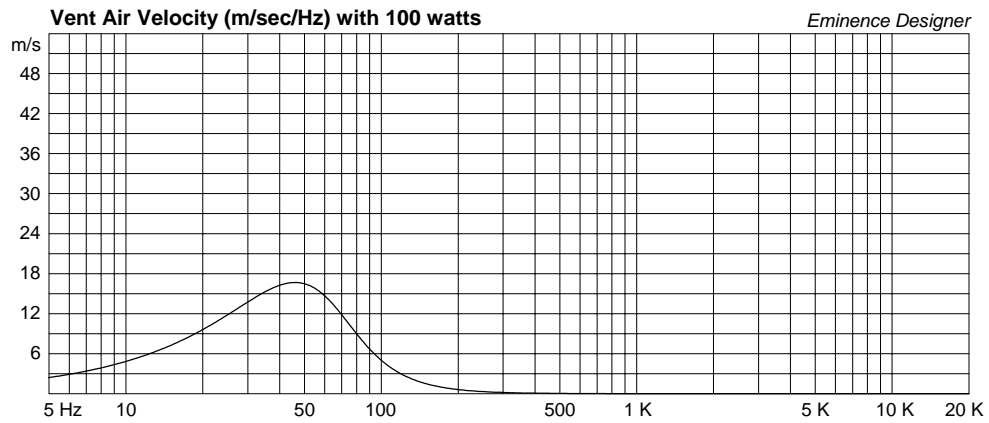
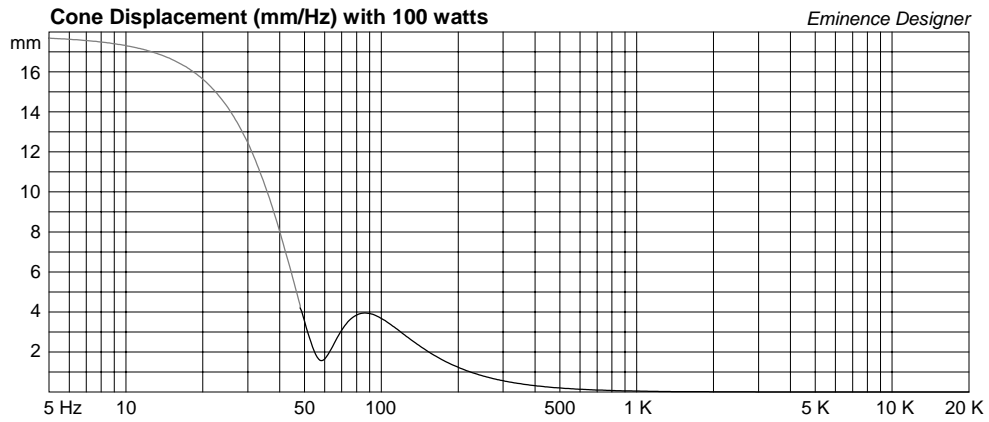
Eminence Designer



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

Eminence Designer





DeltaLite-II 2510 Med Vented Cabinet

By Jerry McNutt, Eminence Speaker LLC

Displacement Limited to 200 Watts if used down to 80 Hz. If used only above 100 Hz then it is Thermally limited to 300 Watts. F3 of 81 Hz.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 0.6 cu.ft

V(total) = 0.733 cu.ft

Fb = 75 Hz

QL = 7

F3 = 81.14 Hz

Fill = minimal

--Vents--

No. of Vents = 1

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 6.437 in

Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 52.51 Hz

Qms = 5.76

Vas = 52.51 liters

Xmax = 4.2 mm

Sd = 350.1 sq.cm

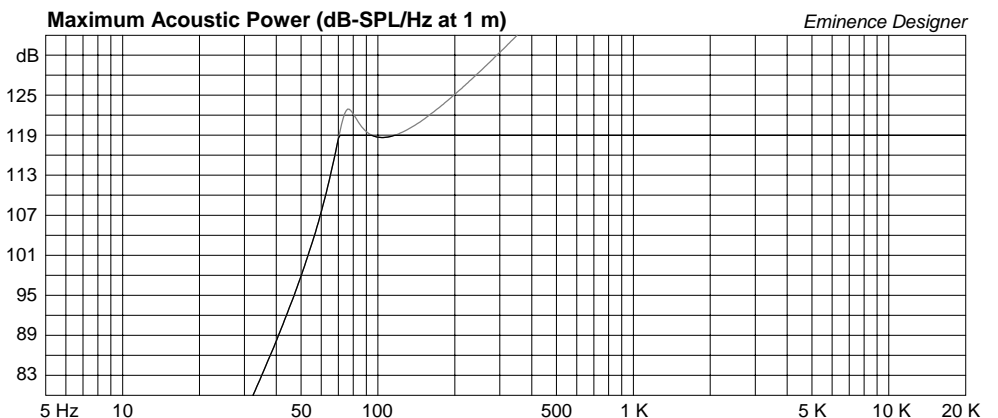
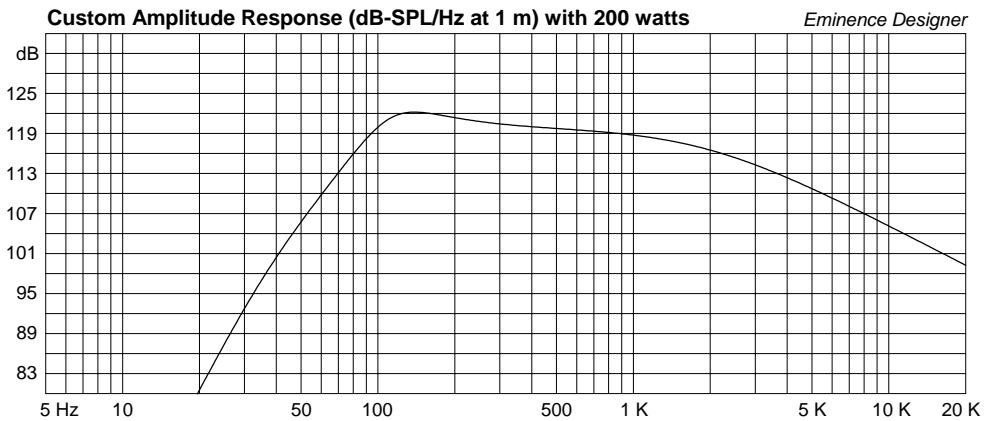
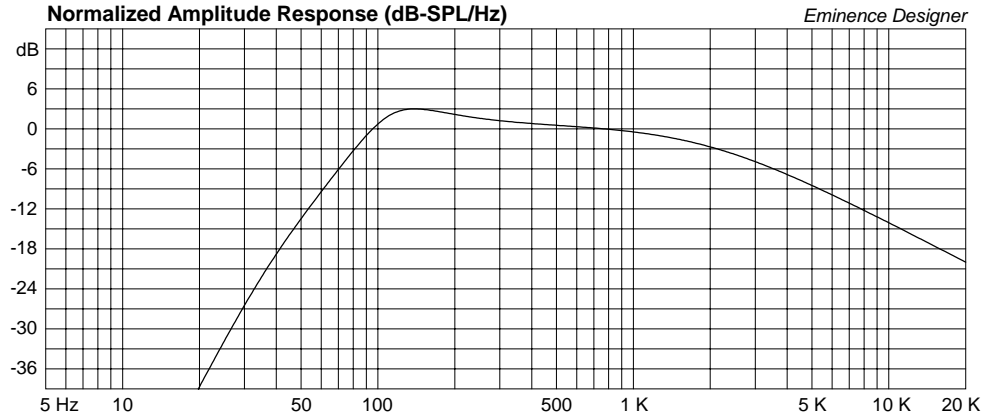
Qes = 0.45

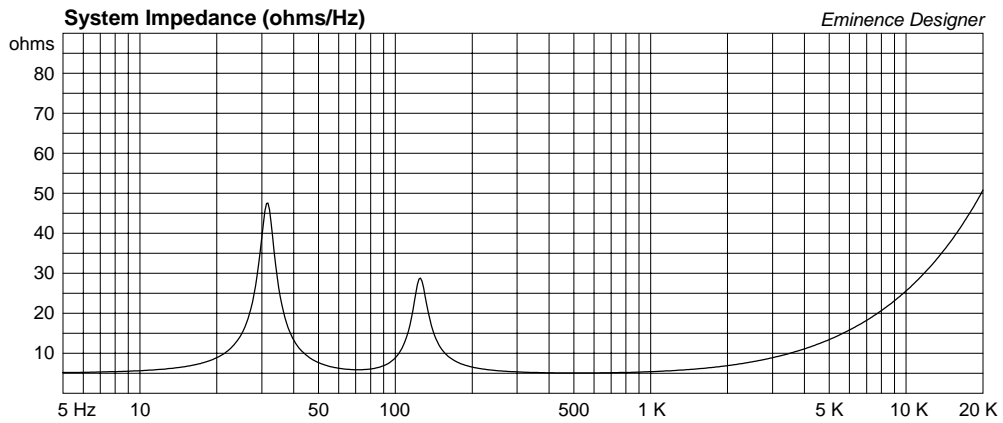
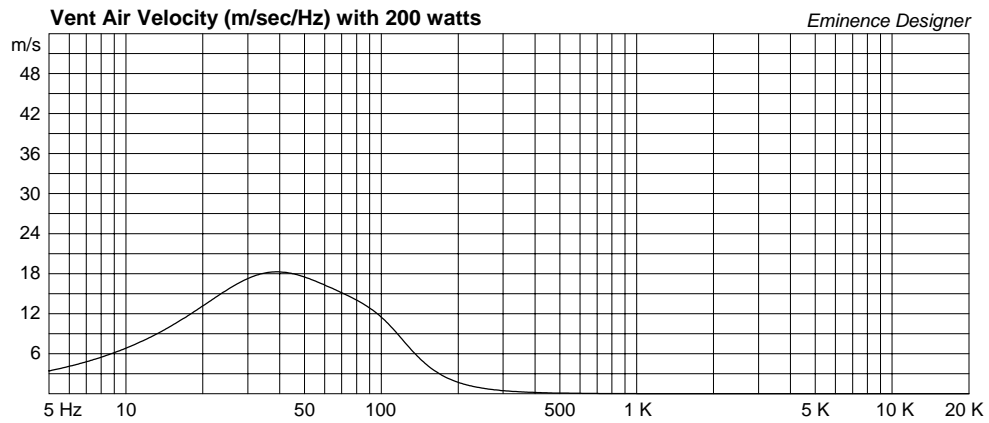
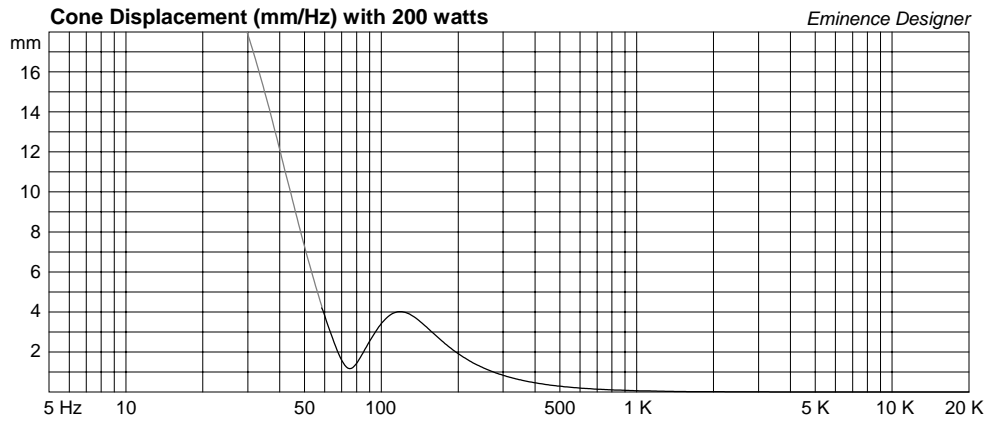
Re = 5.06 ohms

Le = 0.4 mH

Z = 8 ohms

Pe = 300 watts





DeltaLite-II 2510 Small Sealed Mid/Hi or Vocal Wedge

By Jerry McNutt, Eminence Speaker LLC

Limited to 200 Watts; use a steep high pass filter set to 150 Hz or higher.

Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 0.42 cu.ft

V(total) = 0.5 cu.ft

Qtc = 0.74

QL = 20

F3 = 109.1 Hz

Fill = heavy

Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 52.51 Hz

Qms = 5.76

Vas = 52.51 liters

Xmax = 4.2 mm

Sd = 350.1 sq.cm

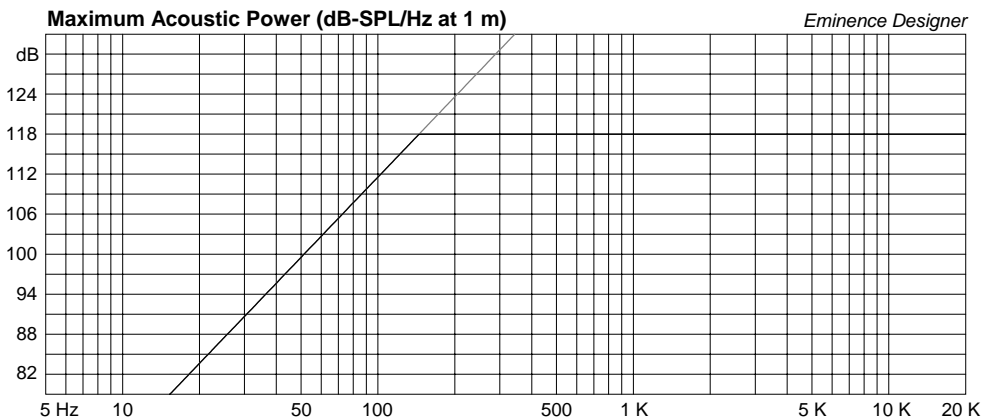
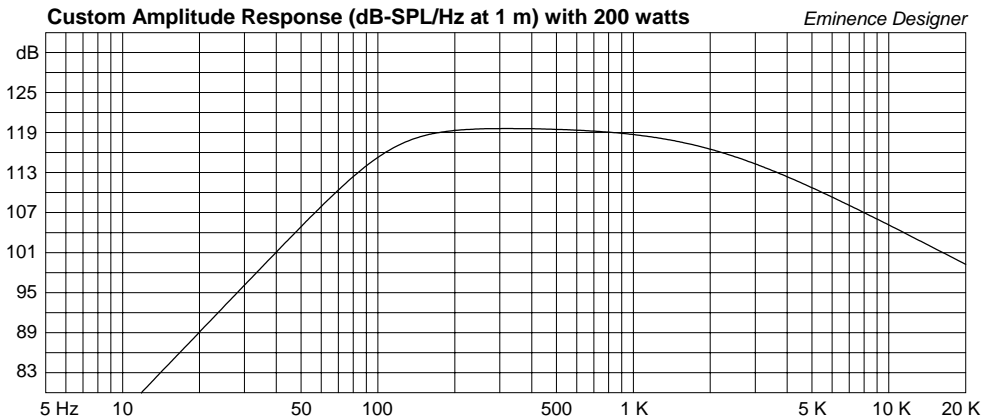
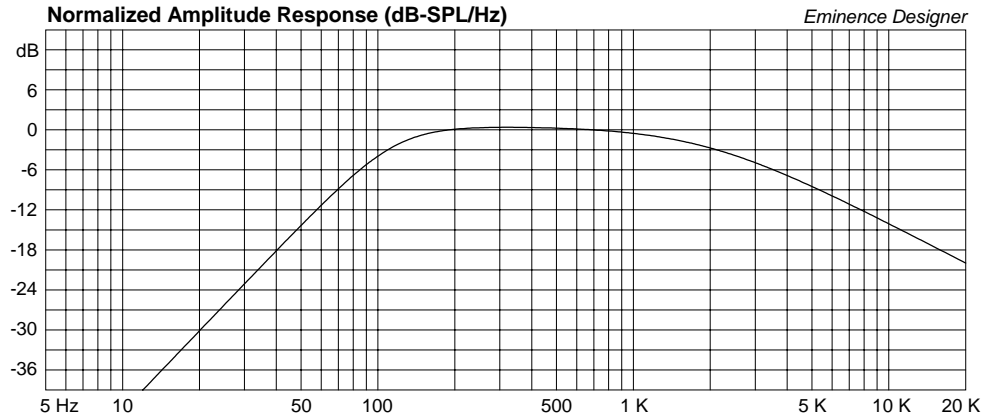
Qes = 0.45

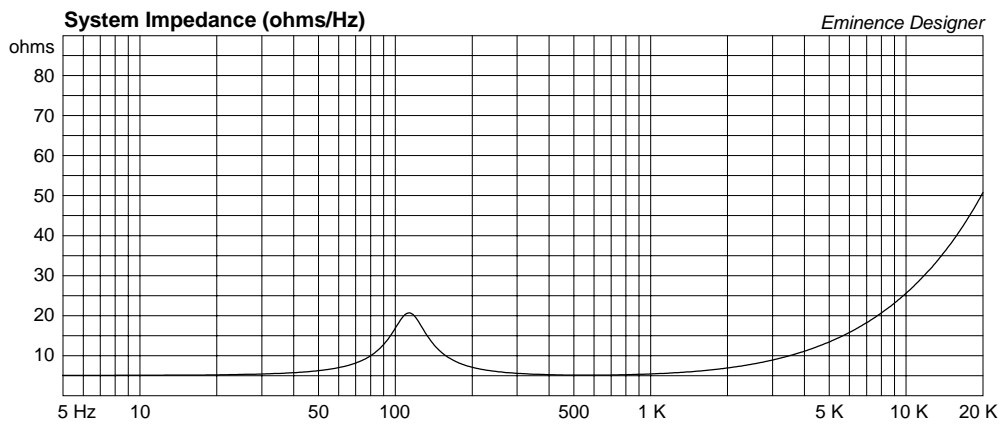
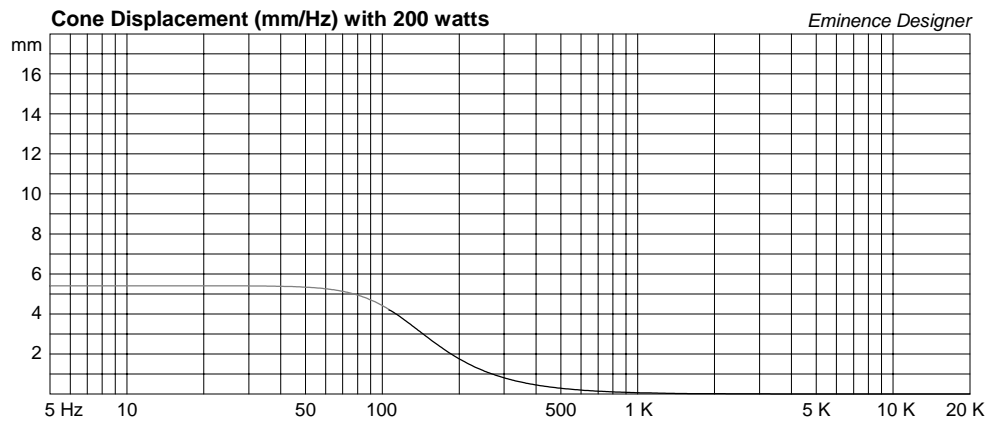
Re = 5.06 ohms

Le = 0.4 mH

Z = 8 ohms

Pe = 250 watts





DeltaLite-II 2510 Small Vented Cabinet

By Jerry McNutt, Eminence Speaker LLC

Thermally Limited to 250 Watts; F3 of 90 Hz. Use a steep high pass filter set to 100 Hz or higher.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 0.5 cu.ft

V(total) = 0.618 cu.ft

Fb = 90 Hz

QL = 7

F3 = 90.19 Hz

Fill = minimal

--Vents--

No. of Vents = 1

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 4.697 in

Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 52.51 Hz

Qms = 5.76

Vas = 52.51 liters

Xmax = 4.2 mm

Sd = 350.1 sq.cm

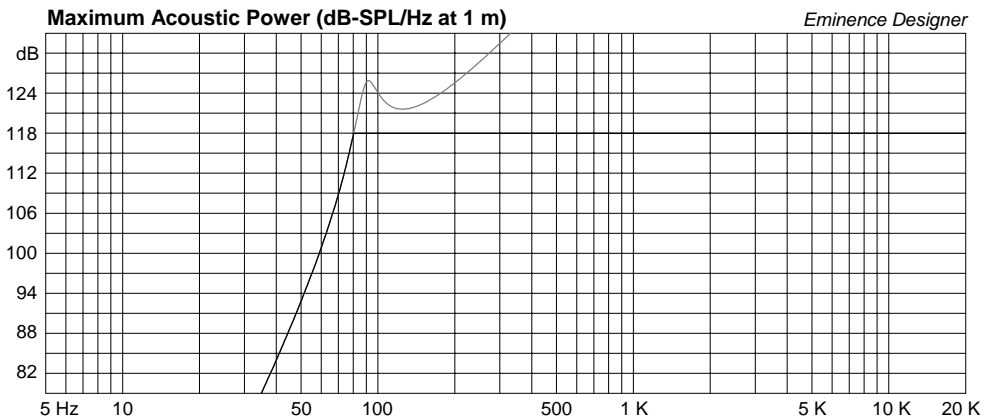
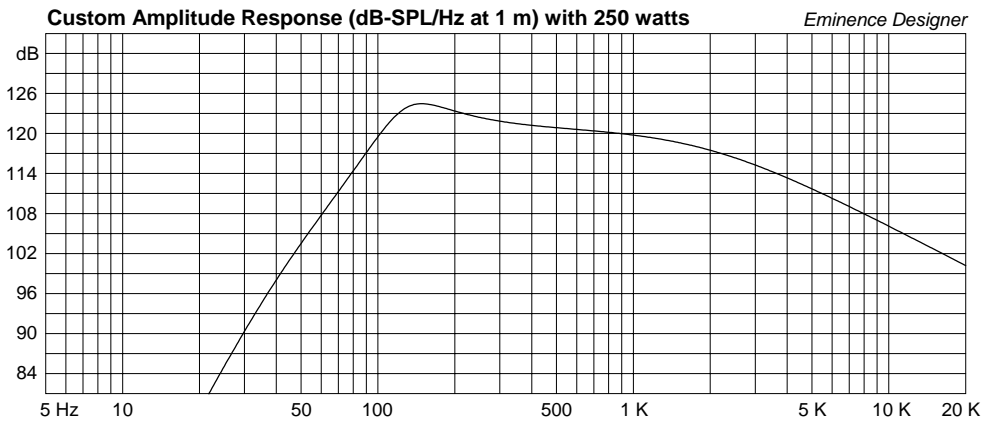
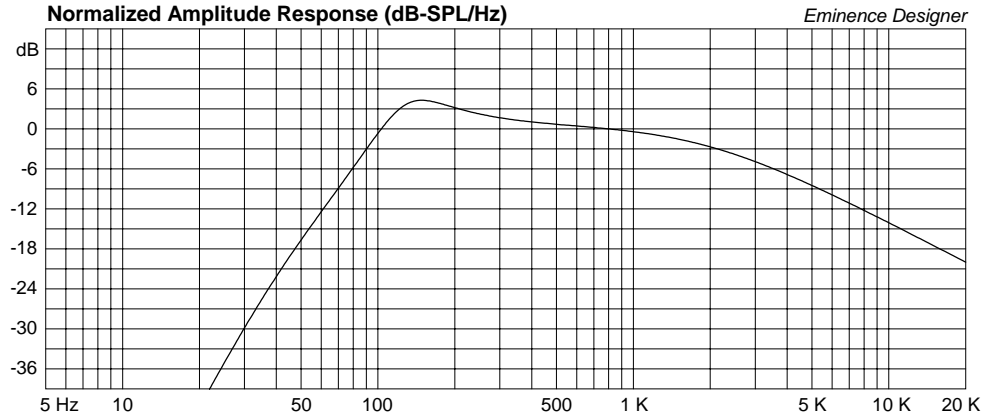
Qes = 0.45

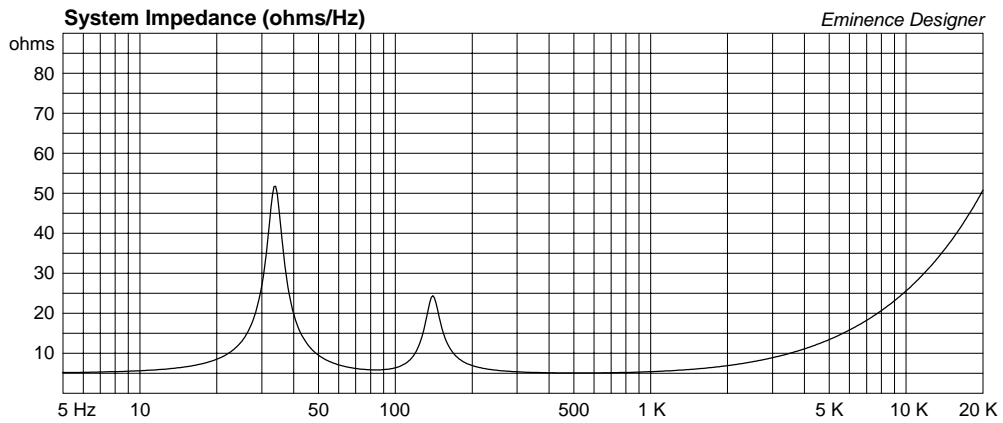
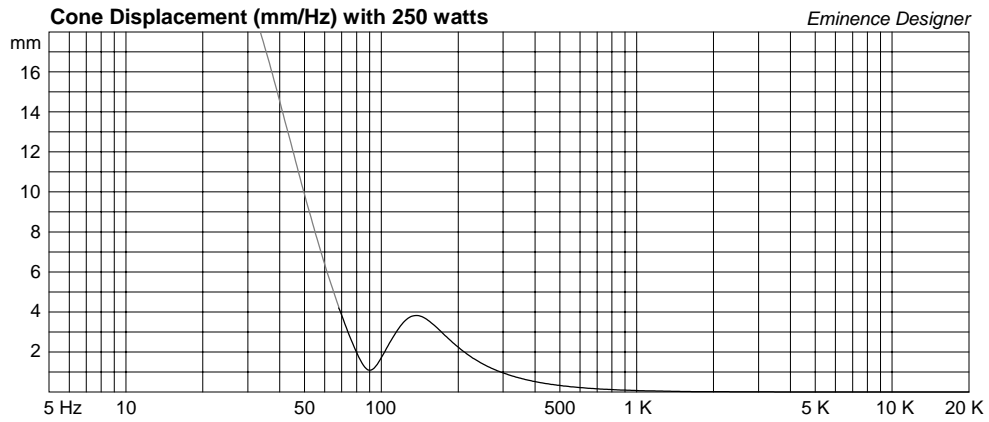
Re = 5.06 ohms

Le = 0.4 mH

Z = 8 ohms

Pe = 250 watts





DeltaLite-II 2510 Med Vented 1x10 Bass Cabinet

By Jerry McNutt, Eminence Speaker LLC

Displacement Limited to 150 Watts; F3 of 72 Hz. Use a High Pass Filter set to 50 Hz or higher.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 0.8 cu.ft

V(total) = 0.969 cu.ft

Fb = 62 Hz

QL = 7

F3 = 71.63 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 3 in

Lv = 9.318 in

Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 52.51 Hz

Qms = 5.76

Vas = 52.51 liters

Xmax = 4.2 mm

Sd = 350.1 sq.cm

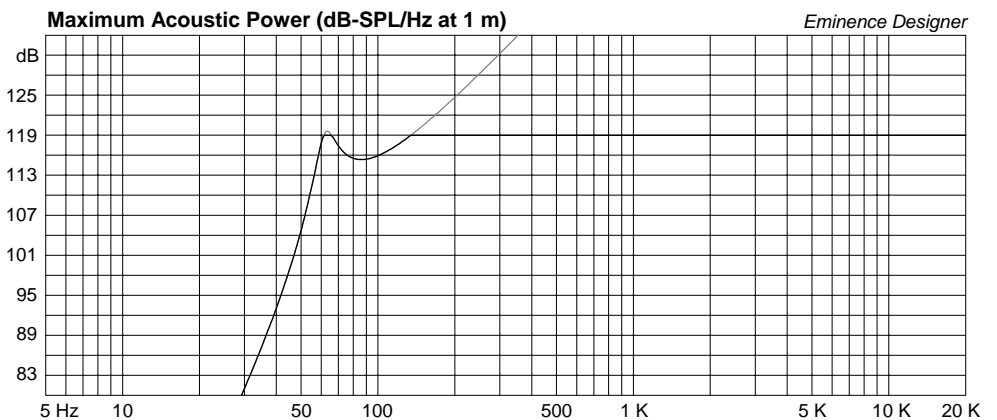
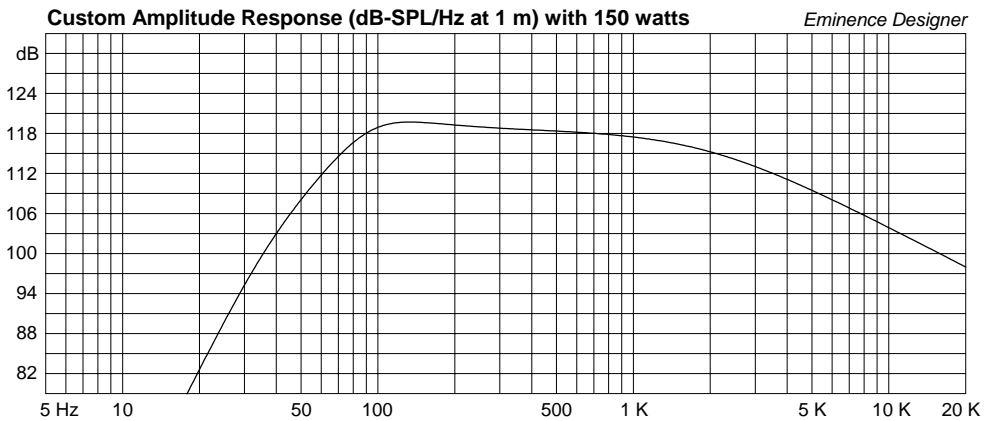
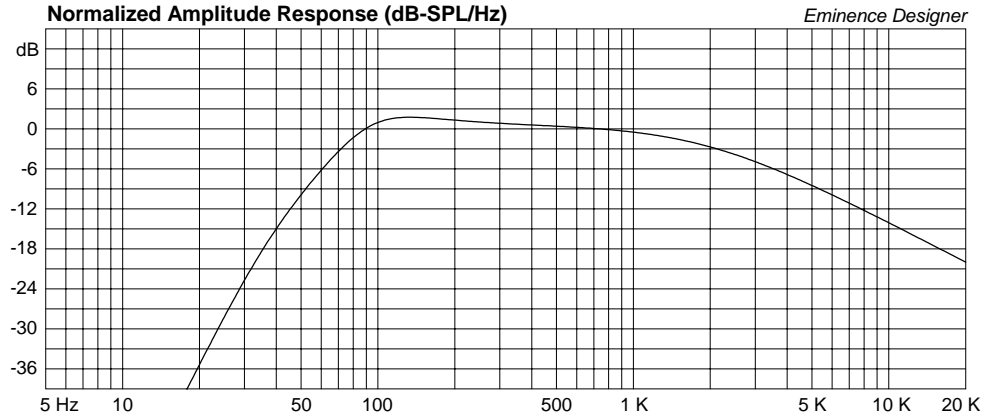
Qes = 0.45

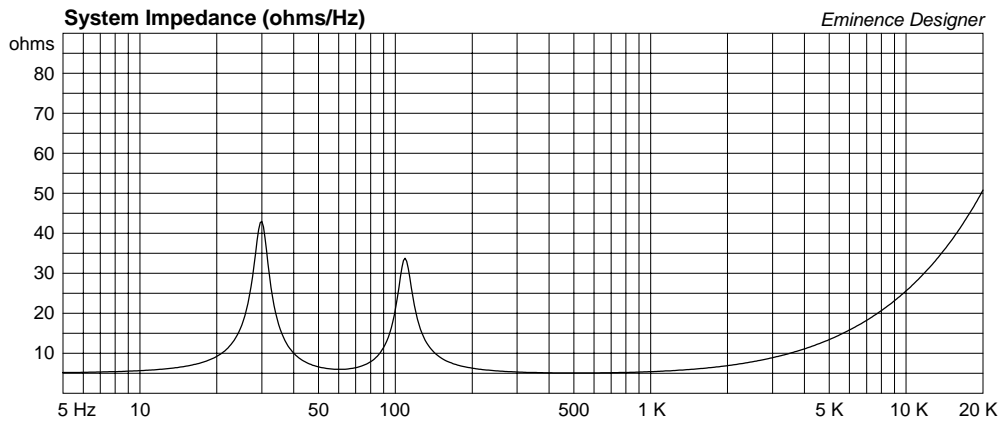
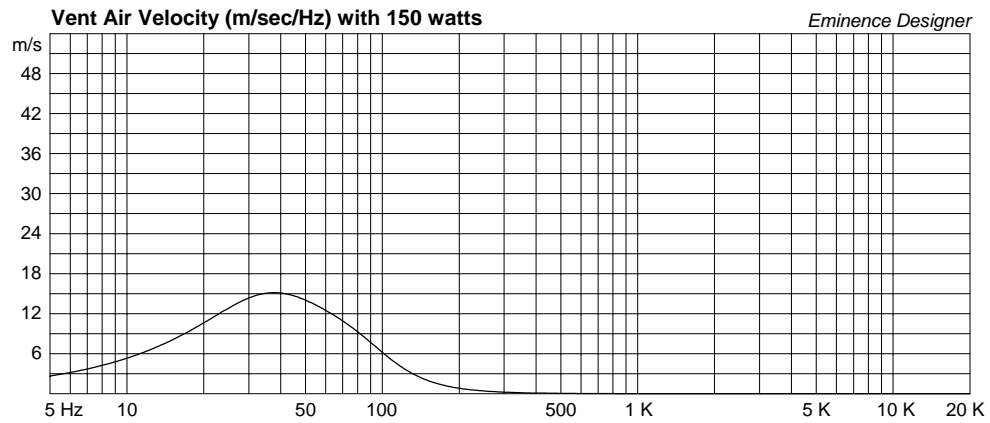
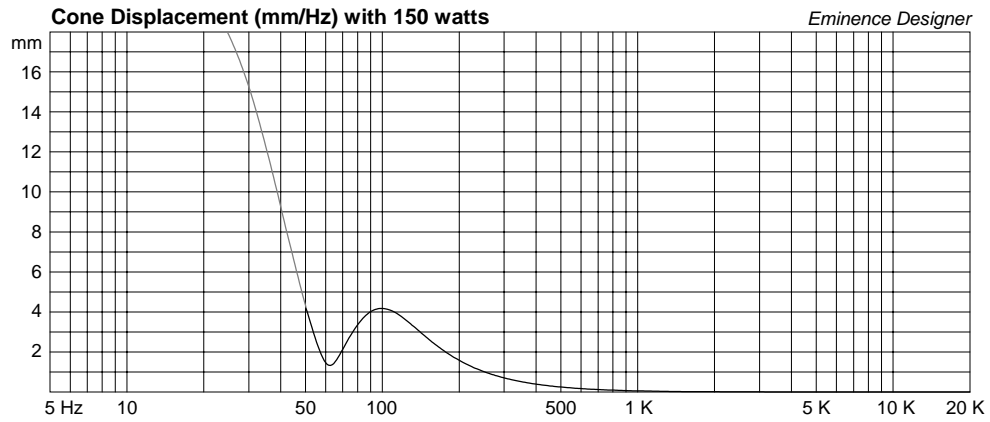
Re = 5.06 ohms

Le = 0.4 mH

Z = 8 ohms

Pe = 300 watts





DeltaLite-II 2510 Med Vented 2x10 Bass Guitar Cabinet

By Jerry McNutt, Eminence Speaker LLC

Displacement Limited to 200 Watts; F3 of 58 Hz. Use a High Pass Filter set to 40 Hz.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 2.75 cu.ft

V(total) = 3.038 cu.ft

Fb = 51.38 Hz

QL = 7

F3 = 58.08 Hz

Fill = minimal

--Vents--

No. of Vents = 4

Vent shape = round

Vent ends = one flush

Dv = 3 in

Lv = 6.676 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 = 52.51 Hz

Qms = 5.76

Vas = 52.51 liters [105]

Xmax = 4.2 mm

Sd = 350.1 sq.cm [700.2]

Qes = 0.45

Re = 5.06 ohms [2.53]

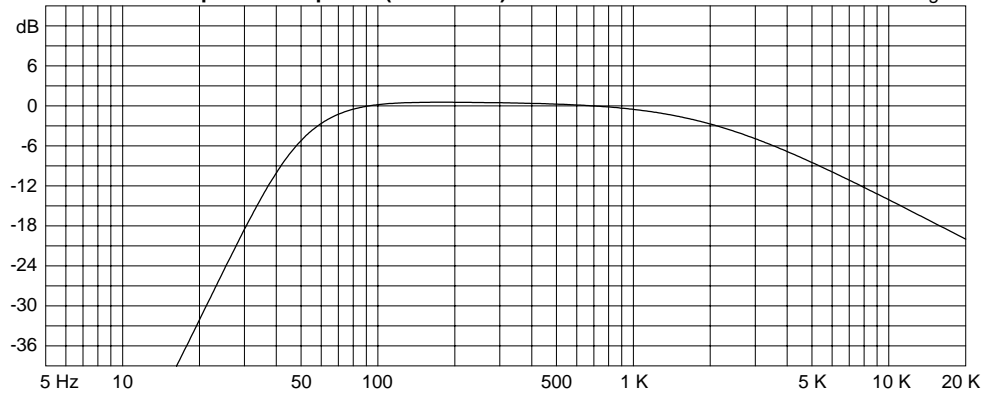
Le = 0.4 mH [0.2]

Z = 8 ohms [4]

Pe = 300 watts [600]

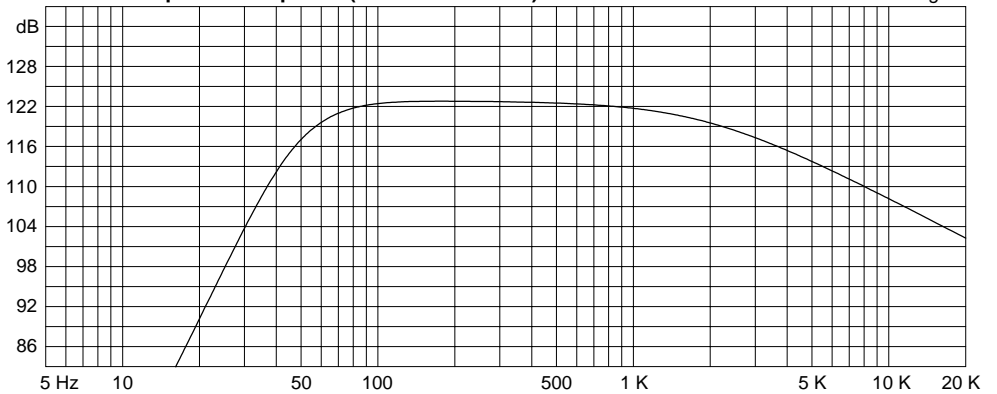
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



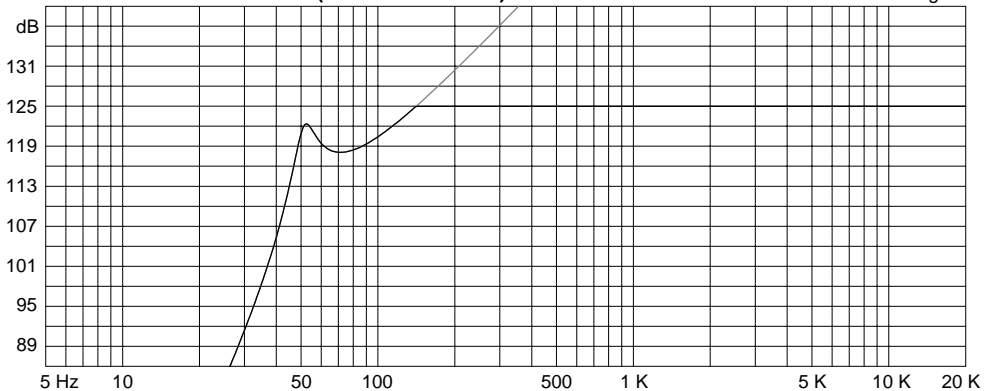
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 200 watts

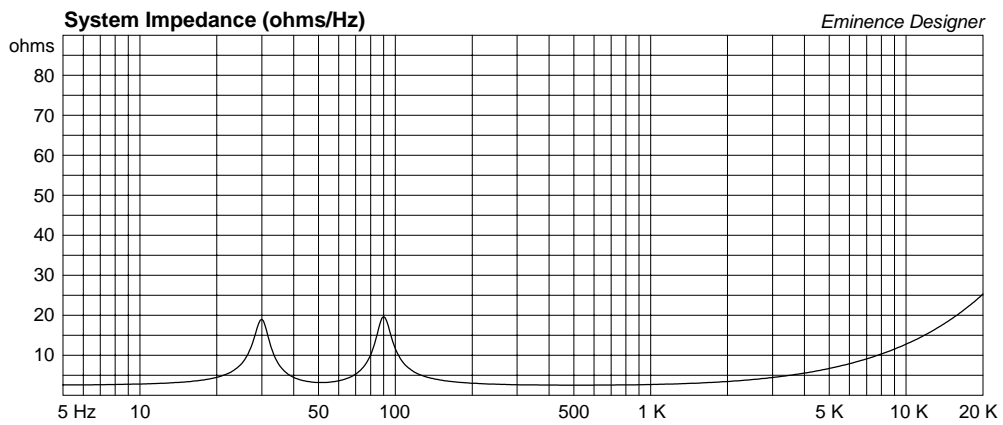
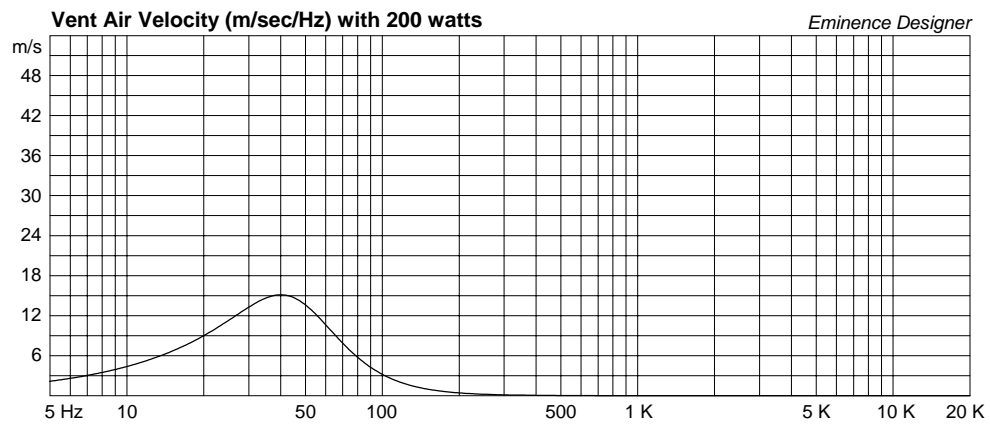
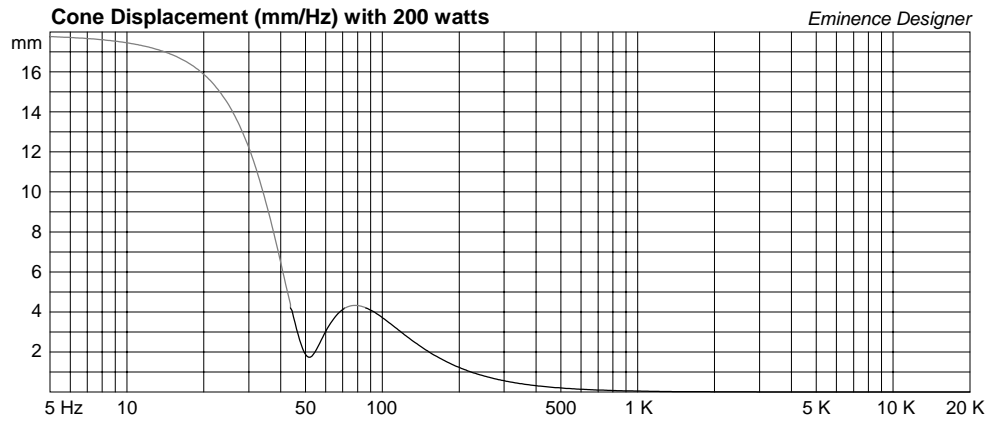
Eminence Designer



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

Eminence Designer





DeltaLite-II 2510 4x10 Bass Guitar Cabinet

By Jerry McNutt, Eminence Speaker LLC

Displacement Limited to 400 Watts; F3 of 61 Hz. Use a High Pass Filter set to 40 Hz.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 4.8 cu.ft

V(total) = 5.272 cu.ft

Fb = 53.42 Hz

QL = 7

F3 = 61.3 Hz

Fill = minimal

--Vents--

No. of Vents = 4

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 4.63 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 = 52.51 Hz

Qms = 5.76

Vas = 52.51 liters [210]

Xmax = 4.2 mm

Sd = 350.1 sq.cm [1400]

Qes = 0.45

Re = 5.06 ohms [5.06]

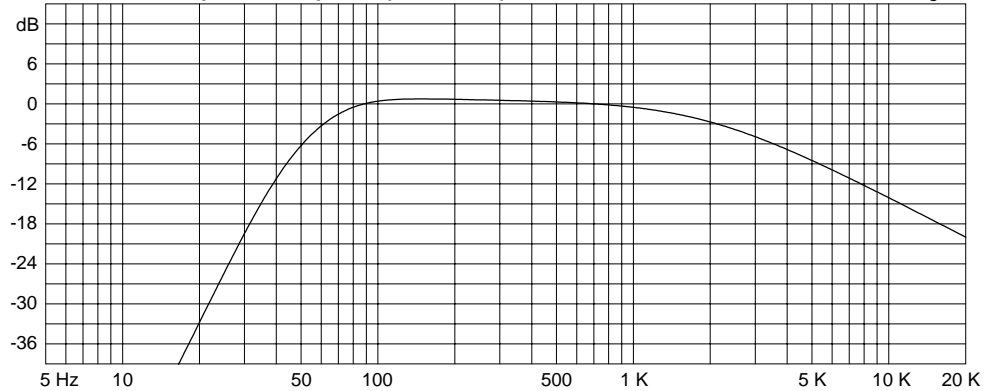
Le = 0.4 mH [0.4]

Z = 8 ohms [8]

Pe = 300 watts [1200]

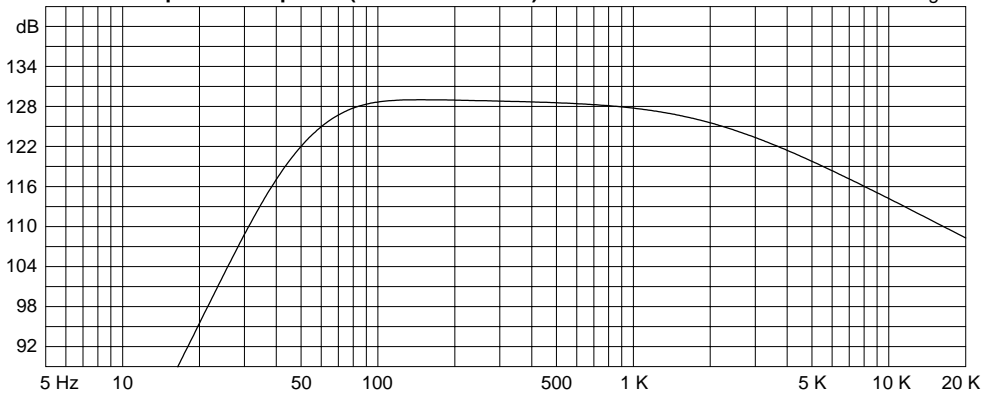
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



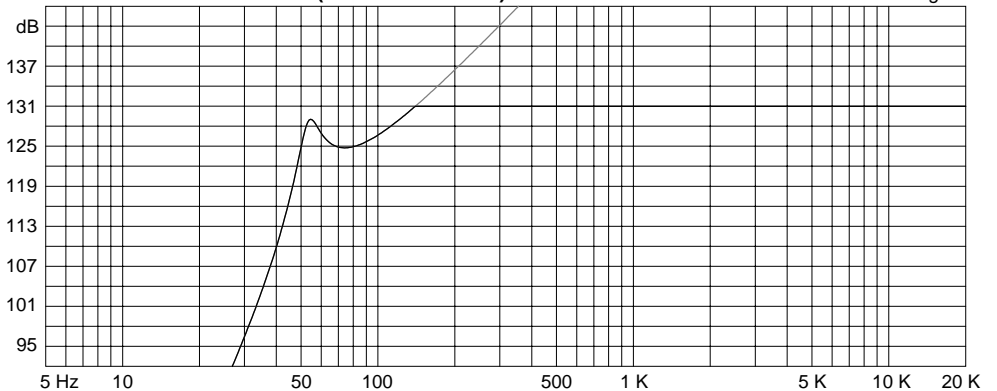
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 400 watts

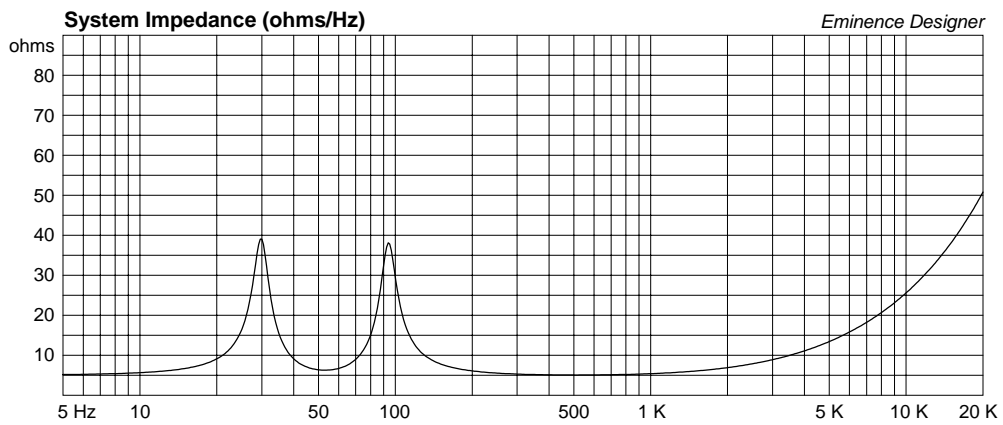
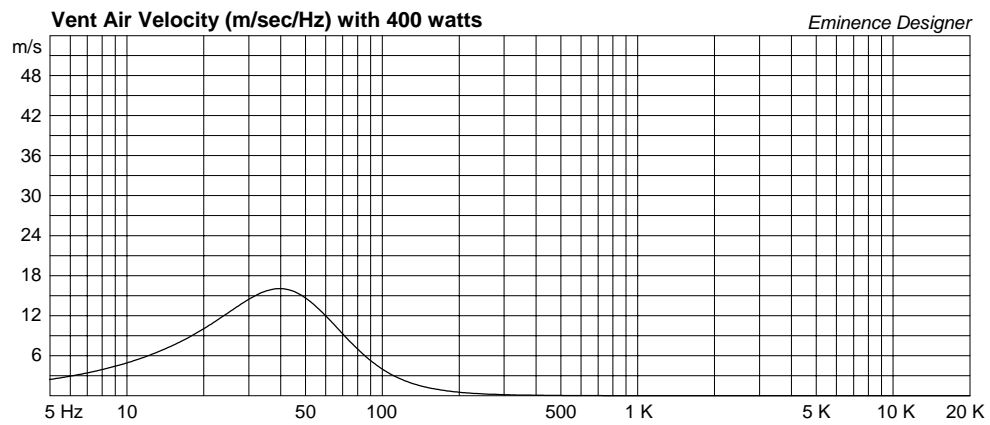
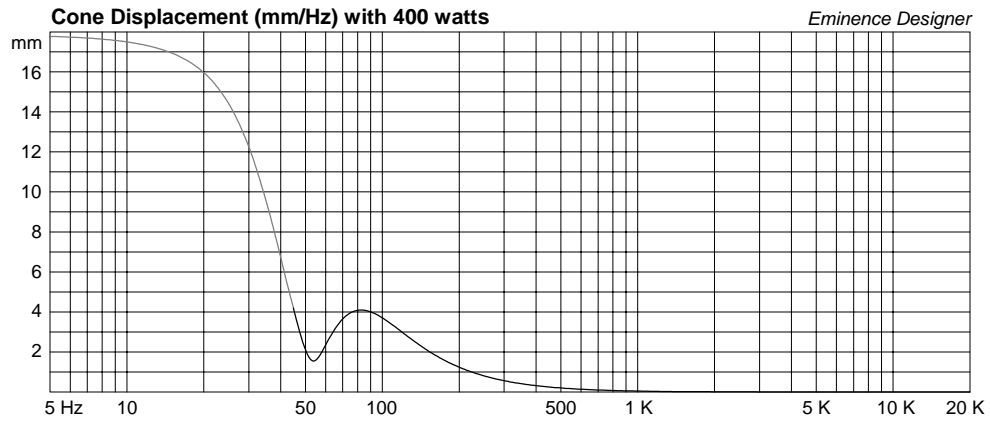
Eminence Designer



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

Eminence Designer





DeltaLite-II 2510 Small 2x10 Bass Guitar Mid/High Cabinet

By Jerry McNutt, Eminence Speaker LLC

Displacement Limited to 500 Watts; F3 of 85 Hz. Use a High Pass Filter set to 120 Hz. Use on top of a 15" or 18" Sub cabinet.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 1.007 cu.ft

V(total) = 1.248 cu.ft

Fb = 85 Hz

QL = 7

F3 = 88.58 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 4.925 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 = 52.51 Hz

Qms = 5.76

Vas = 52.51 liters [105]

Xmax = 4.2 mm

Sd = 350.1 sq.cm [700.2]

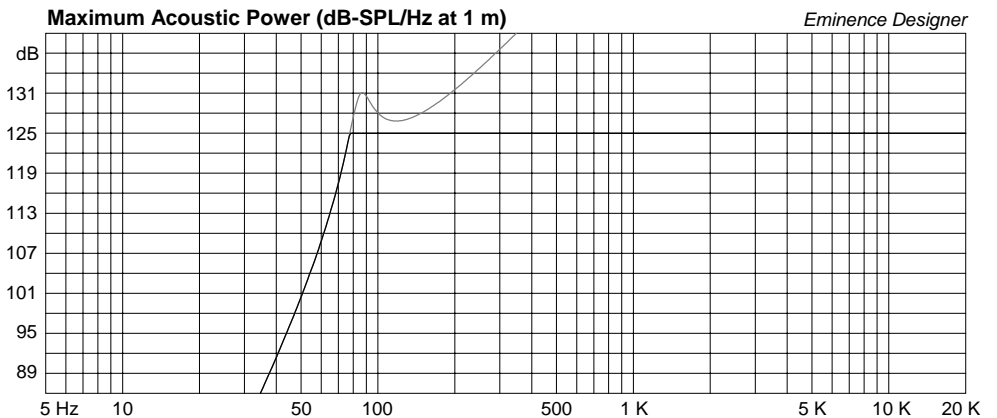
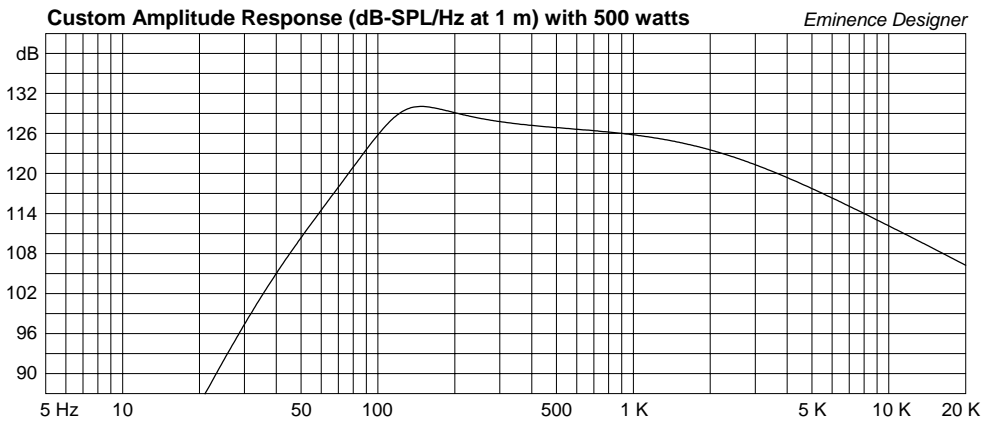
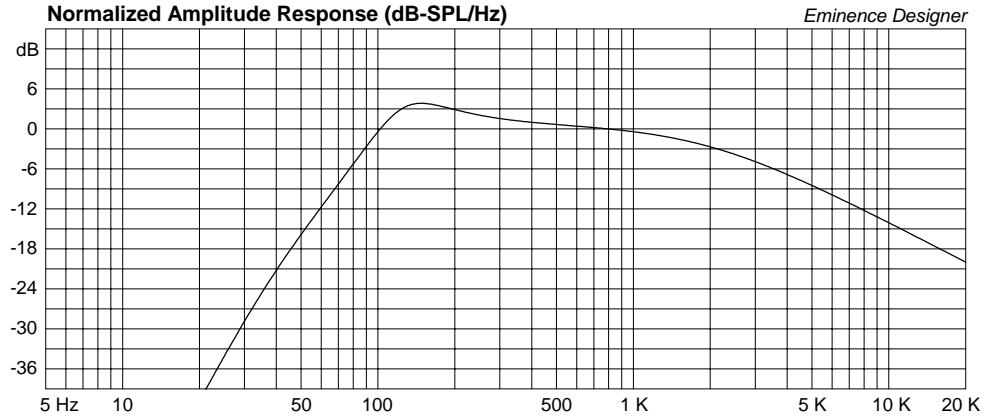
Qes = 0.45

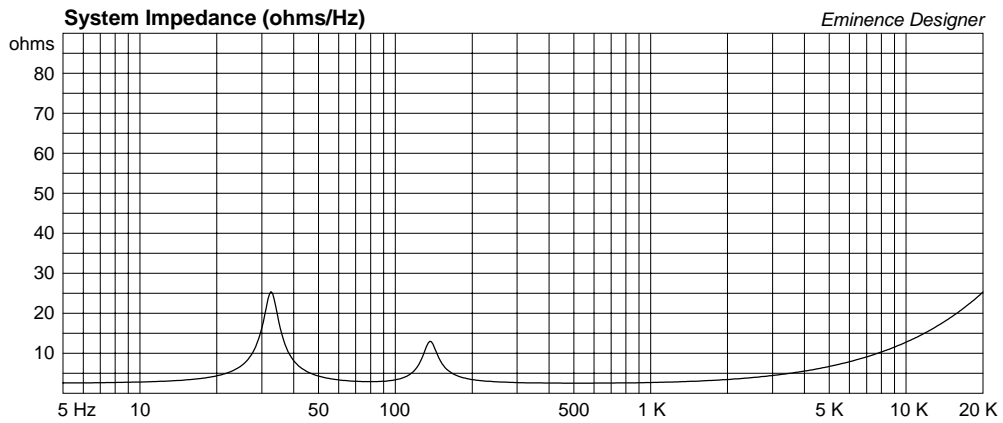
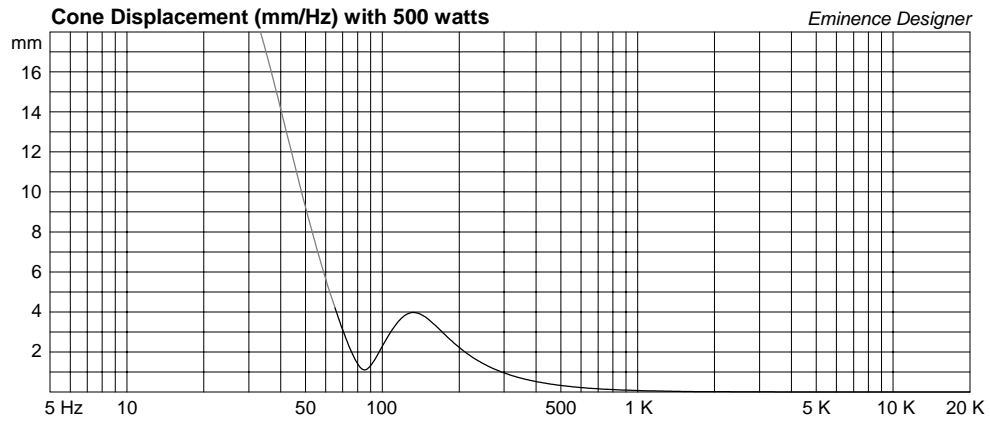
Re = 5.06 ohms [2.53]

Le = 0.4 mH [0.2]

Z = 8 ohms [4]

Pe = 300 watts [600]





DeltaLite-II 2510 4x10 Bass Guitar Hi Pwr Mid/High Cabinet

By Jerry McNutt, Eminence Speaker LLC

Displacement Limited to 800 Watts; F3 of 85 Hz. Use a High Pass Filter set to 100 Hz. Use this on top of a double 15" or 18" Cabinet.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 2.2 cu.ft

V(total) = 2.662 cu.ft

Fb = 80 Hz

QL = 7

F3 = 84.75 Hz

Fill = minimal

--Vents--

No. of Vents = 4

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 4.35 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 = 52.51 Hz

Qms = 5.76

Vas = 52.51 liters [210]

Xmax = 4.2 mm

Sd = 350.1 sq.cm [1400]

Qes = 0.45

Re = 5.06 ohms [5.06]

Le = 0.4 mH [0.4]

Z = 8 ohms [8]

Pe = 300 watts [1200]

