

DeltaLite-II 2515 Larger Vented Cab, Med Pwr FR PA

By Jerry McNutt, Eminence Speaker LLC

Displacement Limited to 250 Watts; F3 of 54 Hz. Use a steep high pass filter set to 40 Hz or higher to protect woofer from overexcursion.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 3.9 cu.ft

V(total) = 4.159 cu.ft

Fb = 53 Hz

QL = 7

F3 = 53.77 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 1.674 in

Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 42.34 Hz

Qms = 4.56

Vas = 203.9 liters

Xmax = 4.8 mm

Sd = 856.3 sq.cm

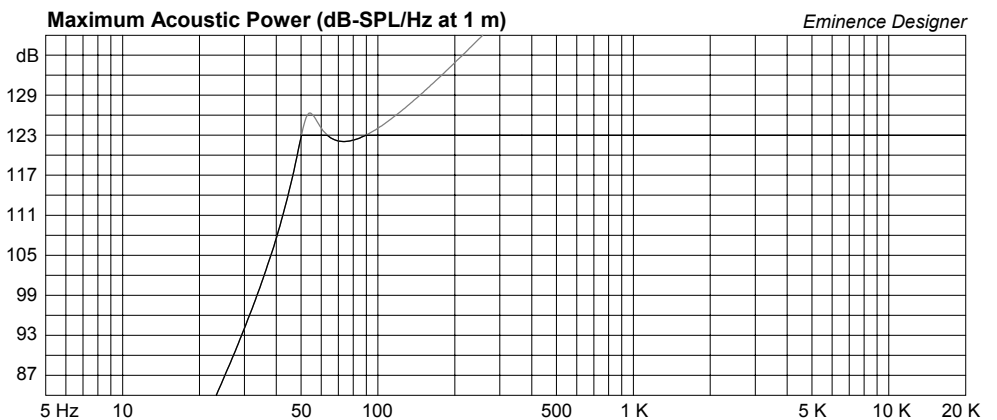
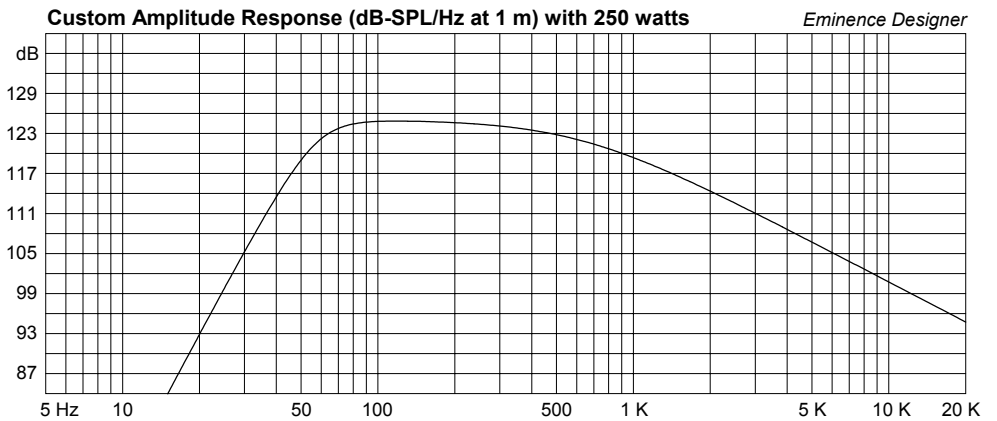
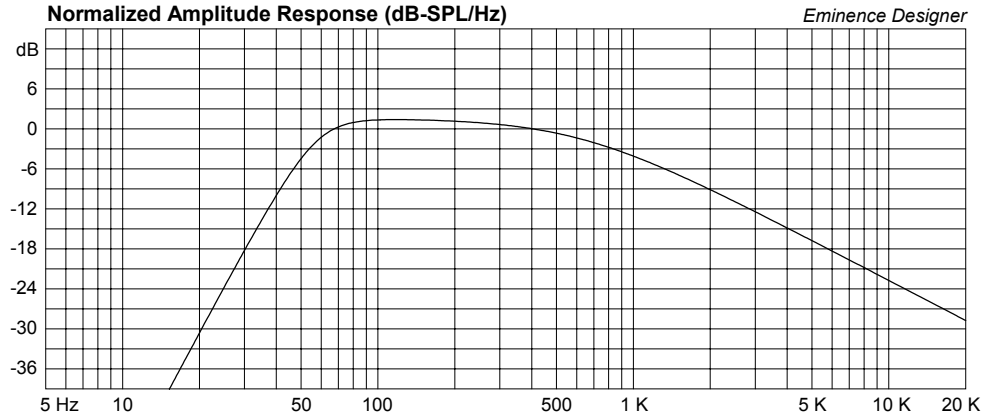
Qes = 0.41

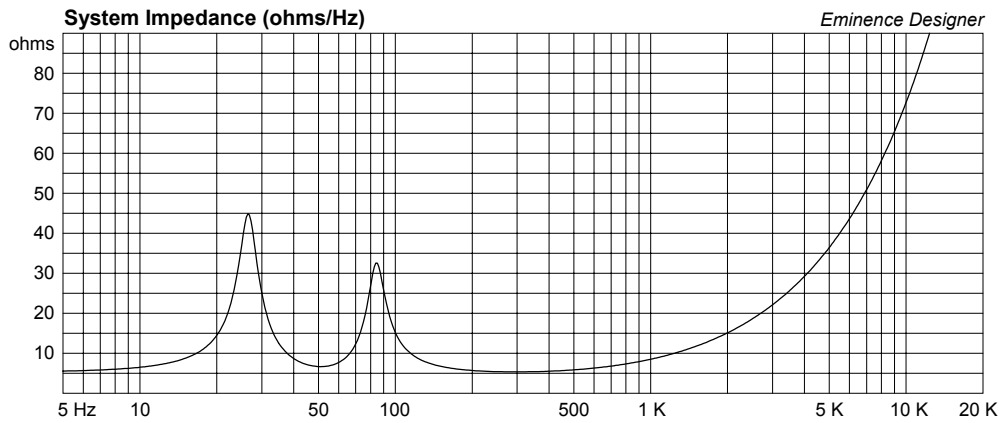
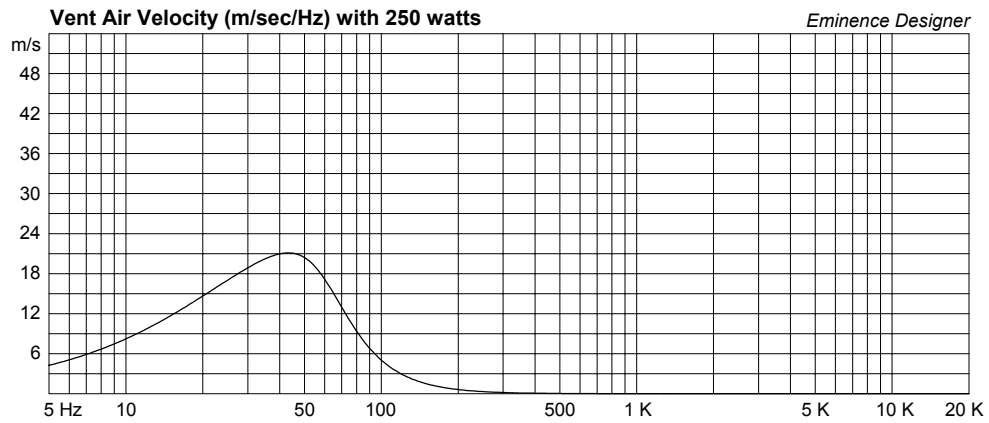
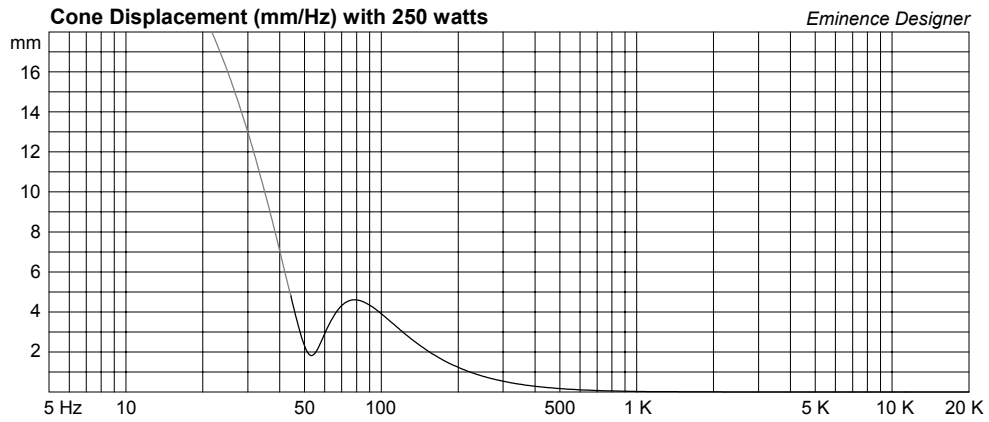
Re = 5.29 ohms

Le = 1.15 mH

Z = 8 ohms

Pe = 300 watts





DeltaLite-II 2515 Vented Cab for FR PA, or Bass Guitar

By Jerry McNutt, Eminence Speaker LLC

300 Watt Thermal Limit; F3 of 66 Hz. Use a steep high pass filter set to 45 Hz or higher to protect woofer from overexcursion.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 2.3 cu.ft

V(total) = 2.62 cu.ft

Fb = 55 Hz

QL = 7

F3 = 66.63 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 5.369 in

Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 42.34 Hz

Qms = 4.56

Vas = 203.9 liters

Xmax = 4.8 mm

Sd = 856.3 sq.cm

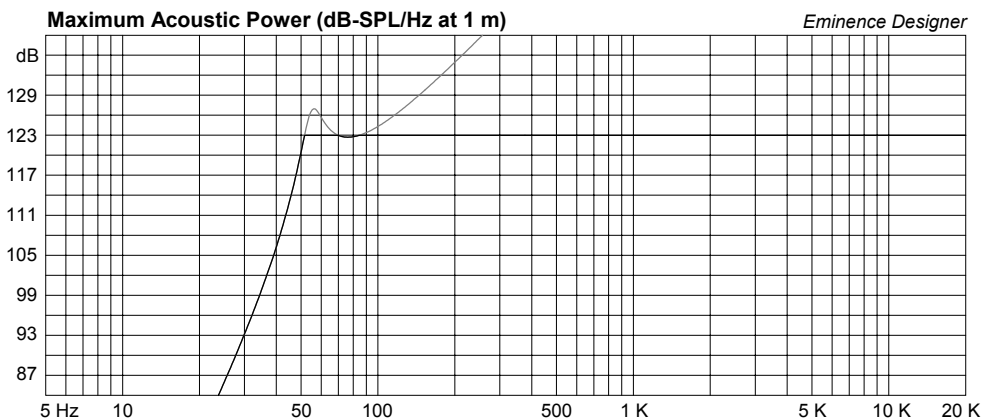
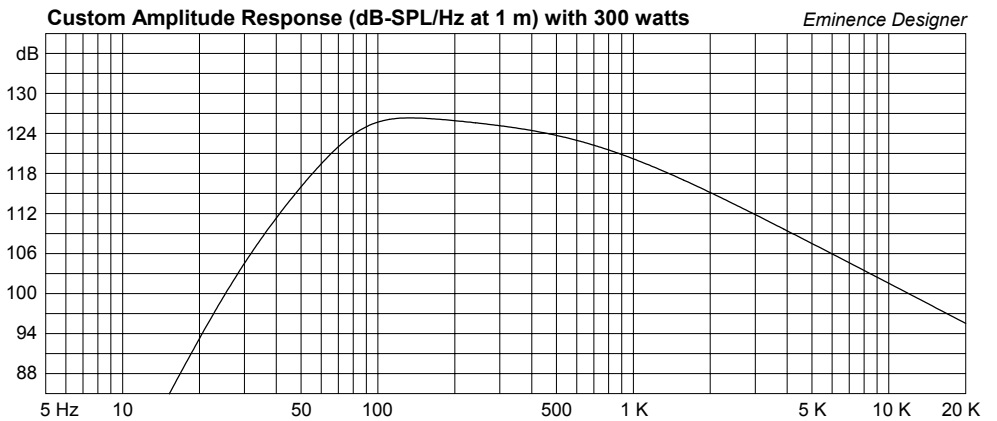
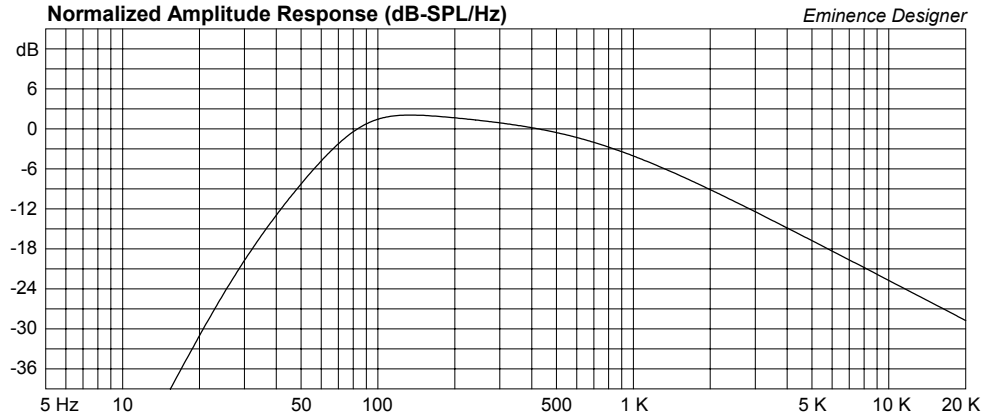
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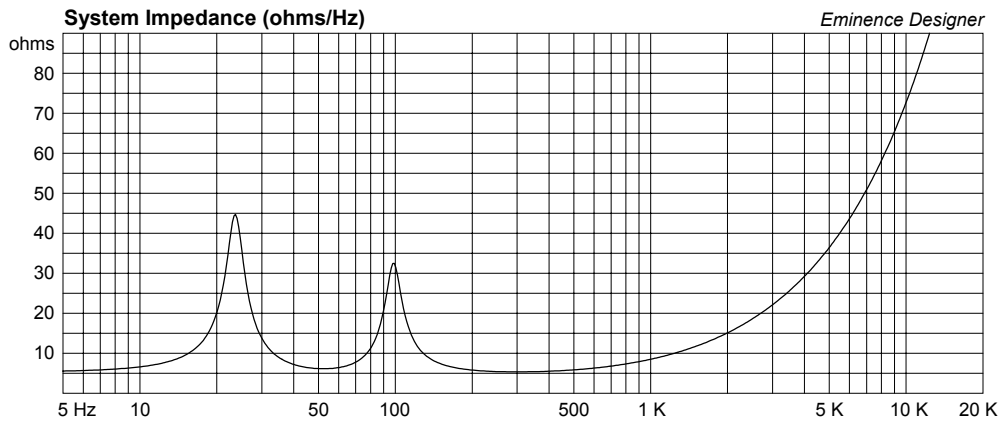
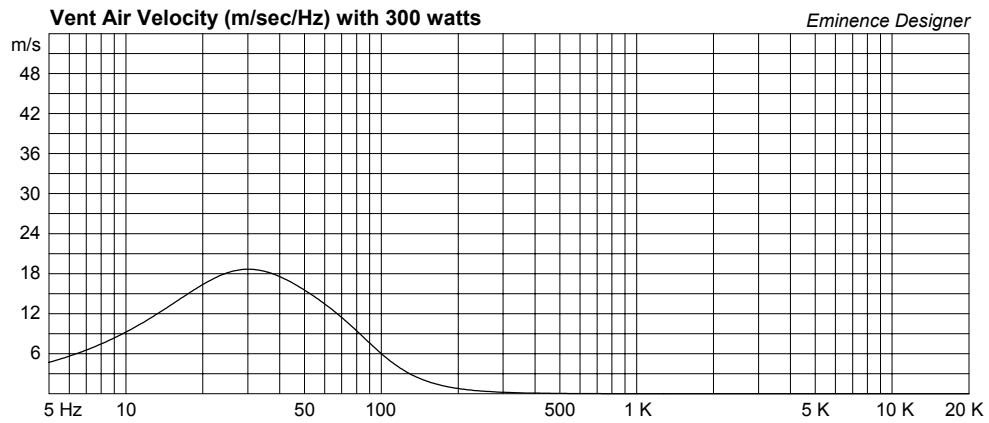
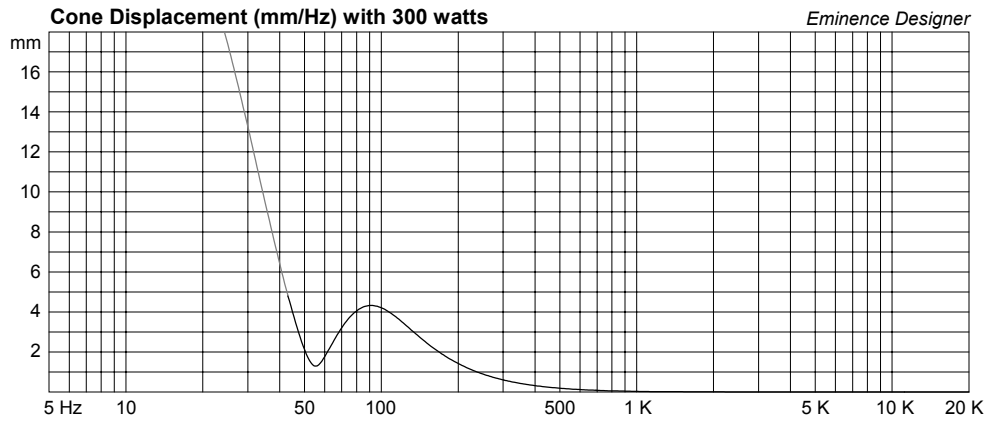
Re = 5.29 ohms

Le = 1.15 mH

Z = 8 ohms

Pe = 300 watts





DeltaLite-II 2515 Small Sealed Cab, or Vocal Monitor

By Jerry McNutt, Eminence Speaker LLC

Limited to 225 Watts; use a steep high pass filter set to 125 Hz or higher.

Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 1.4 cu.ft

V(total) = 1.632 cu.ft

Qtc = 0.717

QL = 20

F3 = 96.33 Hz

Fill = heavy

Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 42.34 Hz

Qms = 4.56

Vas = 203.9 liters

Xmax = 4.8 mm

Sd = 856.3 sq.cm

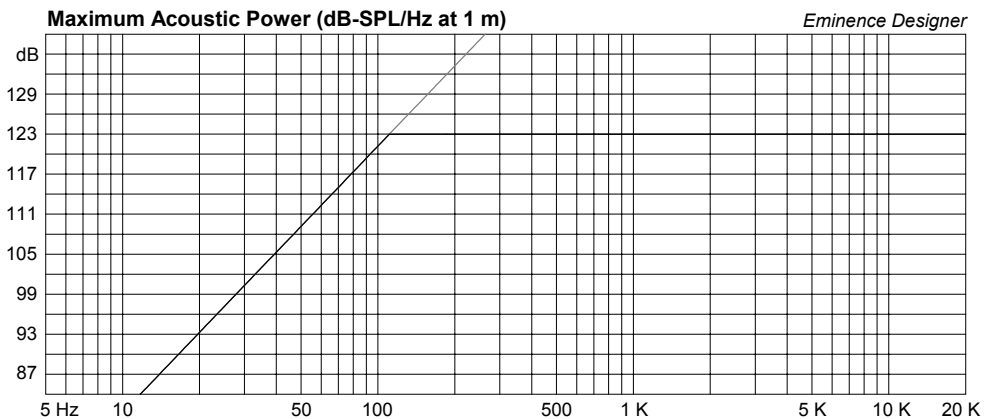
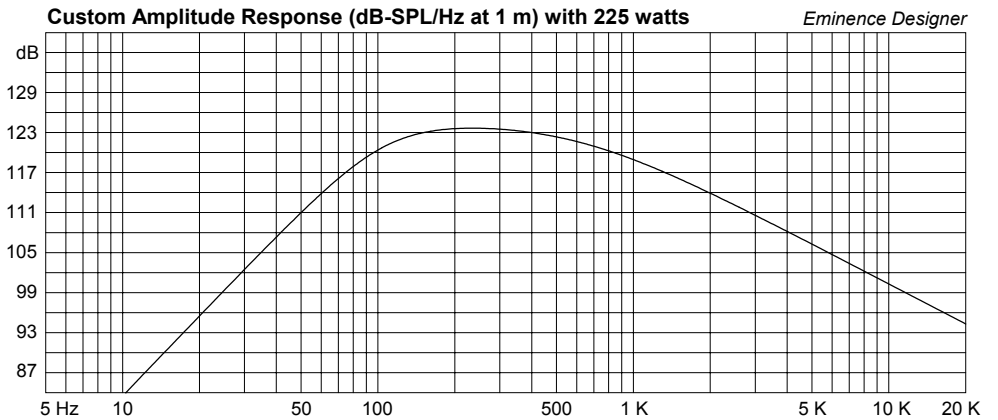
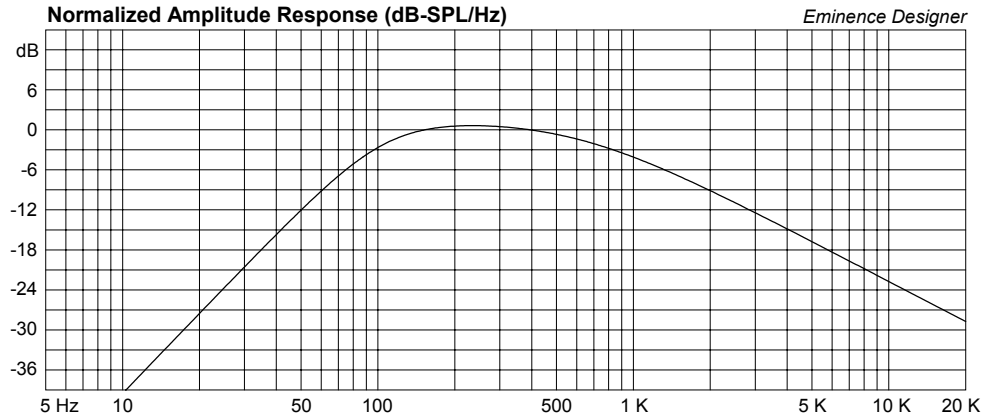
Qes = 0.41

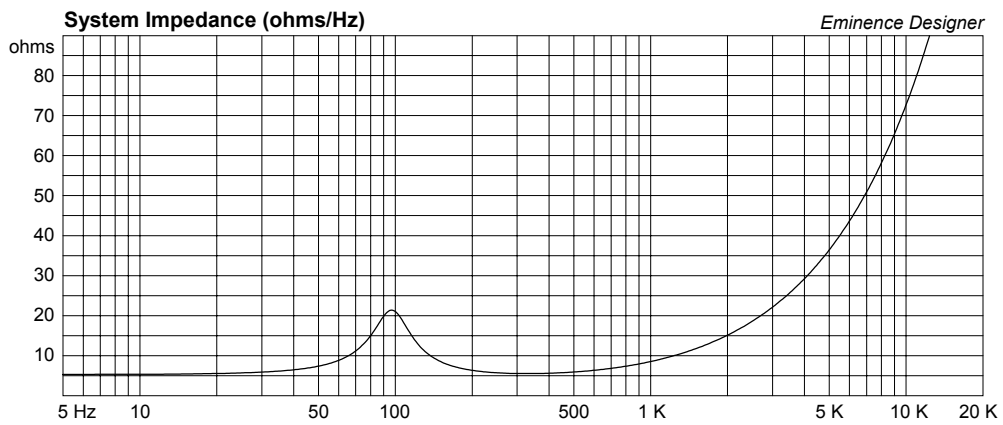
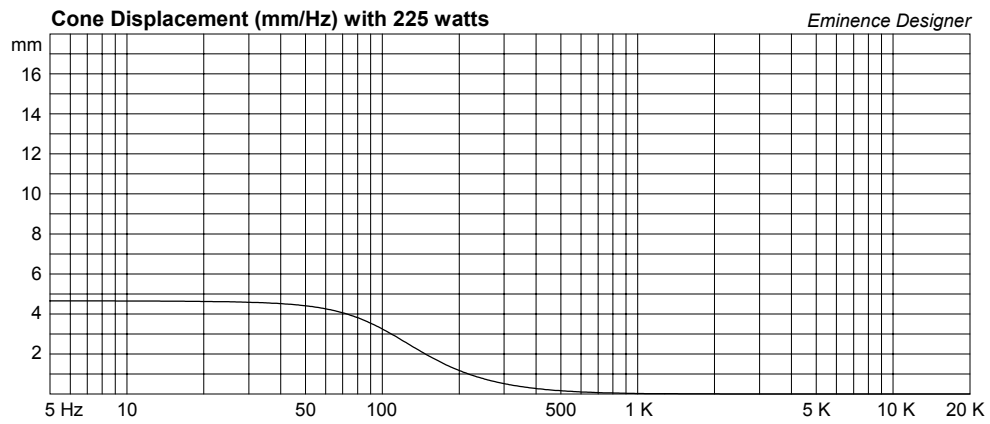
Re = 5.29 ohms

Le = 1.15 mH

Z = 8 ohms

Pe = 300 watts





DeltaLite-II 2515 Vented Mid/Hi Sat, or Floor Monitor

By Jerry McNutt, Eminence Speaker LLC

300 Watt Thermal Limit; F3 of 77 Hz. Best used above 90 Hz.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 1.59 cu.ft

V(total) = 1.861 cu.ft

Fb = 56.94 Hz

QL = 7

F3 = 77.31 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 3 in

Lv = 4.118 in

Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 42.34 Hz

Qms = 4.56

Vas = 203.9 liters

Xmax = 4.8 mm

Sd = 856.3 sq.cm

Qes = 0.41

Re = 5.29 ohms

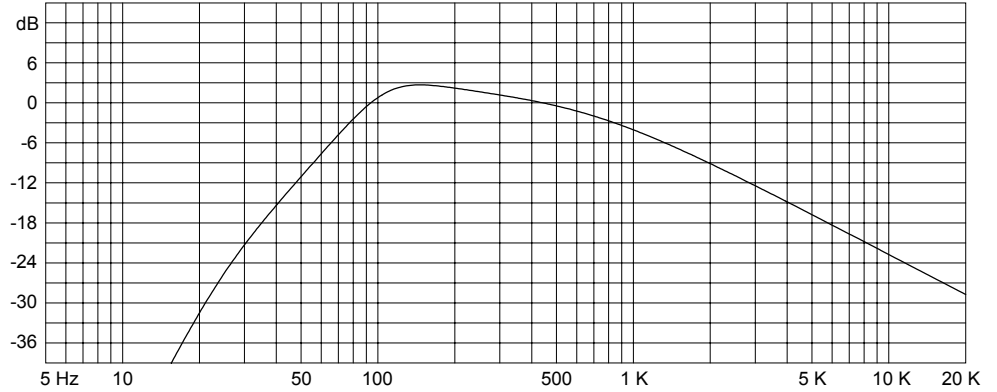
Le = 1.15 mH

Z = 8 ohms

Pe = 300 watts

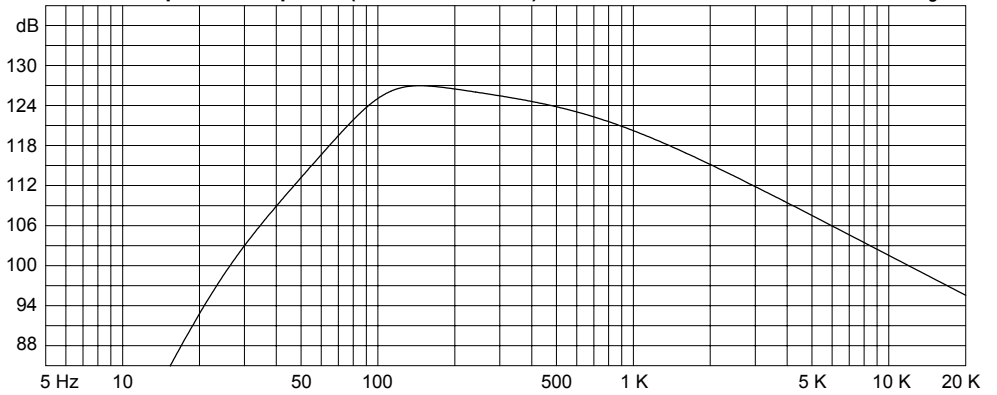
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



Custom Amplitude Response (dB-SPL/Hz at 1 m) with 300 watts

Eminence Designer



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

Eminence Designer

