

Legend B810 Single Large Sealed

By Jerry McNutt, Eminence Speaker LLC

Limit to 100 watts per driver. F3 at 77 Hz.

Double volume for two; 4 times for 4 drivers; 8 times for 8 drivers!



Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 0.899 cu.ft

V(total) = 0.899 cu.ft

Qtc = 0.997

QL = 14.73

F3 = 76.95 Hz

Fill = normal

Driver Properties

--Description--

Name: Legend B810

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: 32 Ohm Bass Guitar Driver

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 52.07 Hz

Qms = 13.91

Vas = 2.343 cu.ft

Xmax = 0.186 in

Sd = 54.27 sq.in

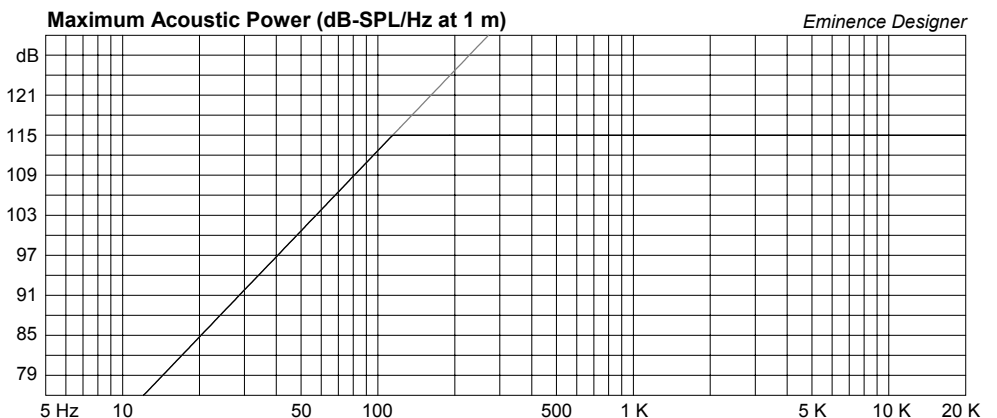
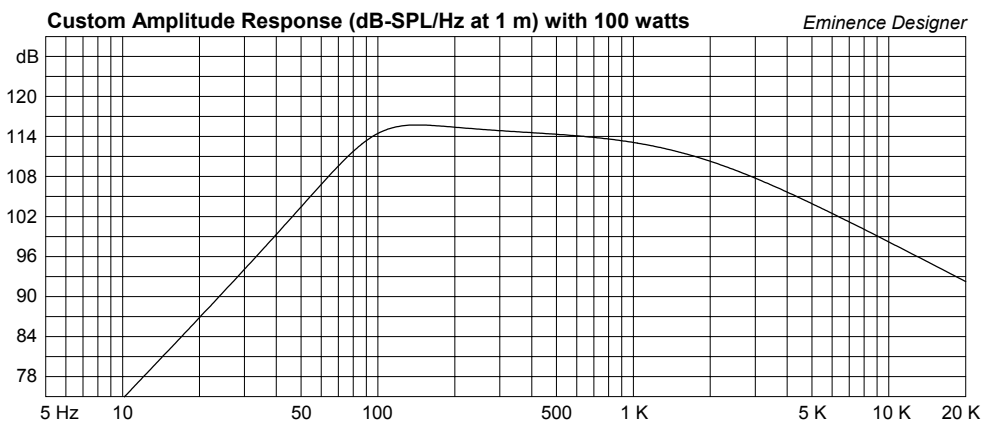
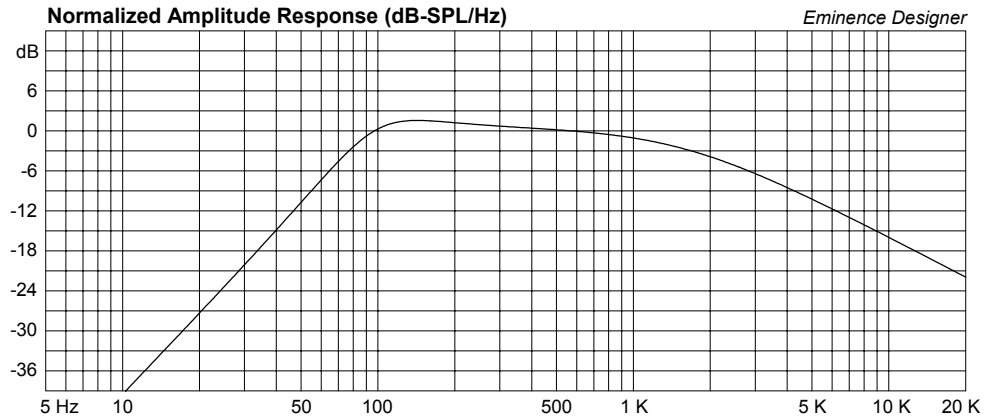
Qes = 0.68

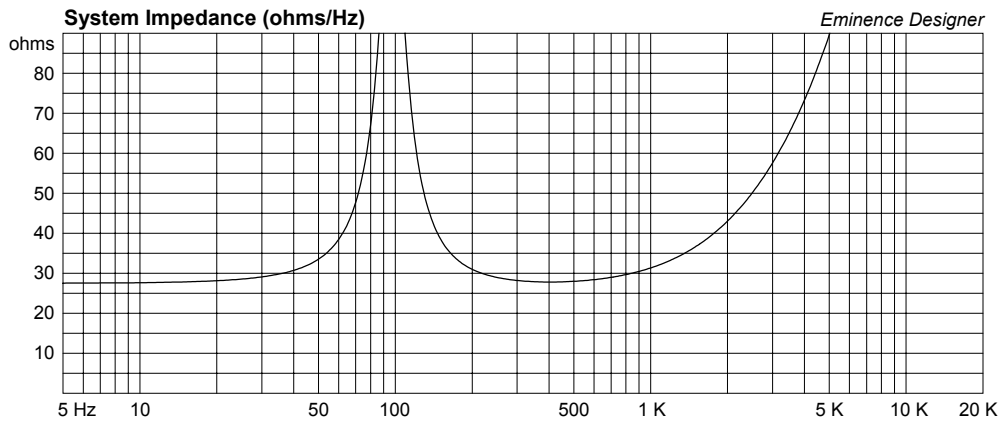
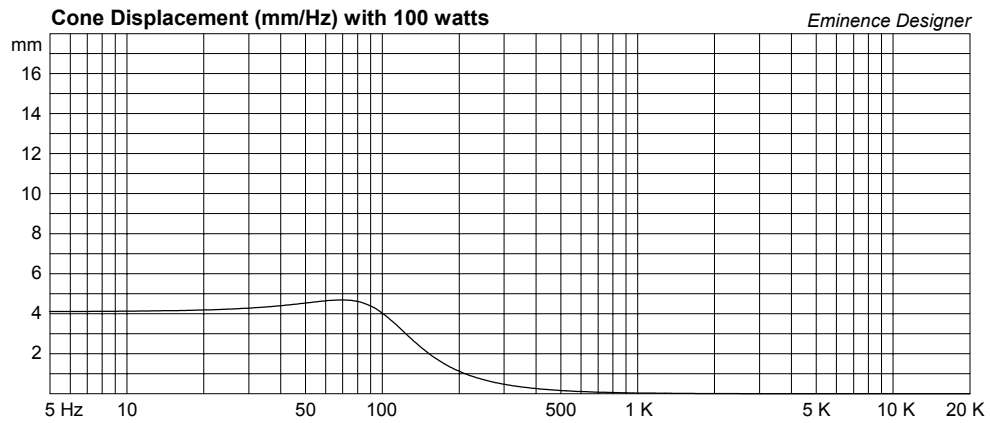
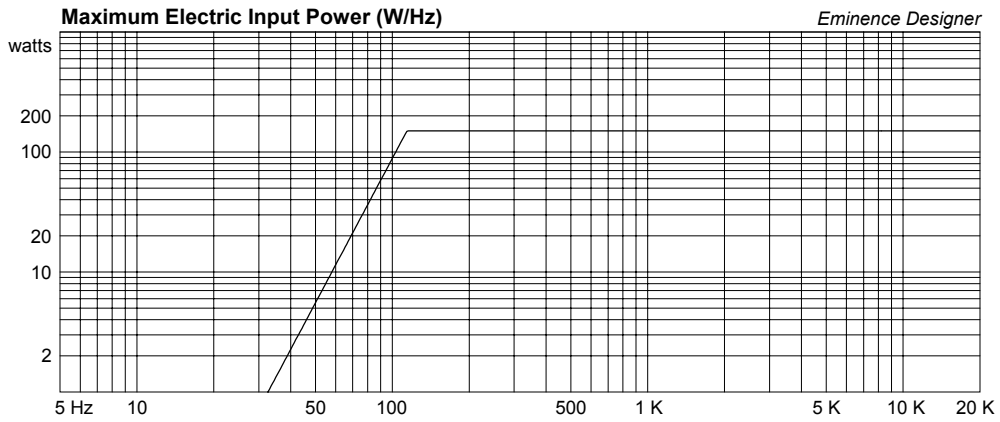
Re = 27.51 ohms

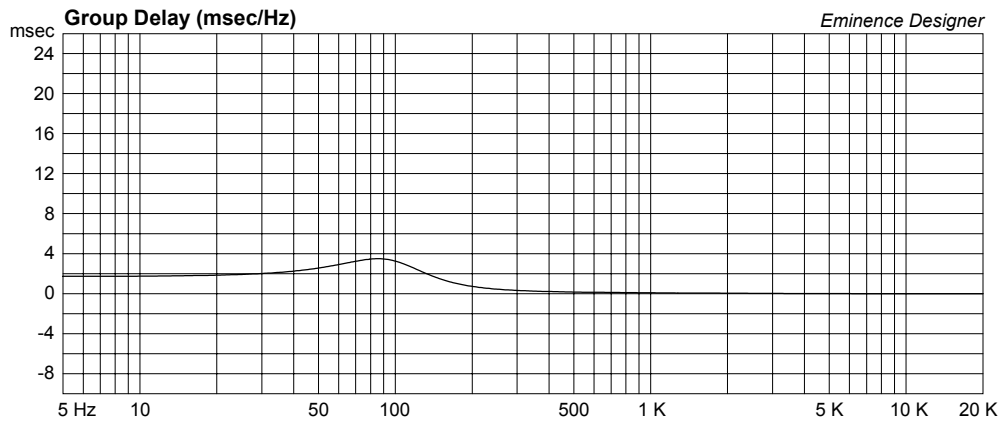
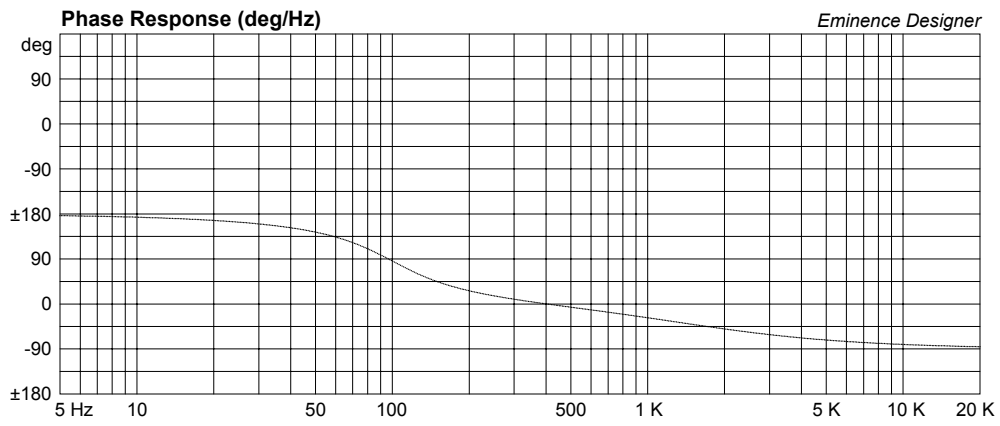
Le = 2.72 mH

Z = 32 ohms

Pe = 150 watts







Legend B810 Single Small Sealed Box

By Jerry McNutt, Eminence Speaker LLC
Limit to 150 Watts per driver. F3 at 90 Hz.
Double volume for two drivers; 4 times for 4 drivers.



Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 0.499 cu.ft

V(total) = 0.499 cu.ft

Qtc = 1.197

QL = 14.73

F3 = 90.36 Hz

Fill = normal

Driver Properties

--Description--

Name: Legend B810

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: 32 Ohm Bass Guitar Driver

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 52.07 Hz

Qms = 13.91

Vas = 2.343 cu.ft

Xmax = 0.186 in

Sd = 54.27 sq.in

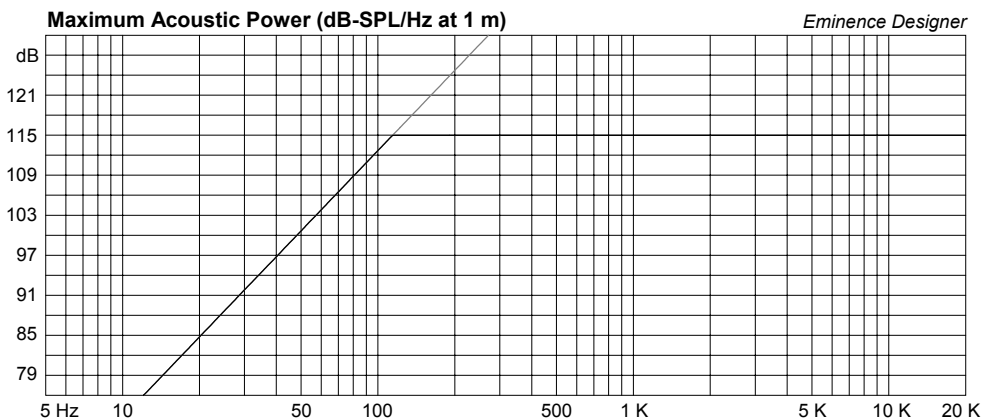
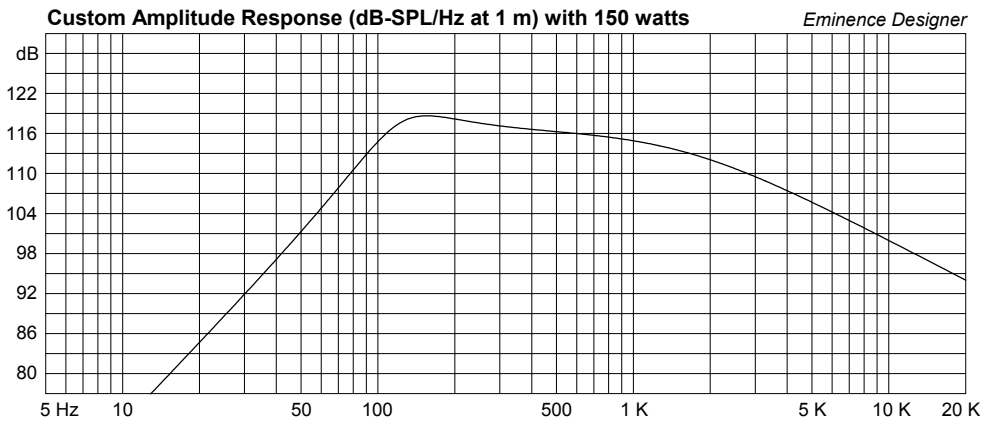
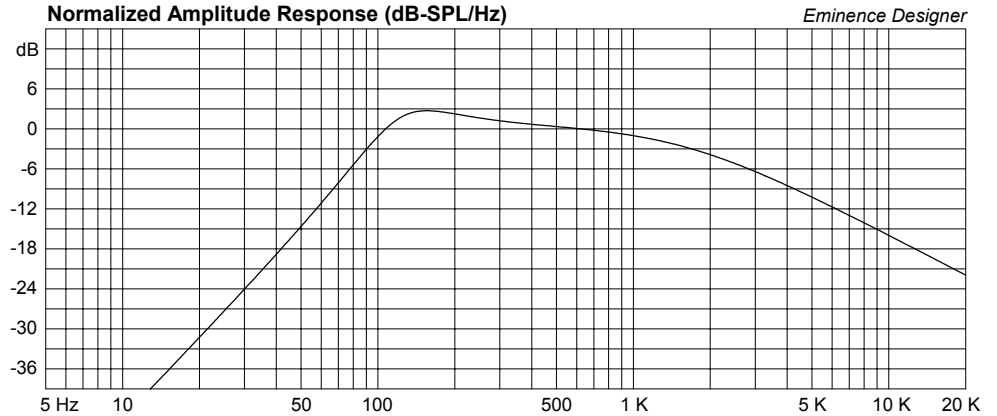
Qes = 0.68

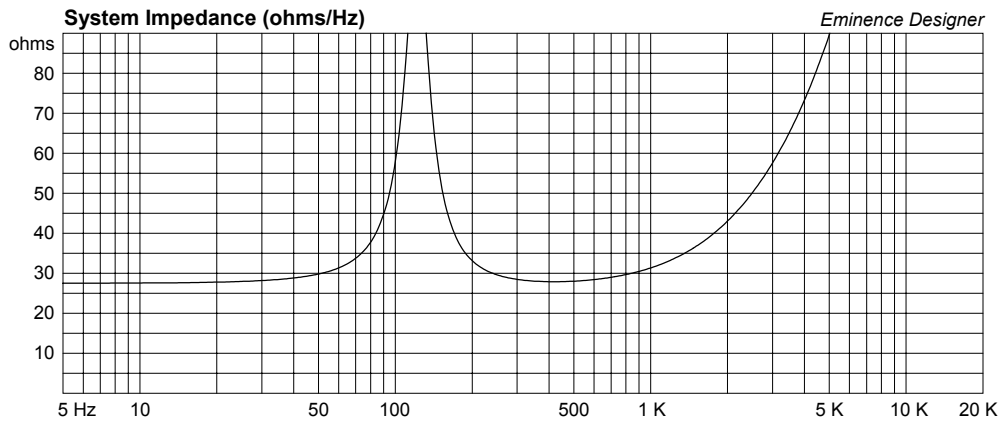
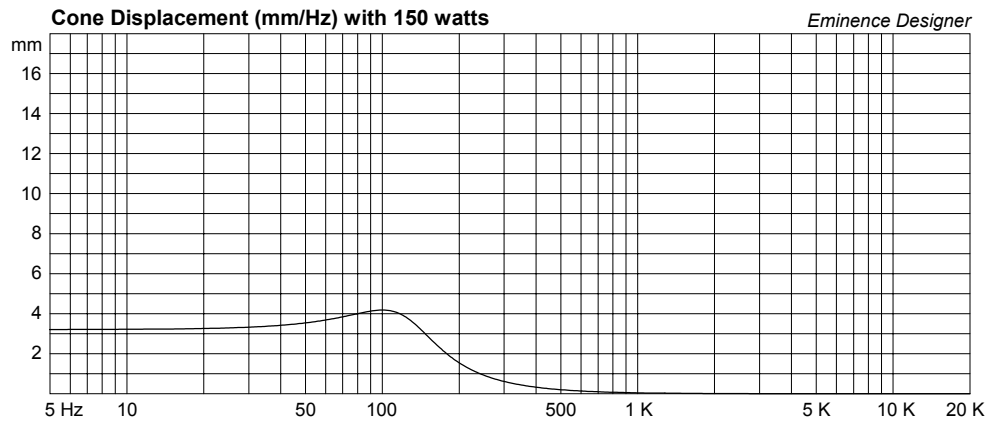
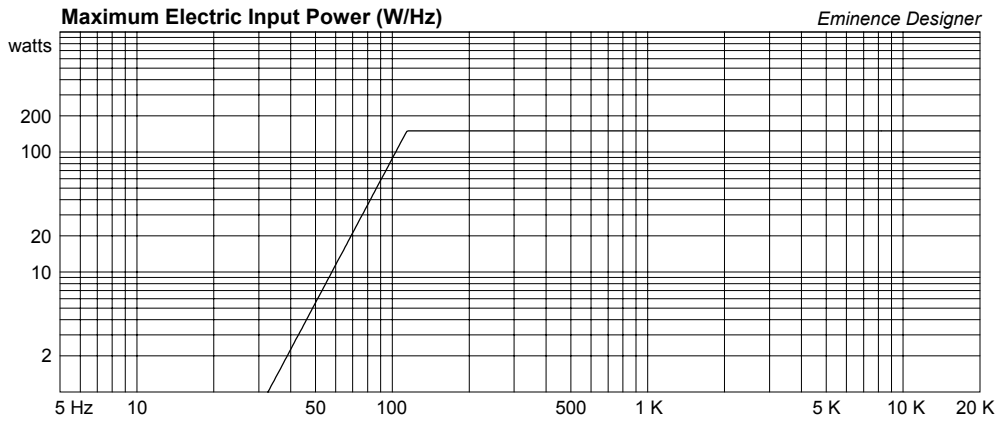
Re = 27.51 ohms

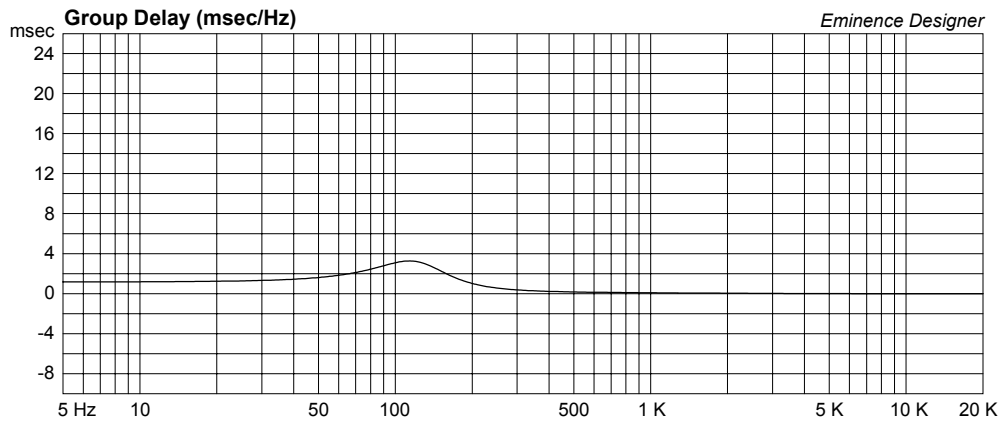
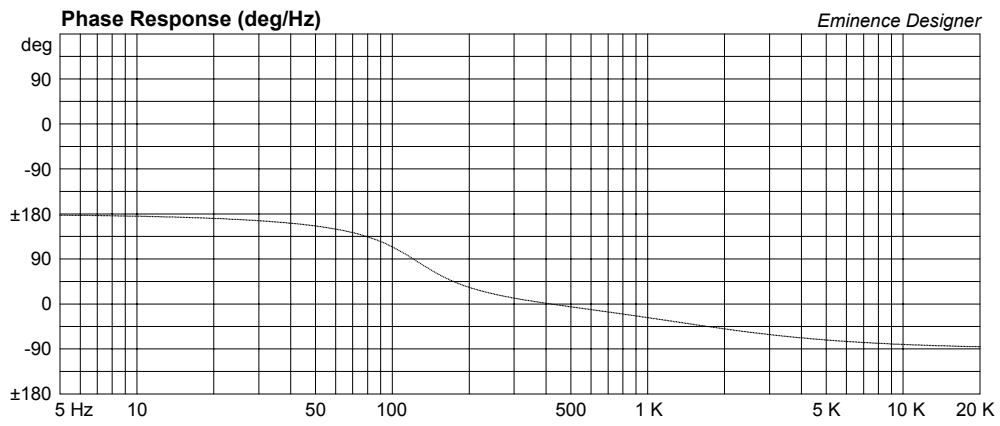
Le = 2.72 mH

Z = 32 ohms

Pe = 150 watts







Legend B810 Large Vented Cabinet

By Jerry McNutt, Eminence Speaker LLC

Limit to 85 watts per driver. F3 at 50 Hz.

Double volume for two; 4 times for 4 drivers; 8 times for 8 drivers!



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 2.5 cu.ft

V(total) = 2.586 cu.ft

Fb = 55.73 Hz

QL = 7

F3 = 49.6 Hz

Fill = normal

--Vents--

No. of Vents = 1

Vent shape = round

Vent ends = one flush

Dv = 4.301 in

Lv = 0.75 in

Driver Properties

--Description--

Name: Legend B810

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: 32 Ohm Bass Guitar Driver

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 52.07 Hz

Qms = 13.91

Vas = 2.343 cu.ft

Xmax = 0.186 in

Sd = 54.27 sq.in

Qes = 0.68

Re = 27.51 ohms

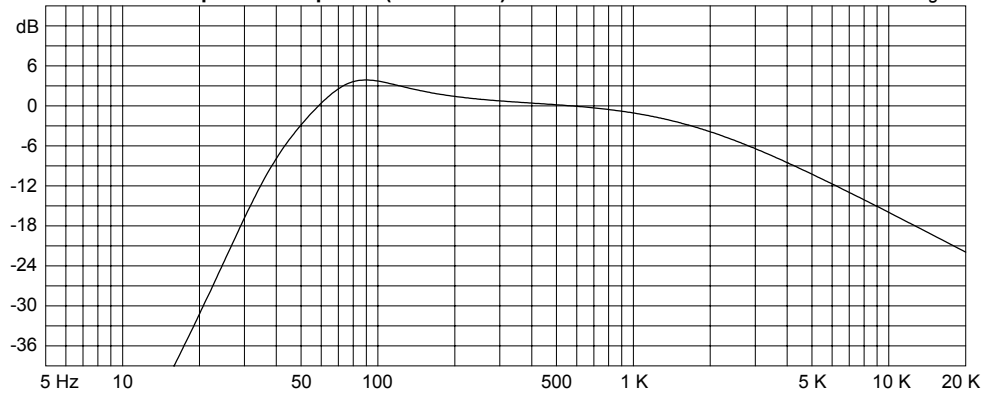
Le = 2.72 mH

Z = 32 ohms

Pe = 150 watts

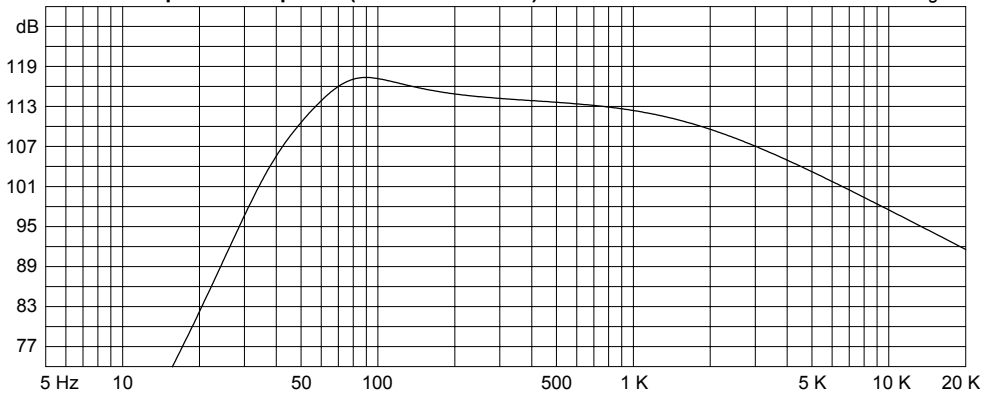
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



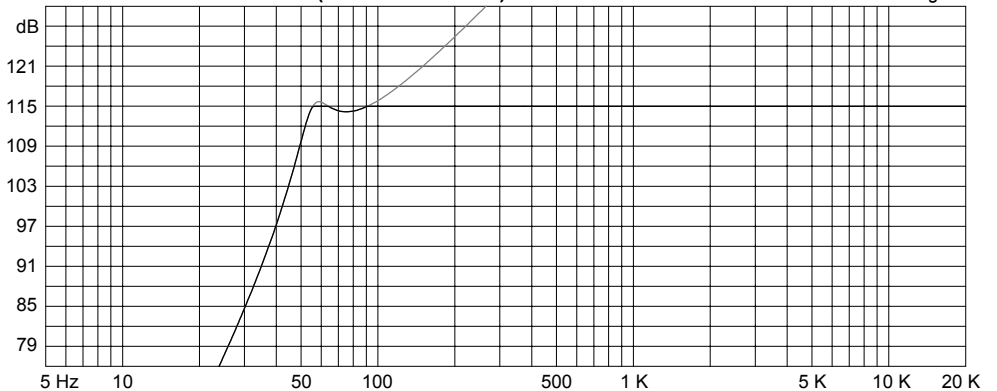
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 85 watts

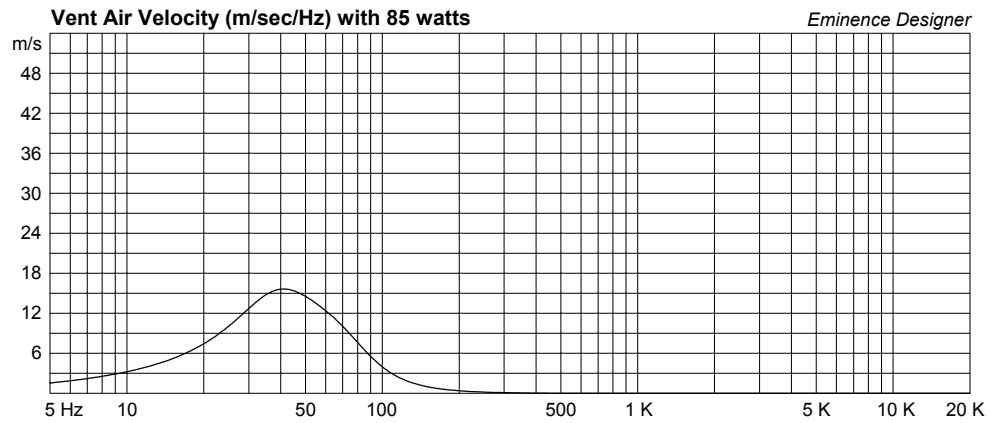
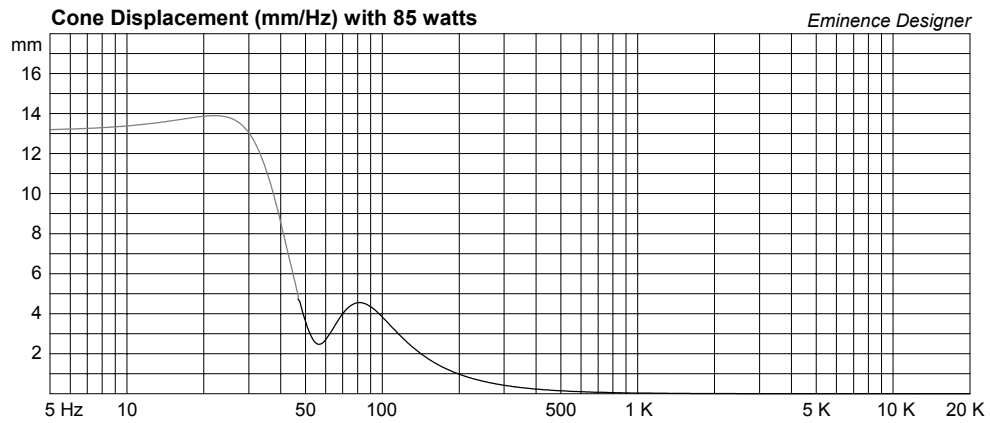
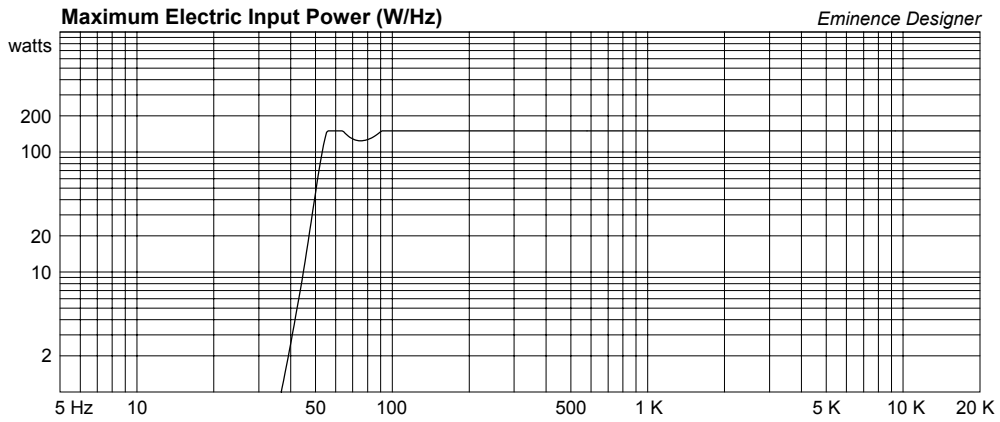
Eminence Designer

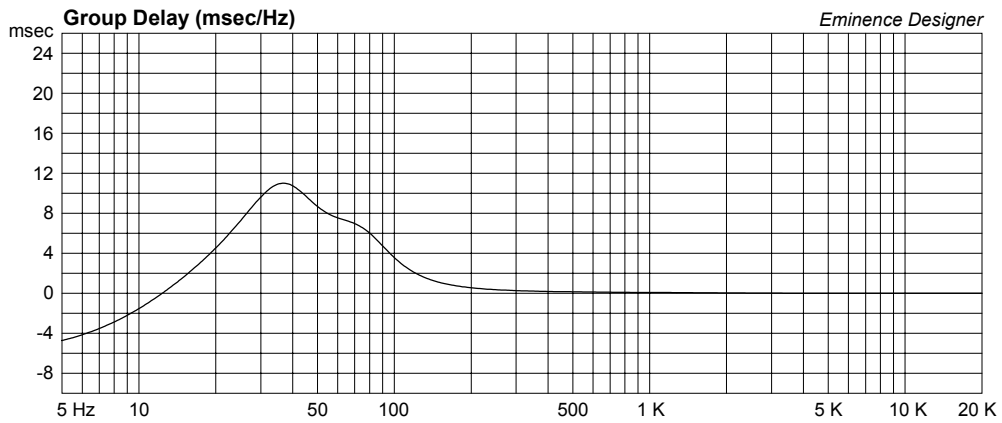
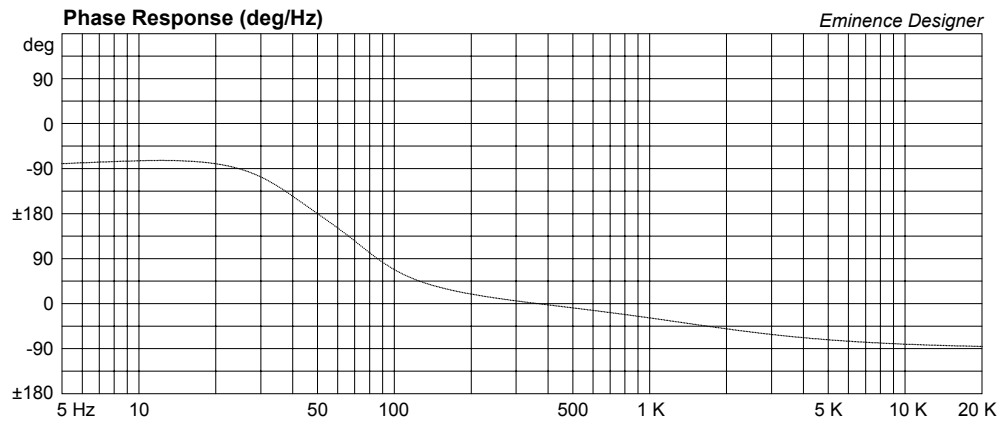
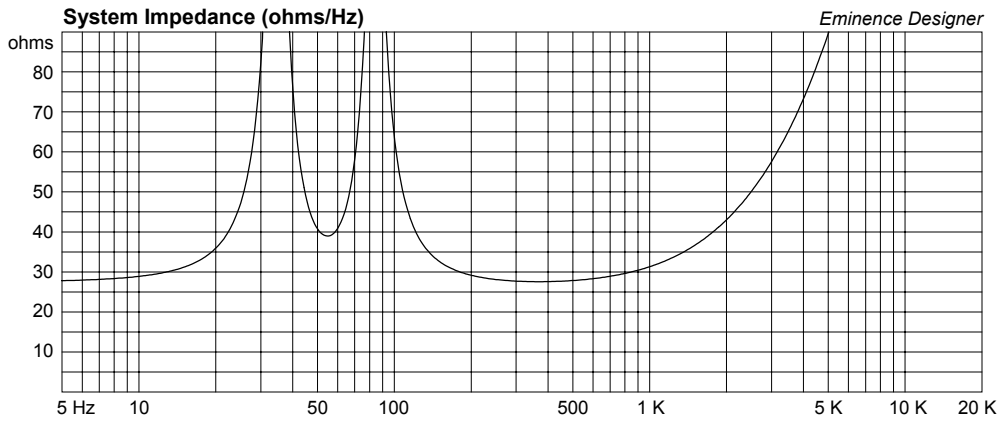


Maximum Acoustic Power (dB-SPL/Hz at 1 m)

Eminence Designer







Legend B810 Small Vented Cabinet

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Limit to 100 watts per driver. F3 at 57 Hz.

Double volume for two; 4 times for 4 drivers; 8 times for 8 drivers!



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 1.65 cu.ft

V(total) = 1.751 cu.ft

Fb = 55 Hz

QL = 7

F3 = 57.16 Hz

Fill = normal

--Vents--

No. of Vents = 1

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 2.796 in

Driver Properties

--Description--

Name: Legend B810

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: 32 Ohm Bass Guitar Driver

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 52.07 Hz

Qms = 13.91

Vas = 2.343 cu.ft

Xmax = 0.186 in

Sd = 54.27 sq.in

Qes = 0.68

Re = 27.51 ohms

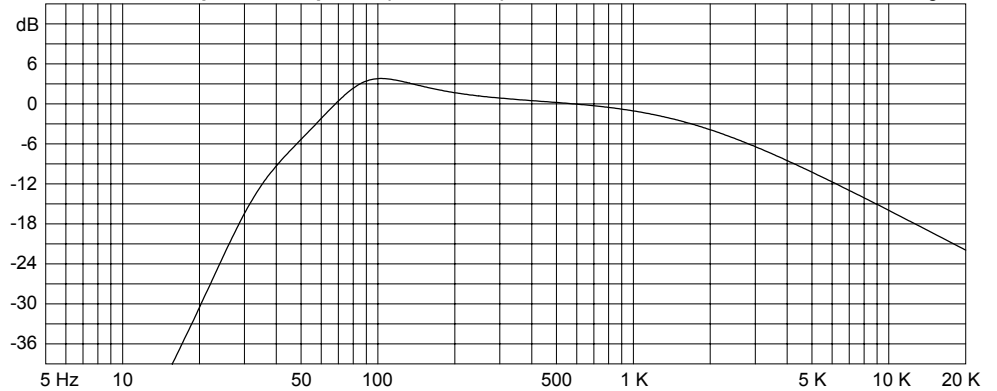
Le = 2.72 mH

Z = 32 ohms

Pe = 150 watts

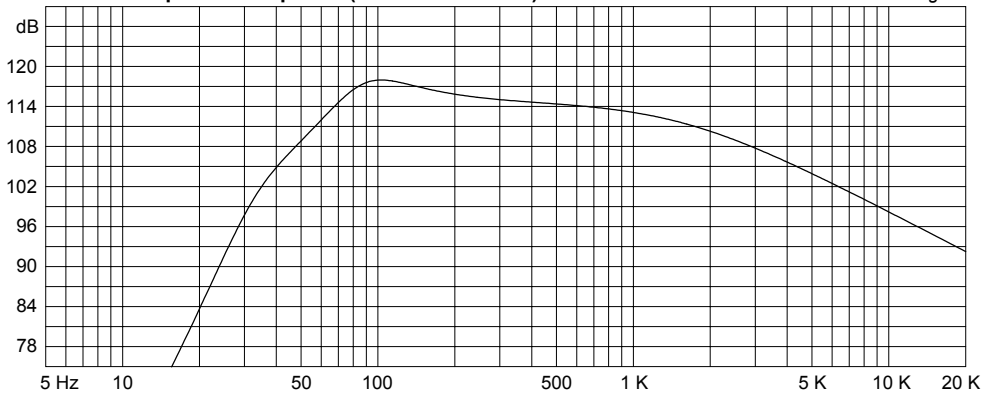
Normalized Amplitude Response (dB-SPL/Hz)

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

