

Custom Closed Box Design

By Jerry McNutt, Eminence Speaker LLC

Thermally limited to 100 Watts; F3 of 199 Hz. Best if high passed at 225 Hz or higher.



Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 0.16 cu.ft

V(total) = 0.16 cu.ft

Qtc = 0.554

QL = 20

F3 = 198.5 Hz

Fill = heavy

Driver Properties

--Description--

Name: Alpha-6C

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Updated 03/08/07

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 107 Hz

Qms = 6.12

Vas = 0.201 cu.ft

Xmax = 0.138 in

Sd = 19.64 sq.in

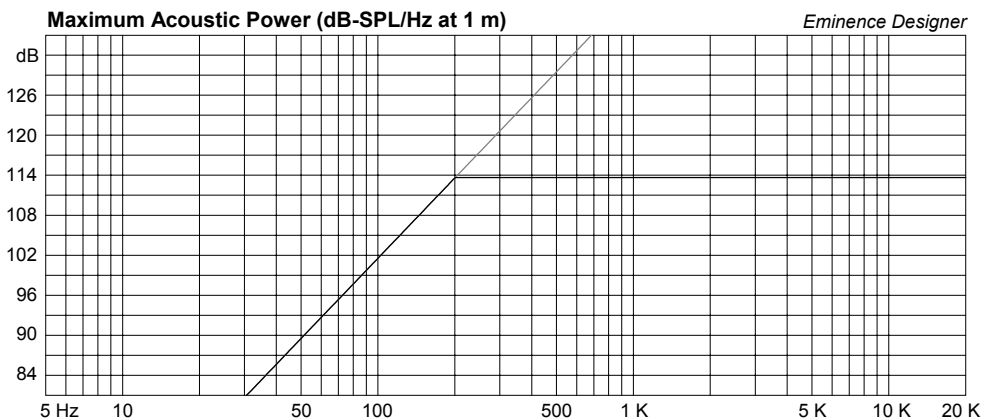
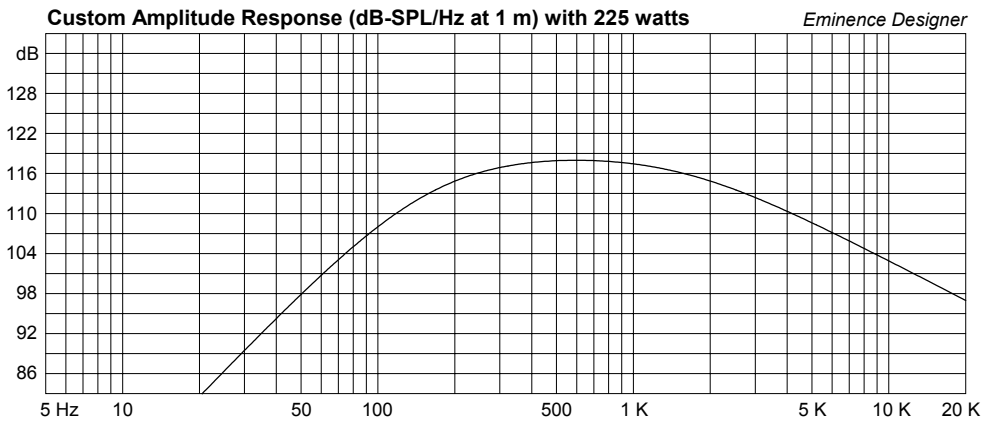
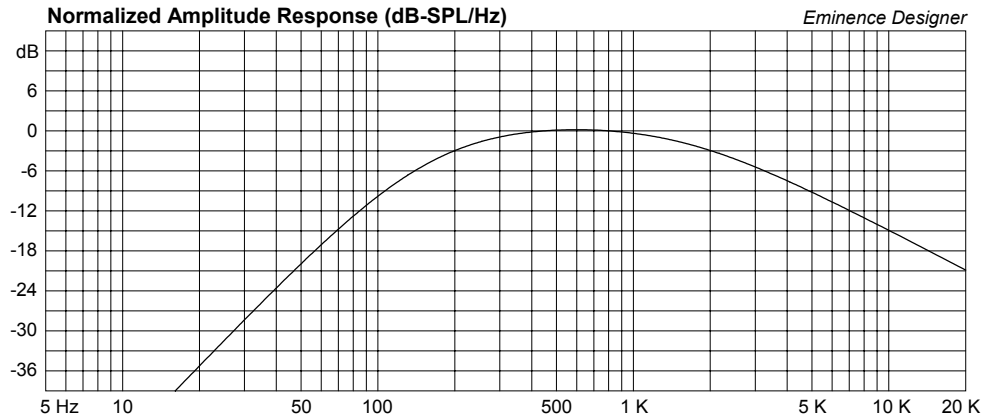
Qes = 0.49

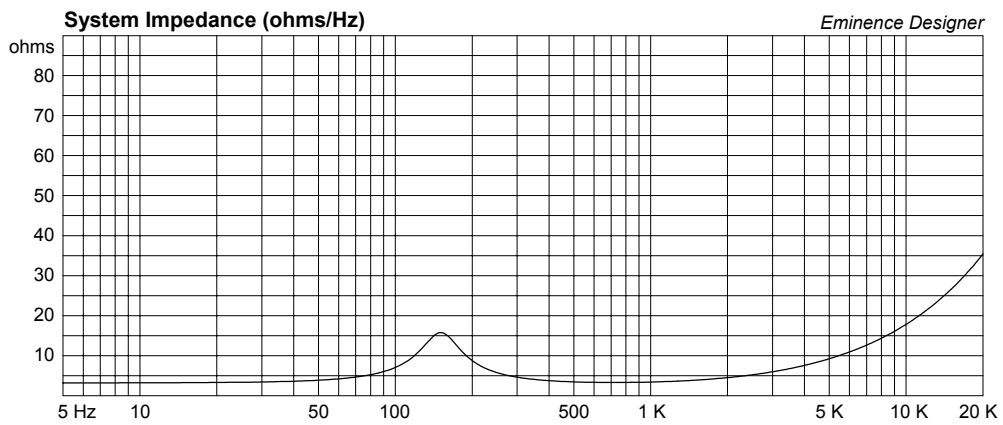
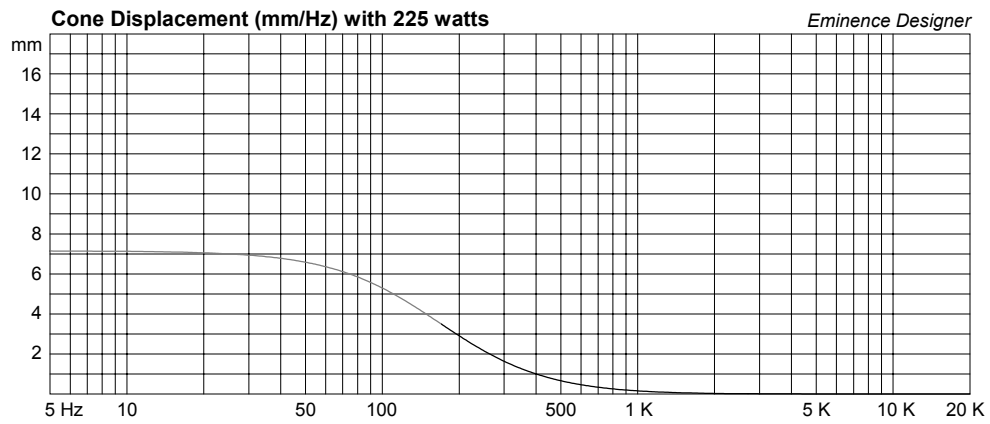
Re = 3.2 ohms

Le = 0.28 mH

Z = 4 ohms

Pe = 100 watts





Custom Closed Box Design

By Jerry McNutt, Eminence Speaker LLC

Thermally limited to 100 Watts; F3 of 204 Hz. Best if high passed at 225 Hz or higher.



Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 0.75 cu.ft

V(total) = 0.75 cu.ft

Qtc = 0.443

QL = 20

F3 = 203.7 Hz

Fill = heavy

Driver Properties

--Description--

Name: Alpha-6C

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Updated 03/08/07

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 107 Hz

Qms = 6.12

Vas = 0.201 cu.ft

Xmax = 0.138 in

Sd = 19.64 sq.in

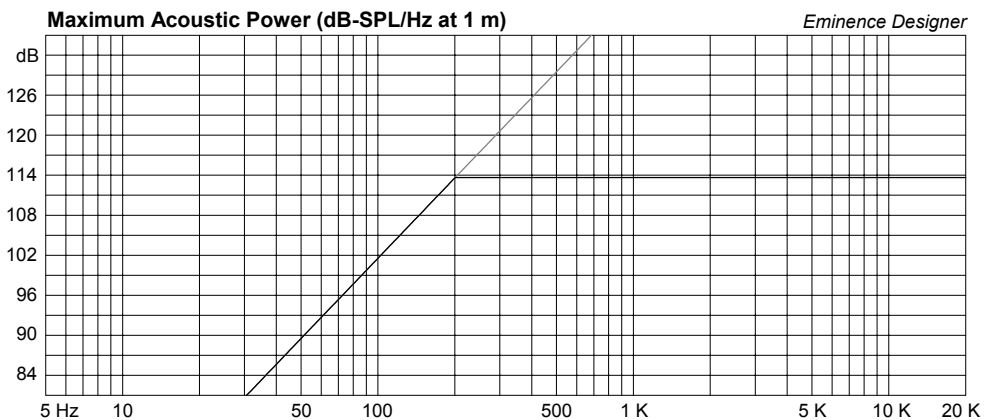
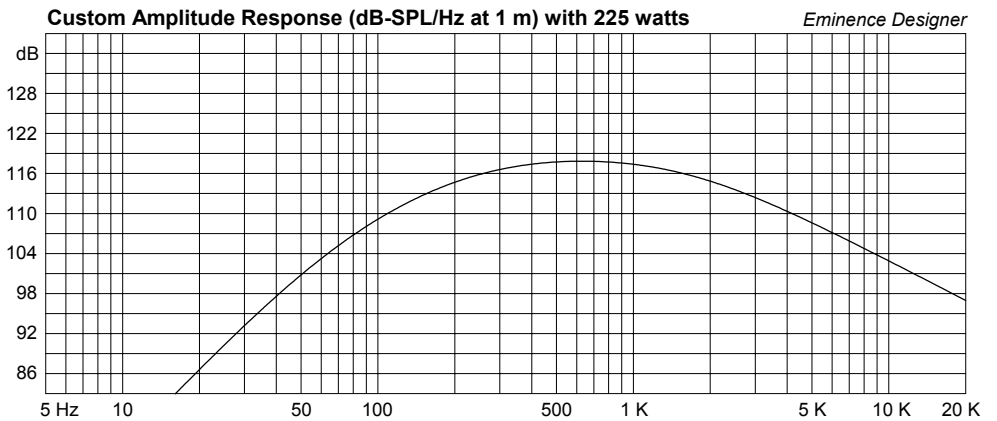
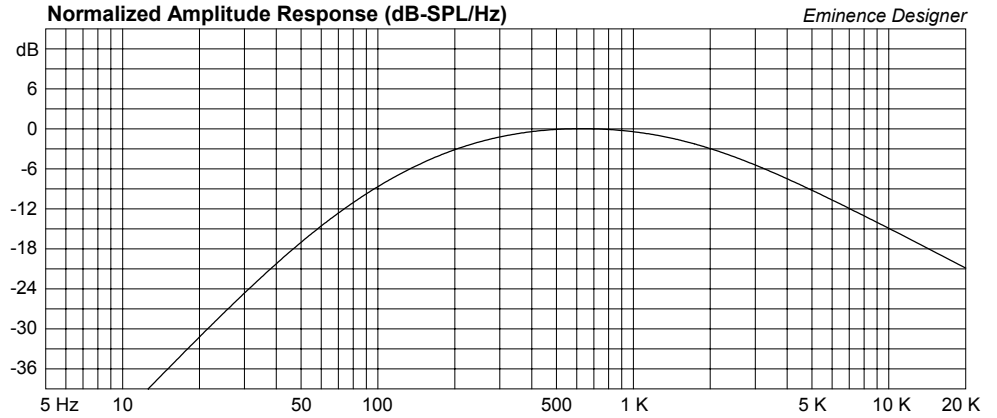
Qes = 0.49

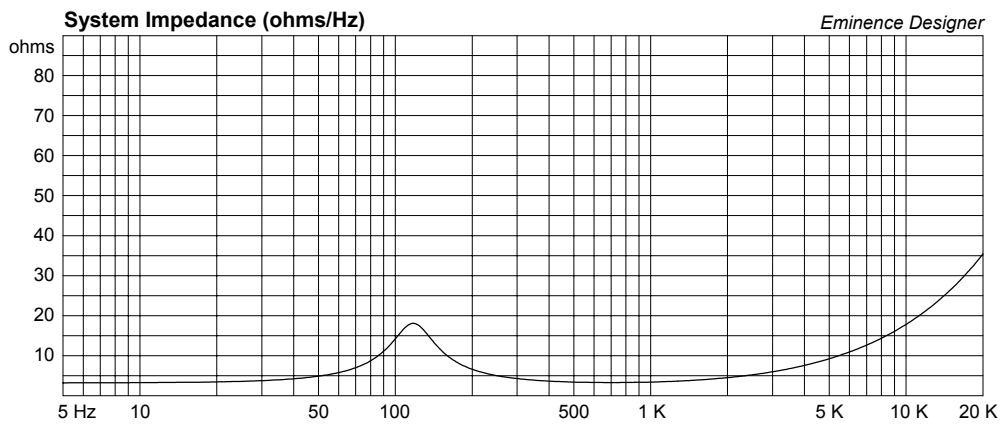
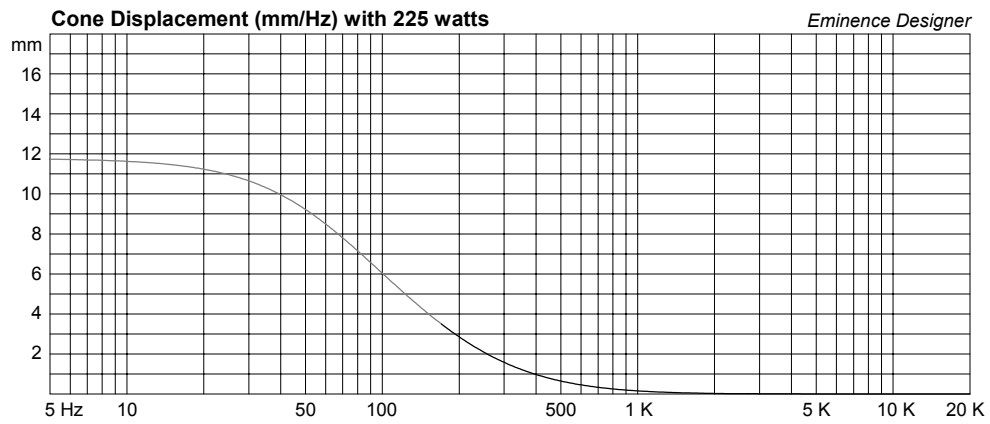
Re = 3.2 ohms

Le = 0.28 mH

Z = 4 ohms

Pe = 100 watts





Custom Vented Box Design

By Jerry McNutt, Eminence Speaker LLC

Thermally limited to 100 Watts; F3 of 106Hz. Best if high passed at 110 Hz or higher. Great for a micro PA/DJ Satellite or a tiny floor wedge.



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 0.175 cu.ft

V(total) = 0.218 cu.ft

Fb = 103.7 Hz

QL = 7

F3 = 106.3 Hz

Fill = minimal

--Vents--

No. of Vents = 1

Vent shape = round

Vent ends = one flush

Dv = 2.5 in

Lv = 4.81 in

Driver Properties

--Description--

Name: Alpha-6C

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Updated 03/08/07

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 107 Hz

Qms = 6.12

Vas = 0.201 cu.ft

Xmax = 0.138 in

Sd = 19.64 sq.in

Qes = 0.49

Re = 3.2 ohms

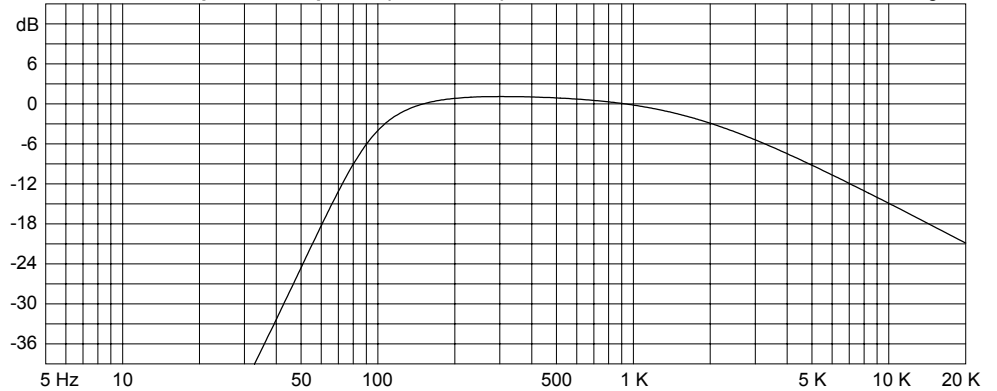
Le = 0.28 mH

Z = 4 ohms

Pe = 100 watts

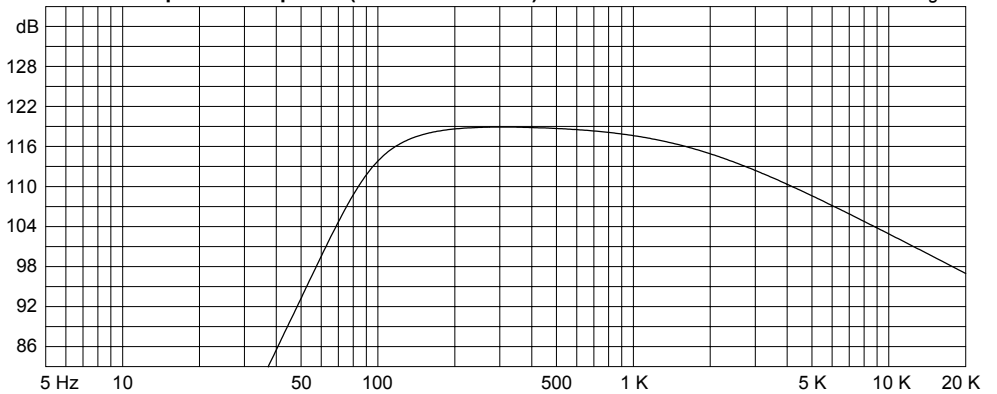
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



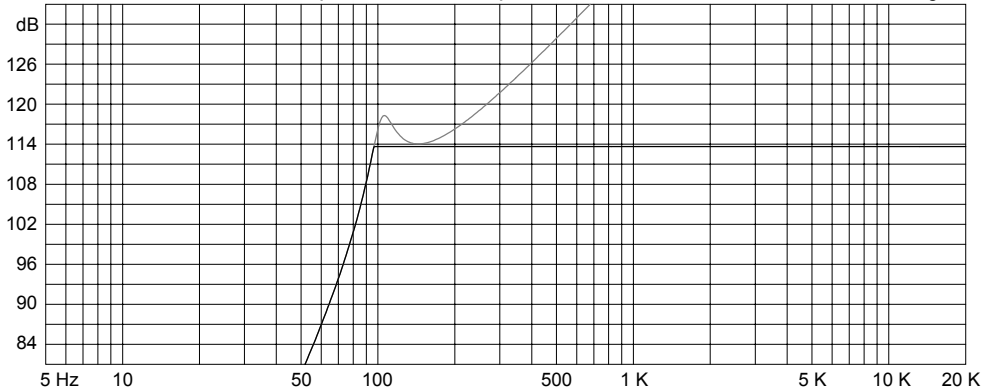
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 225 watts

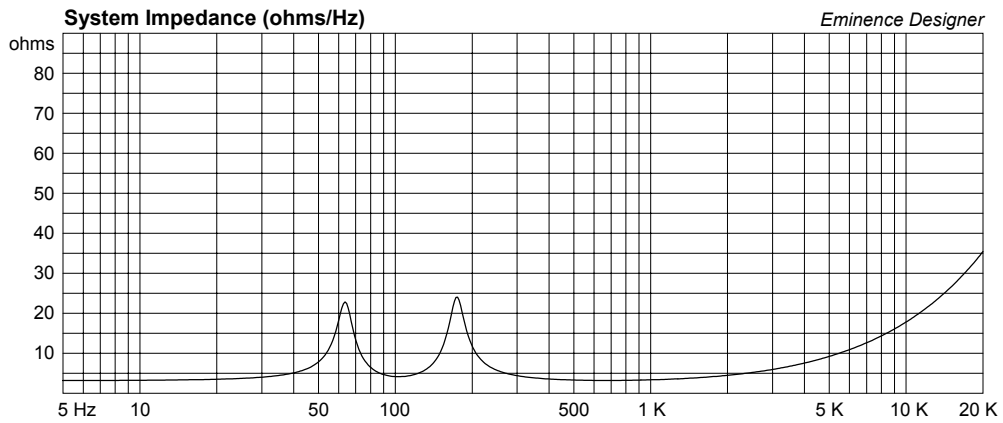
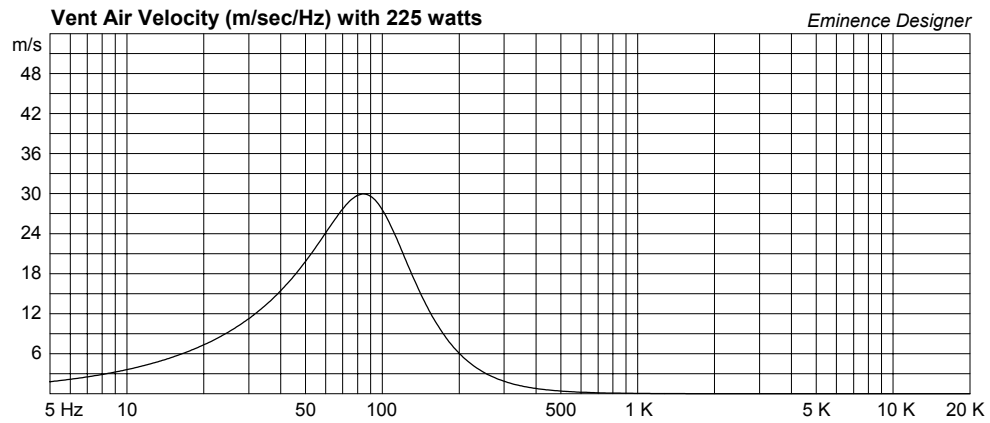
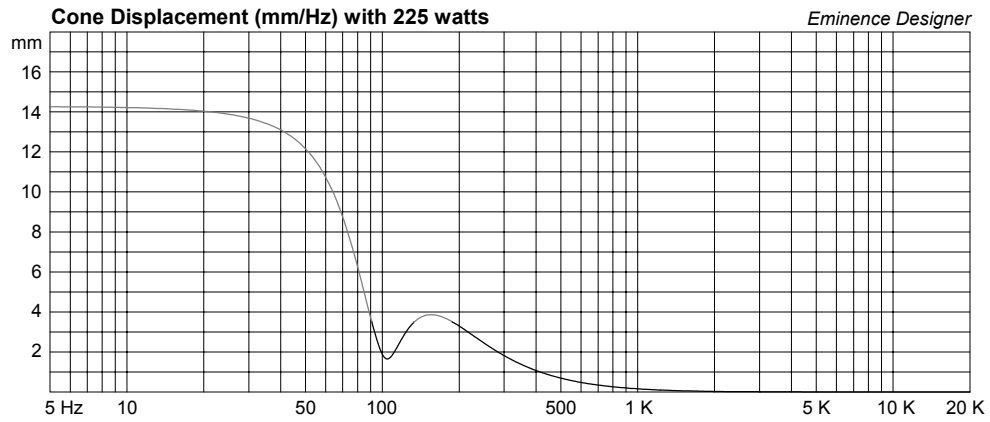
Eminence Designer



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

Eminence Designer





Custom Vented Box Design

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Thermally limited to 100 Watts; F3 of 81Hz. Best if high passed at 100 Hz or higher. Great for a micro PA/DJ Satellite or a tiny floor wedge.



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 0.35 cu.ft

V(total) = 0.399 cu.ft

Fb = 85 Hz

QL = 7

F3 = 80.18 Hz

Fill = minimal

--Vents--

No. of Vents = 1

Vent shape = round

Vent ends = one flush

Dv = 3 in

Lv = 4.835 in

Driver Properties

--Description--

Name: Alpha-6C

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Updated 03/08/07

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 107 Hz

Qms = 6.12

Vas = 0.201 cu.ft

Xmax = 0.138 in

Sd = 19.64 sq.in

Qes = 0.49

Re = 3.2 ohms

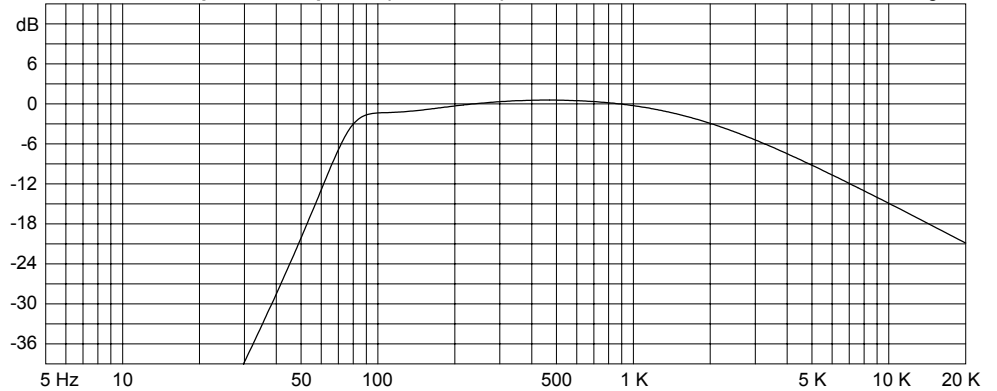
Le = 0.28 mH

Z = 4 ohms

Pe = 100 watts

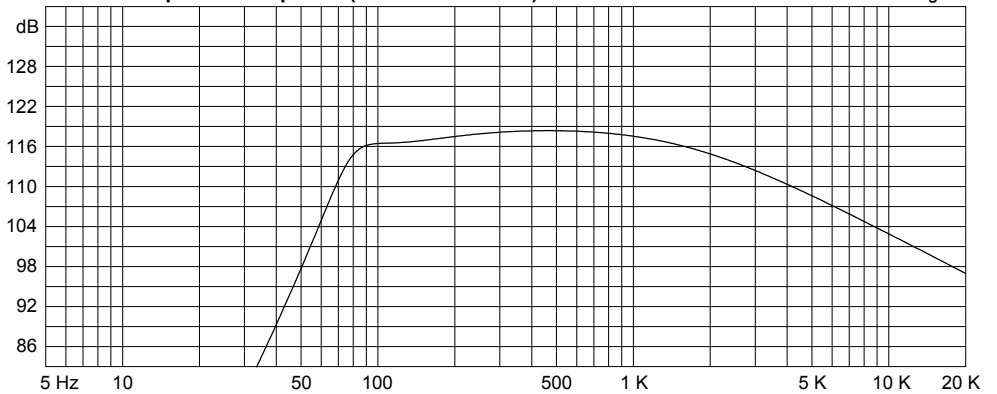
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



Custom Amplitude Response (dB-SPL/Hz at 1 m) with 225 watts

Eminence Designer



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

Eminence Designer

