

Delta Pro-8A Small Sealed Midrange Cabinet

By Jerry McNutt, Eminence Speaker LLC

Limit to 200 Watts; F3 of 250 Hz. Best used above 280 Hz.



Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 0.28 cu.ft

V(total) = 0.28 cu.ft

Qtc = 0.357

QL = 20

F3 = 247.9 Hz

Fill = normal

Driver Properties

--Description--

Name: Delta Pro-8A

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: High Power Midrange Driver

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 68.88 Hz

Qms = 6.43

Vas = 0.647 cu.ft

Xmax = 0.119 in

Sd = 33.82 sq.in

Qes = 0.22

Re = 5.37 ohms

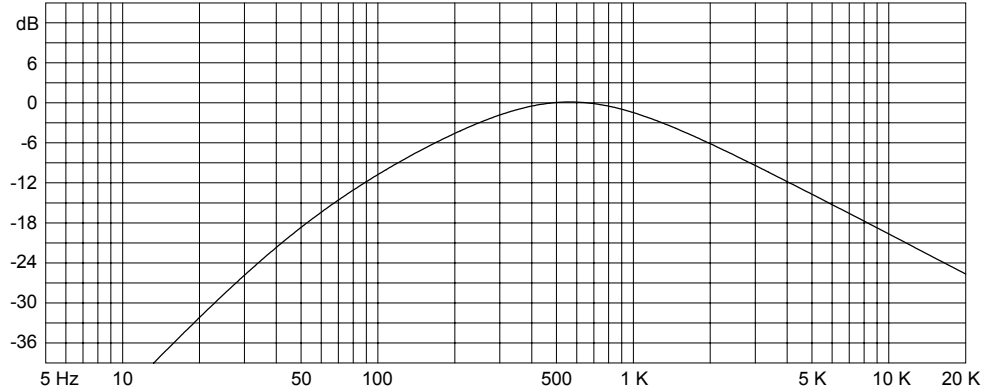
Le = 0.82 mH

Z = 8 ohms

Pe = 225 watts

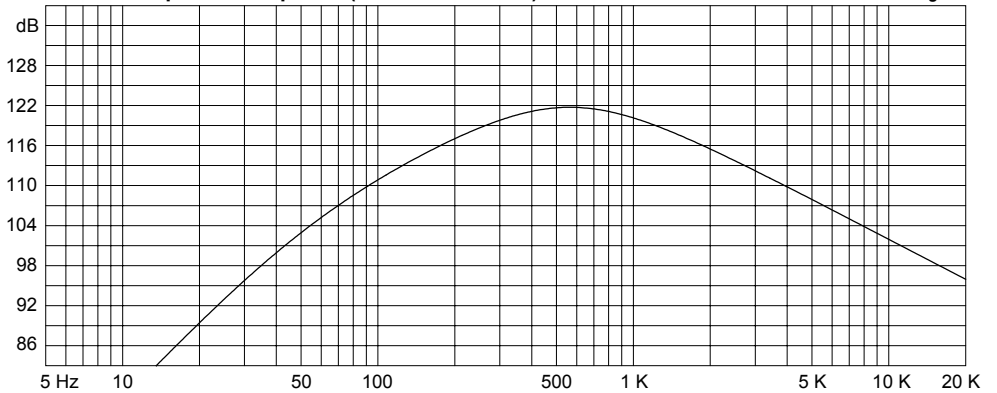
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



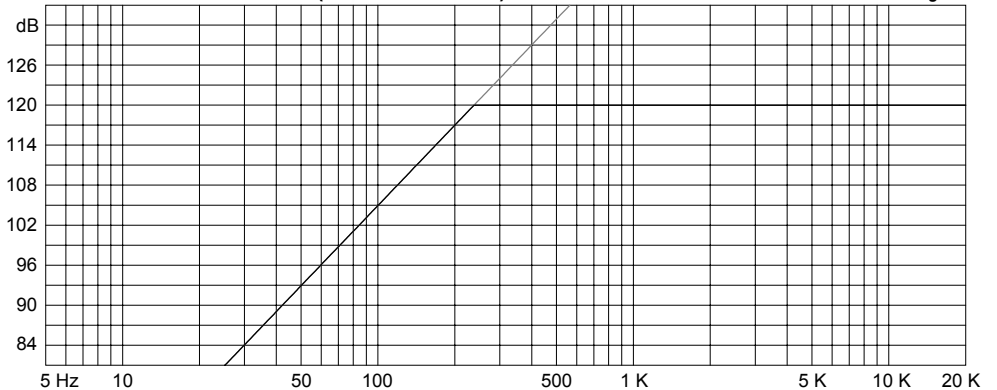
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 225 watts

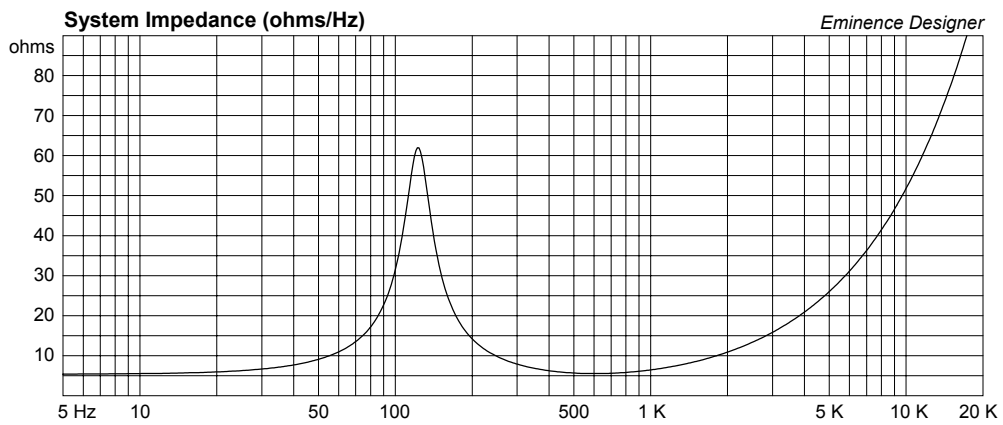
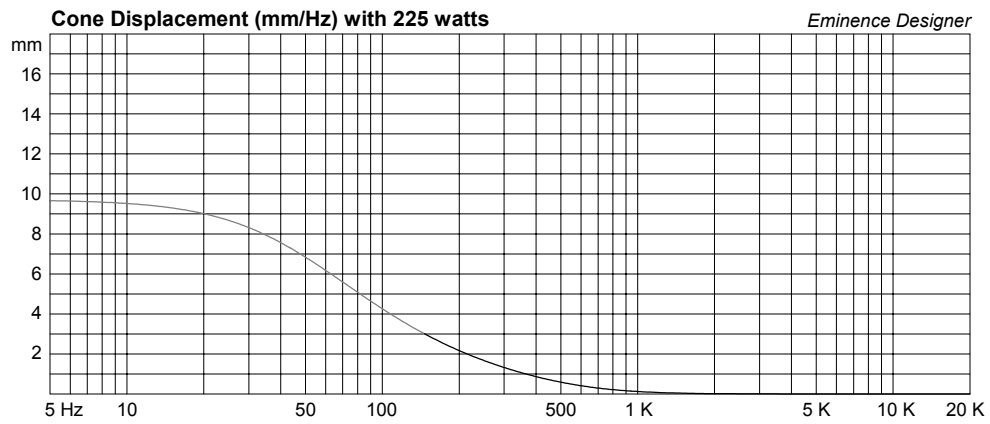
Eminence Designer



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

Eminence Designer





Custom Vented Box Design

By Jerry McNutt, Eminence Speaker LLC

225 Watts; F3 of 120 Hz. Use two ports, one above and one below the driver to promote air flow cooling of the driver.



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 0.266 cu.ft

V(total) = 0.364 cu.ft

Fb = 125 Hz

QL = 7

F3 = 120.4 Hz

Fill = normal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 3 in

Lv = 5.615 in

Driver Properties

--Description--

Name: Delta Pro-8A

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: High Power Midrange Driver

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 68.88 Hz

Qms = 6.43

Vas = 0.647 cu.ft

Xmax = 0.119 in

Sd = 33.82 sq.in

Qes = 0.22

Re = 5.37 ohms

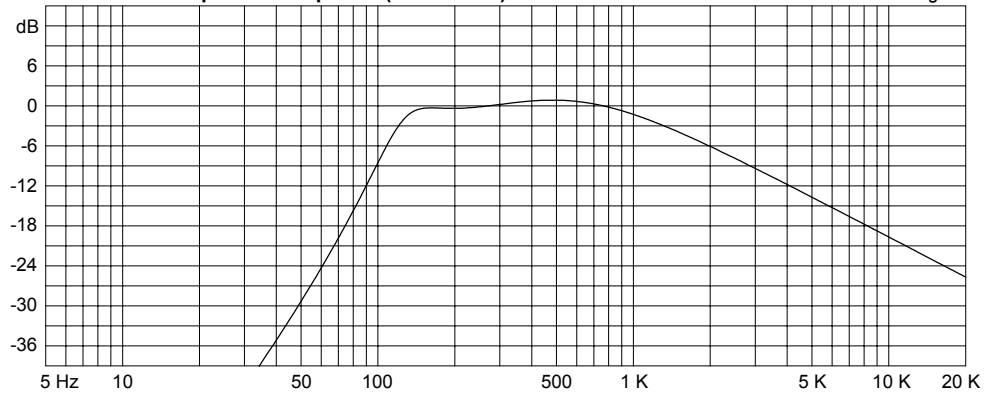
Le = 0.82 mH

Z = 8 ohms

Pe = 225 watts

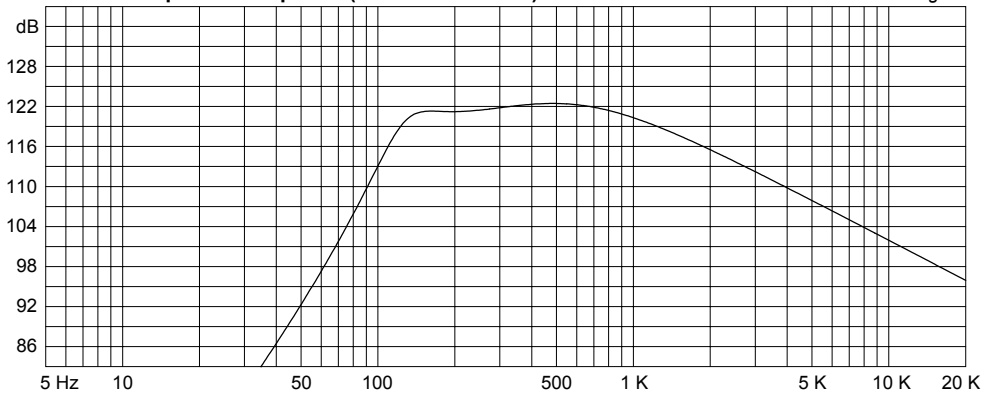
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



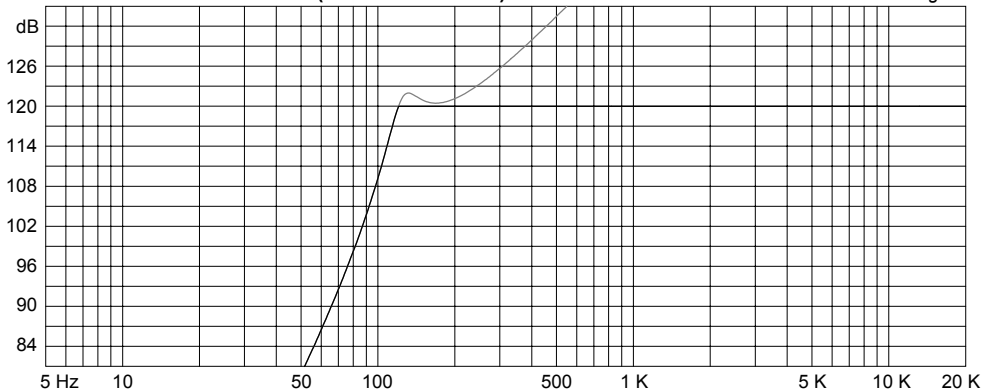
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 225 watts

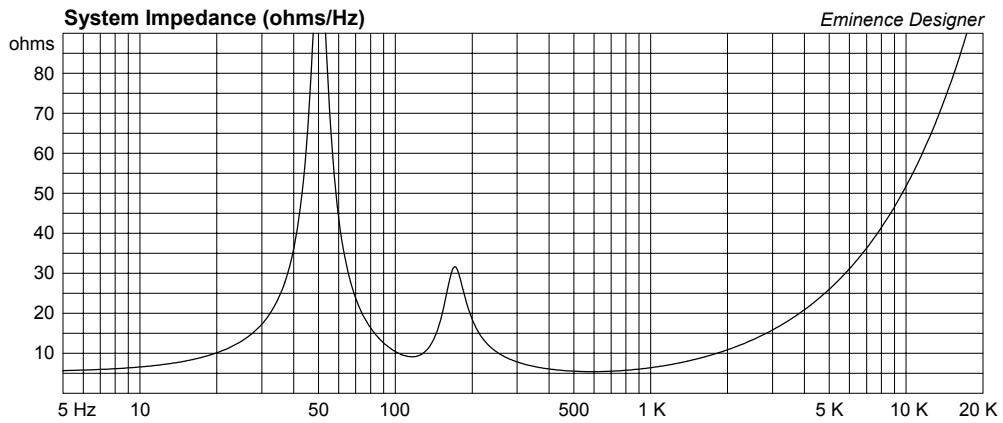
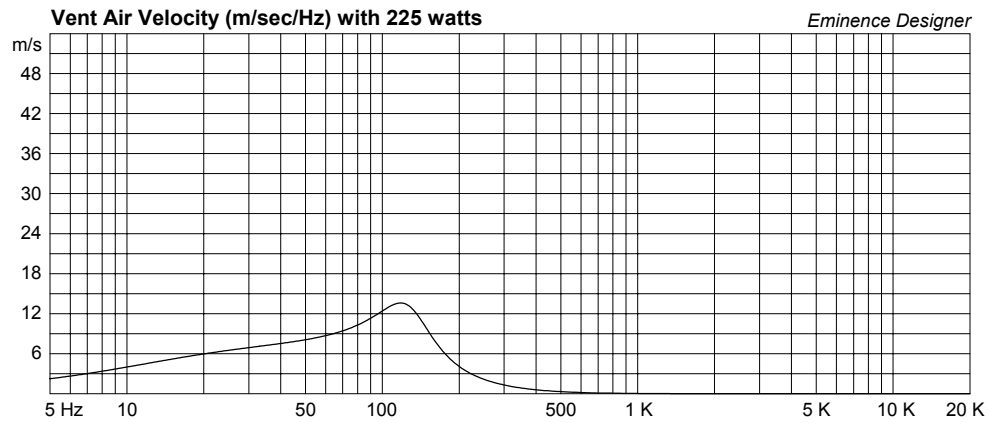
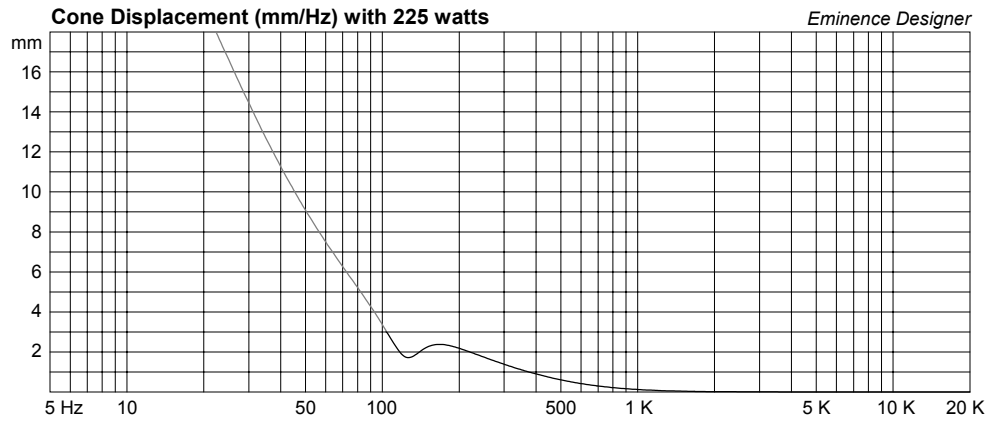
Eminence Designer



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

Eminence Designer





Custom Closed Box Design

By Jerry McNutt, Eminence Speaker LLC

Limit to 200 Watts; F3 of 250 Hz. Best used above 280 Hz.



Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 0.55 cu.ft

V(total) = 0.55 cu.ft

Qtc = 0.294

QL = 20

F3 = 252.3 Hz

Fill = normal

Driver Properties

--Description--

Name: Delta Pro-8A

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Hi Pwr Midrange Driver

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 68.88 Hz

Qms = 6.43

Vas = 0.647 cu.ft

Xmax = 0.119 in

Sd = 33.82 sq.in

Qes = 0.22

Re = 5.37 ohms

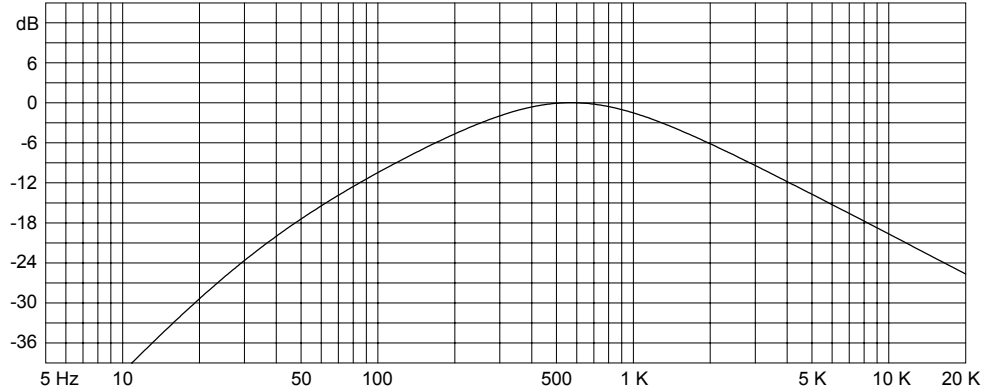
Le = 0.82 mH

Z = 8 ohms

Pe = 225 watts

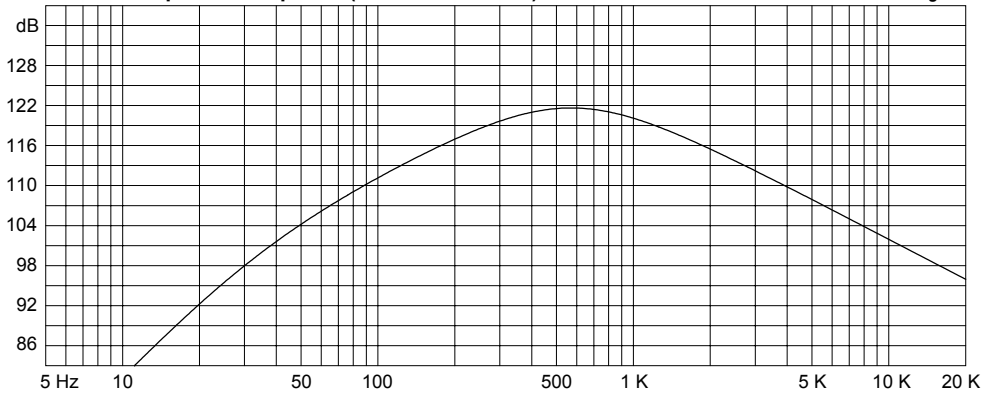
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



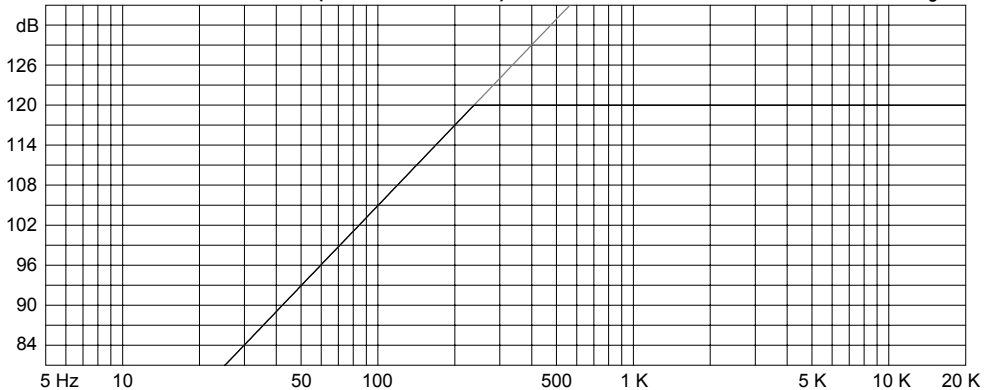
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 225 watts

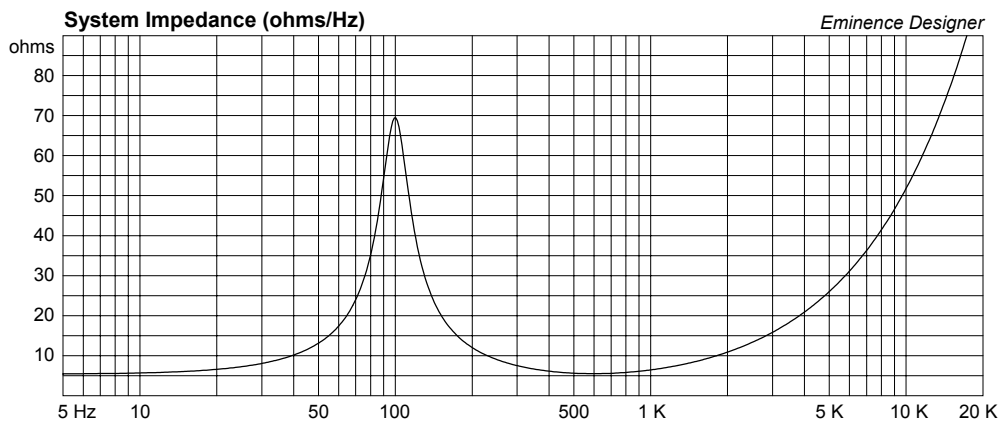
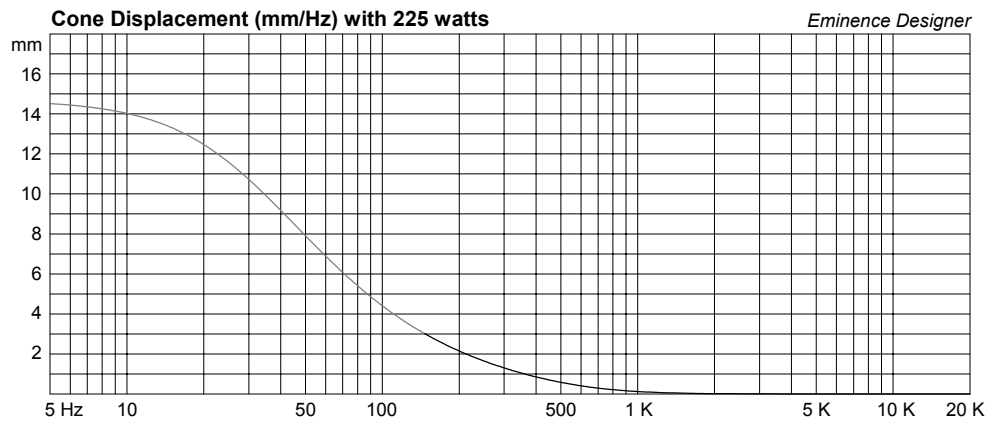
Eminence Designer



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

Eminence Designer





Custom Vented Box Design

By Jerry McNutt, Eminence Speaker LLC

225 Watts; F3 of 100 Hz. Use two ports, one above and one below the driver to promote air flow cooling of the driver.



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 0.5 cu.ft

V(total) = 0.575 cu.ft

Fb = 106 Hz

QL = 7

F3 = 100.2 Hz

Fill = normal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 3 in

Lv = 3.225 in

Driver Properties

--Description--

Name: Delta Pro-8A

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: High Power Midrange Driver

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 68.88 Hz

Qms = 6.43

Vas = 0.647 cu.ft

Xmax = 0.119 in

Sd = 33.82 sq.in

Qes = 0.22

Re = 5.37 ohms

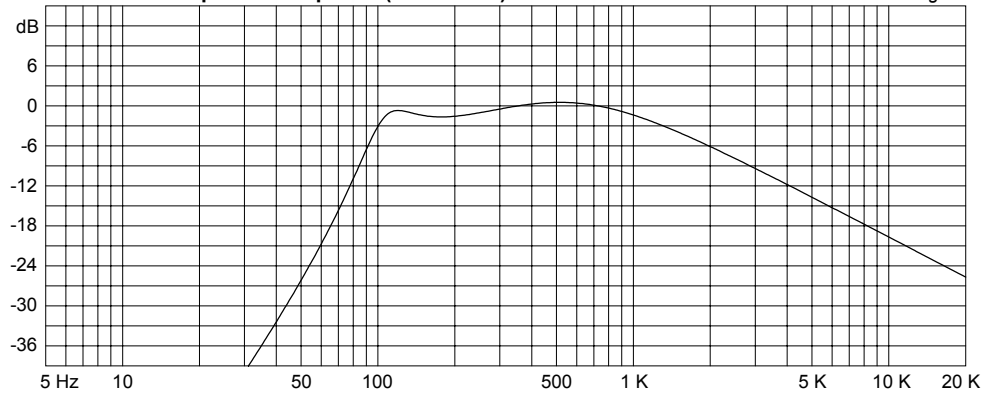
Le = 0.82 mH

Z = 8 ohms

Pe = 225 watts

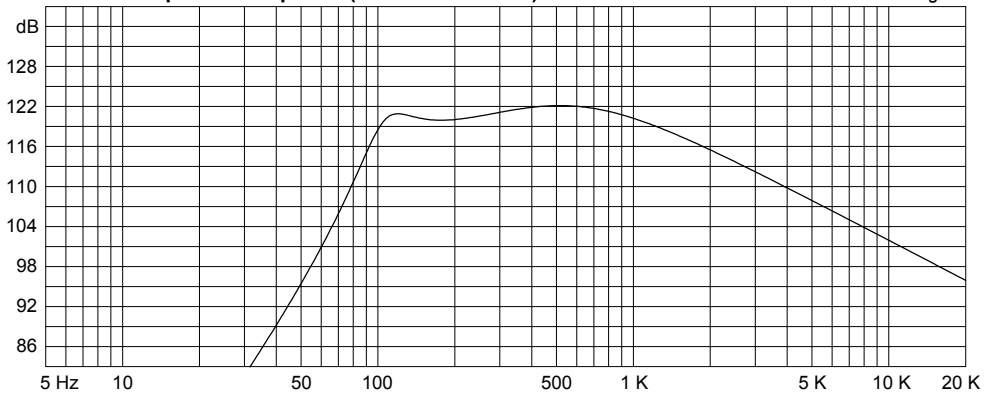
Normalized Amplitude Response (dB-SPL/Hz)

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

