

Delta15LFA Larger Vented Cabinet

By McJerry, Eminence Speaker LLC

Displacement Limited to 175 Watts; F3 of 42 Hz. Use a steep High Pass filter at 35 Hz to protect woofer from overexcursion.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 5.5 cu.ft

V(total) = 5.84 cu.ft

Fb = 45.97 Hz

QL = 7

F3 = 42.29 Hz

Fill = minimal

--Vents--

No. of Vents = 4

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 6.465 in

Driver Properties

--Description--

Name: Delta-15LF (8 ohm)

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised NOV 2005

Piston: Paper cone.

Suspension: M-roll cloth surround.

Dust Cap: Solid paper dust cap.

Frame: Pressed steel basket.

Voice Coil: 2.5 inch (63.5 mm) copper.

Magnet: 56 oz ferrite magnet.

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 41 Hz

Qms = 6.65

Vas = 186.1 liters

Xmax = 4.8 mm

Sd = 856.3 sq.cm

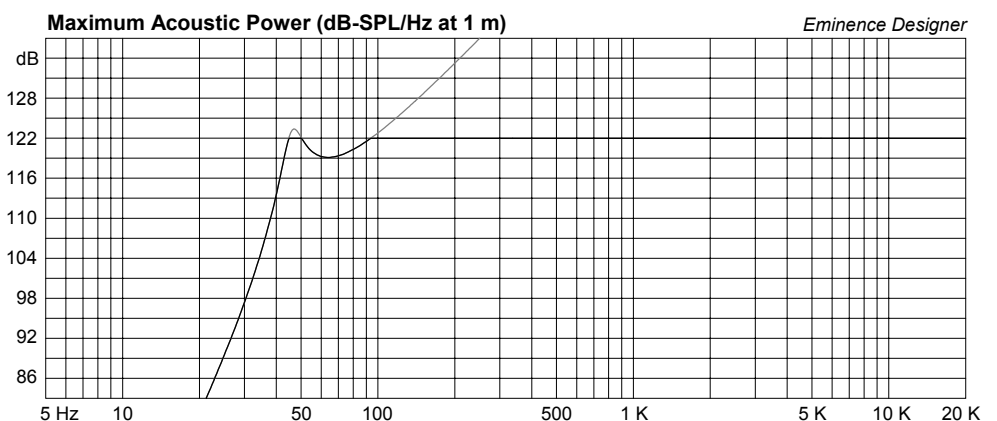
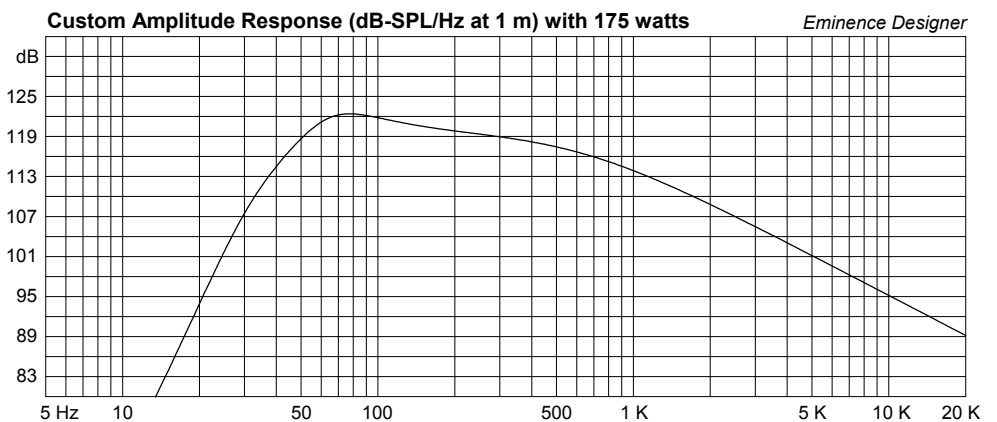
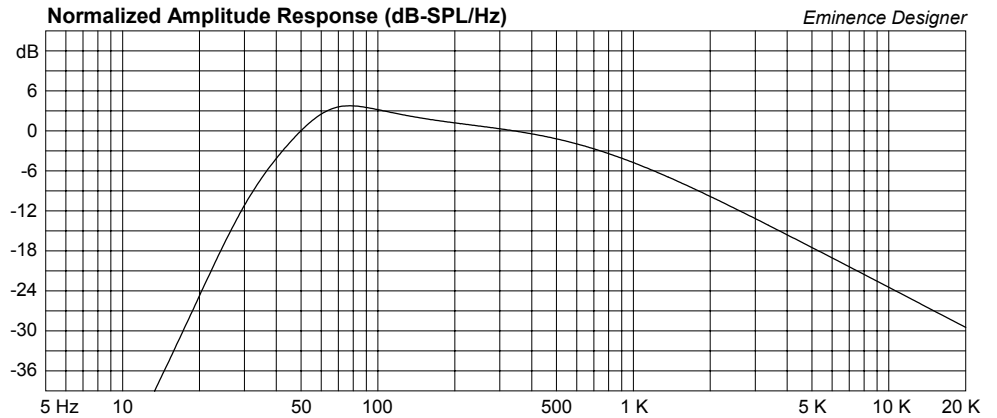
Qes = 0.64

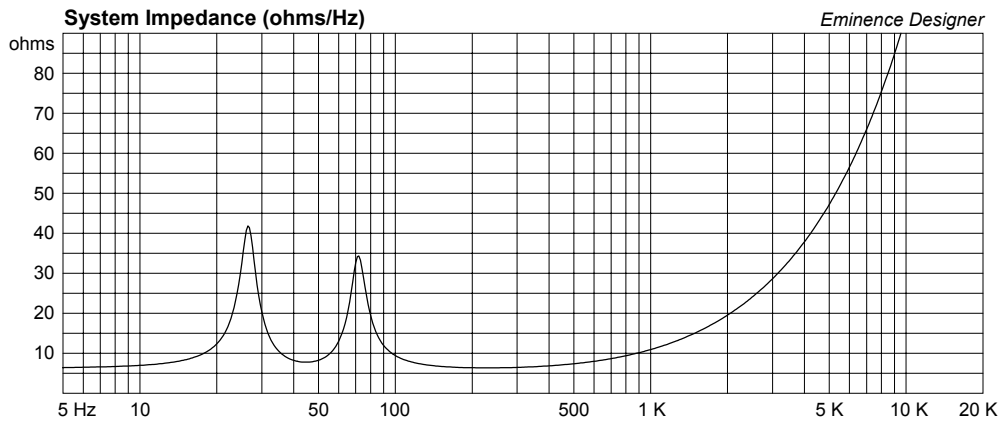
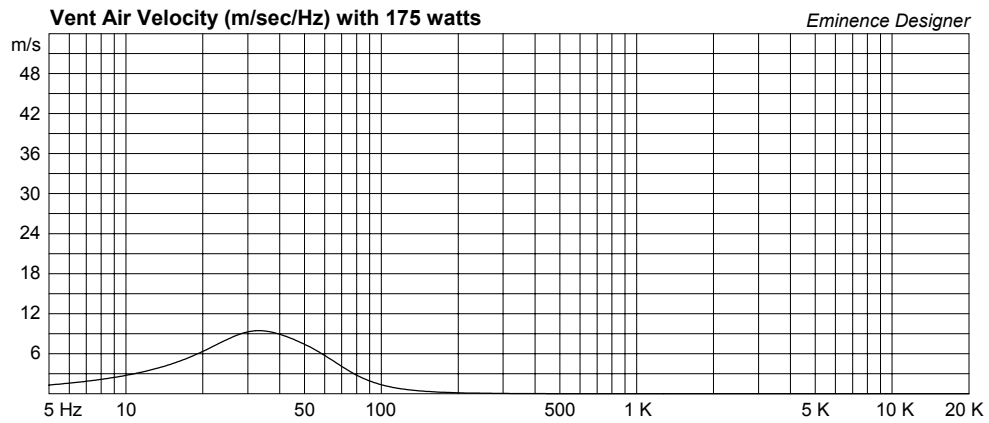
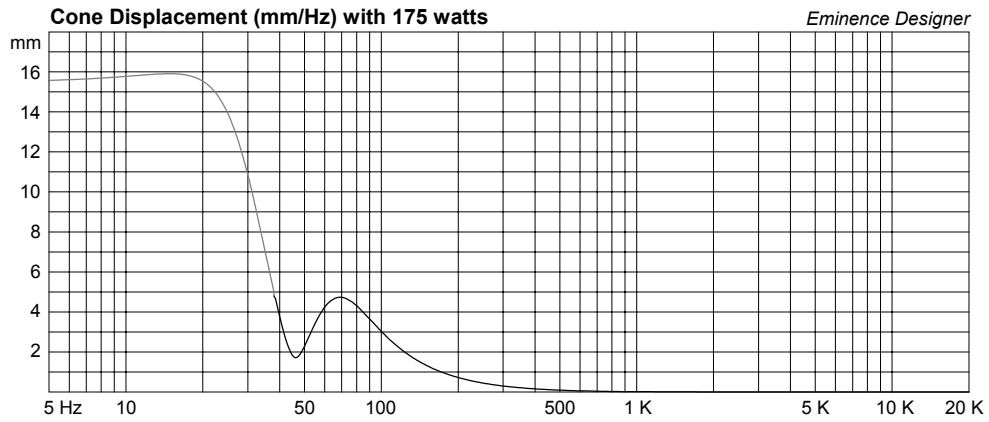
Re = 6.3 ohms

Le = 1.49 mH

Z = 8 ohms

Pe = 500 watts





Delta15LFA Med Vented Cabinet

By McJerry, Eminence Speaker LLC

Displacement Limited to 250 Watts; F3 of 49 Hz. Use a 40 Hz High Pass Filter.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 4.25 cu.ft

V(total) = 4.612 cu.ft

Fb = 50.89 Hz

QL = 5

F3 = 48.57 Hz

Fill = minimal

--Vents--

No. of Vents = 4

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 7.145 in

Driver Properties

--Description--

Name: Delta-15LF (8 ohm)

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised NOV 2005

Piston: Paper cone.

Suspension: M-roll cloth surround.

Dust Cap: Solid paper dust cap.

Frame: Pressed steel basket.

Voice Coil: 2.5 inch (63.5 mm) copper.

Magnet: 56 oz ferrite magnet.

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 41 Hz

Qms = 6.65

Vas = 186.1 liters

Xmax = 4.8 mm

Sd = 856.3 sq.cm

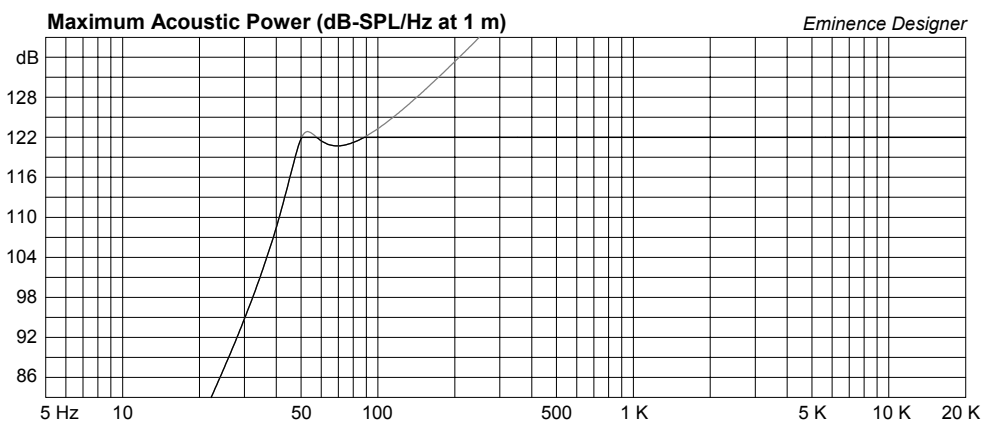
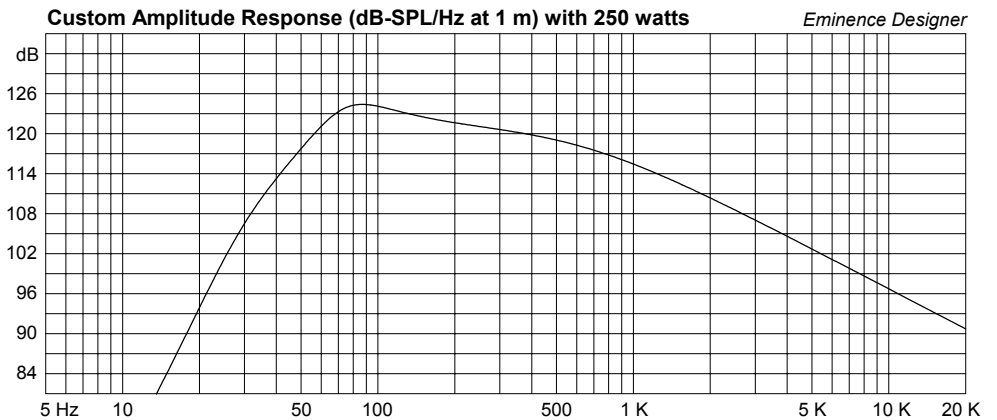
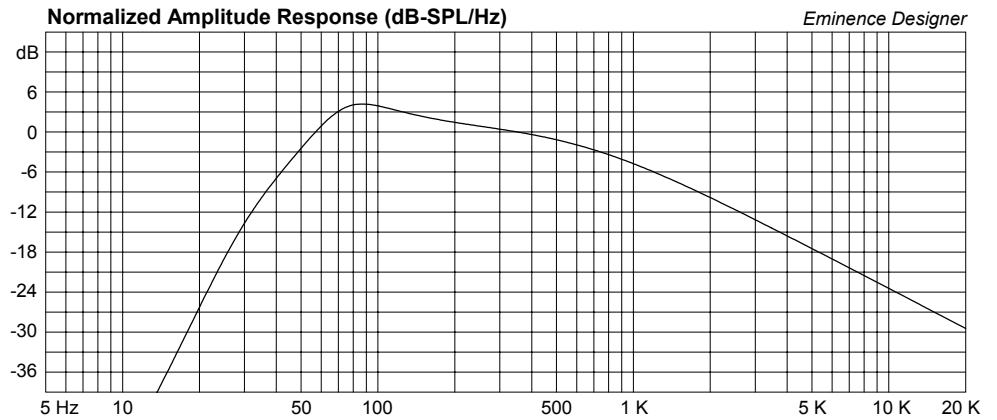
Qes = 0.64

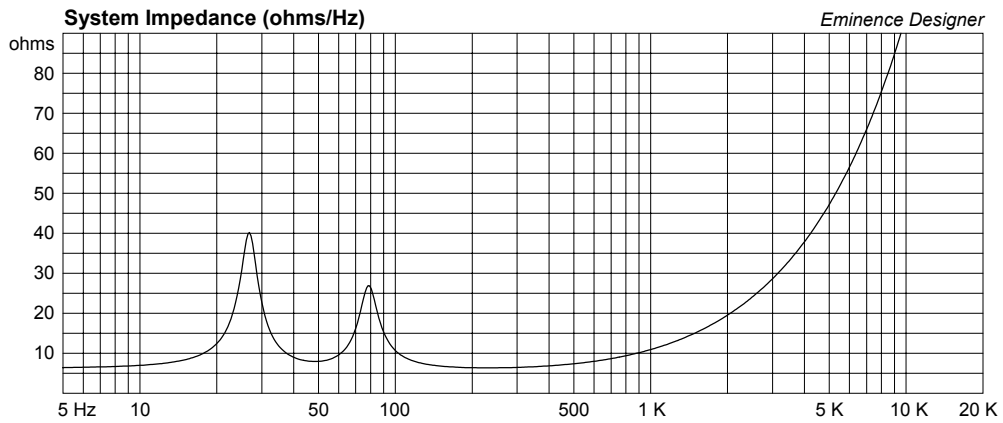
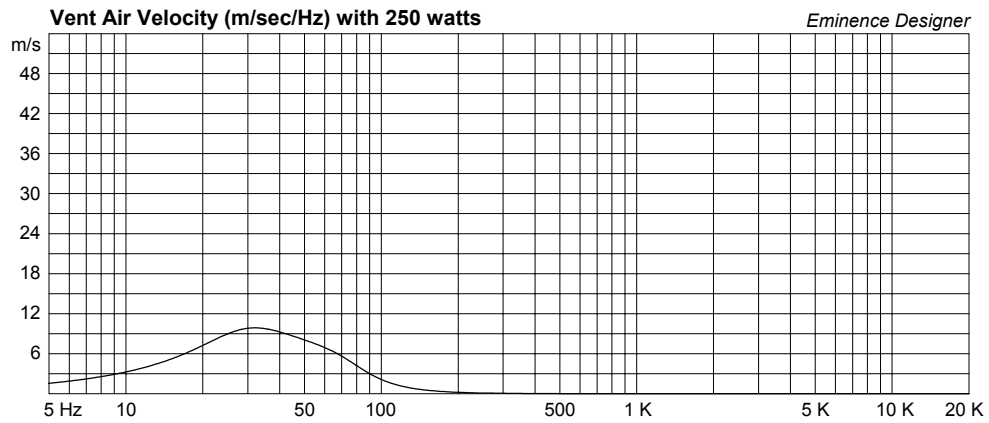
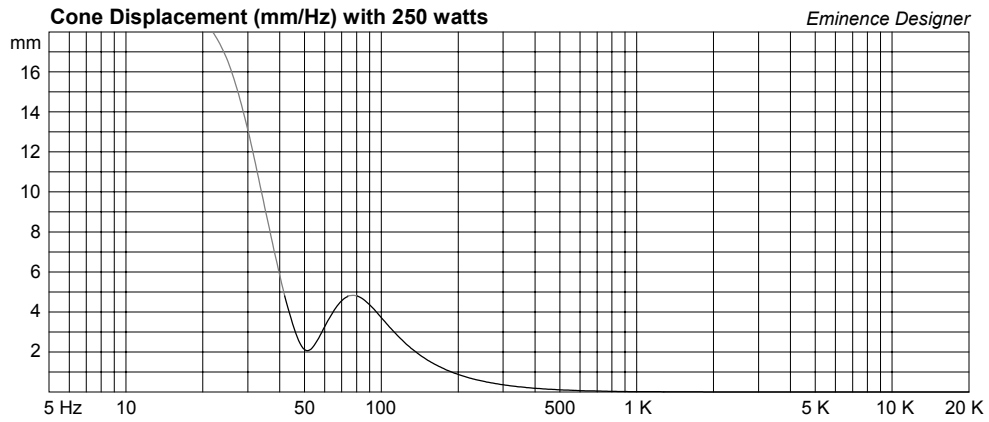
Re = 6.3 ohms

Le = 1.49 mH

Z = 8 ohms

Pe = 500 watts





Delta15LFA Small Sealed Mid/Hi Sat or Floor Monitor

By McJerry, Eminence Speaker LLC

Displacement Limited to 350 Watts. Use a steep High Pass filter set to 100 Hz or higher. Not for Full Range Use.

Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 1.25 cu.ft

V(total) = 1.378 cu.ft

Qtc = 1.007

QL = 19.9

F3 = 76.54 Hz

Fill = heavy

Driver Properties

--Description--

Name: Delta-15LF (8 ohm)

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised NOV 2005

Piston: Paper cone.

Suspension: M-roll cloth surround.

Dust Cap: Solid paper dust cap.

Frame: Pressed steel basket.

Voice Coil: 2.5 inch (63.5 mm) copper.

Magnet: 56 oz ferrite magnet.

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 41 Hz

Qms = 6.65

Vas = 186.1 liters

Xmax = 4.8 mm

Sd = 856.3 sq.cm

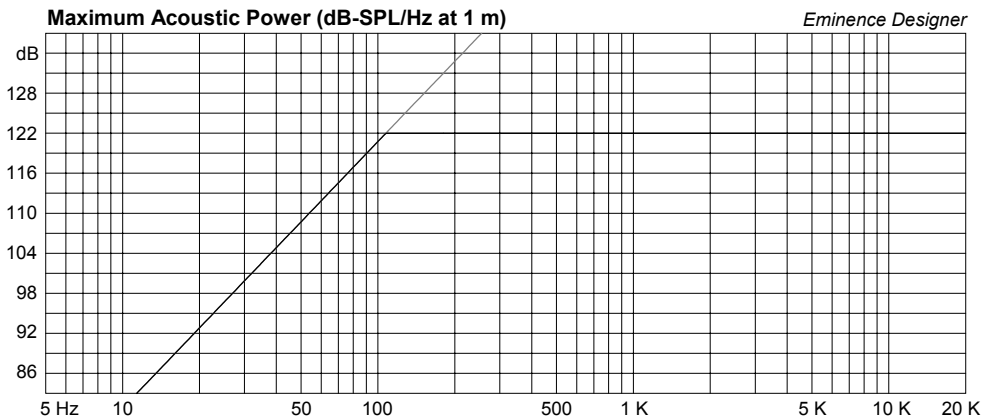
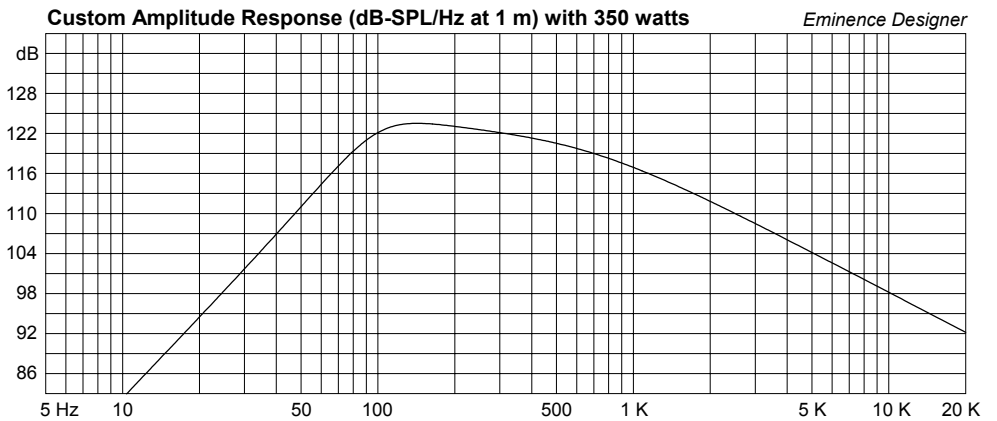
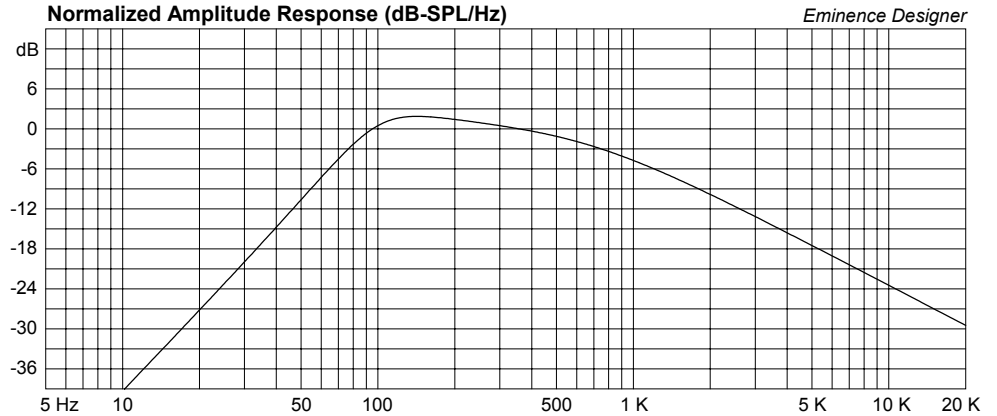
Qes = 0.64

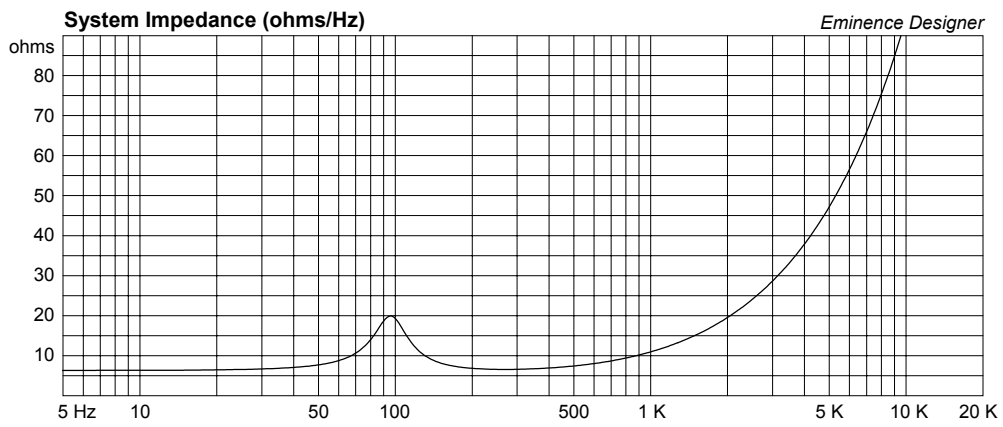
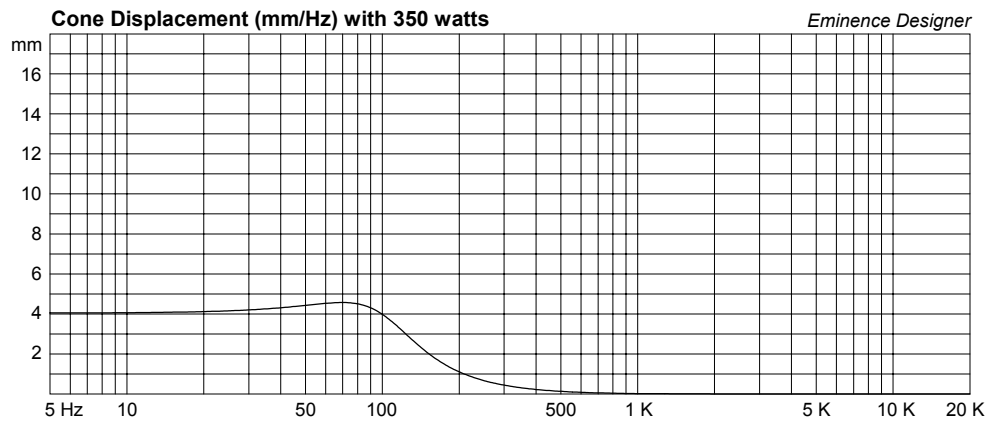
Re = 6.3 ohms

Le = 1.49 mH

Z = 8 ohms

Pe = 500 watts





Delta15LFA Small Vented Cabinet

By McJerry, Eminence Speaker LLC

Displacement Limited to 325 Watts; F3 of 56 Hz. Use a steep High Pass filter set to 50 Hz.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 2.95 cu.ft

V(total) = 3.146 cu.ft

Fb = 58.77 Hz

QL = 7

F3 = 56.09 Hz

Fill = minimal

--Vents--

No. of Vents = 4

Vent shape = round

Vent ends = one flush

Dv = 3 in

Lv = 3.536 in

Driver Properties

--Description--

Name: Delta-15LF (8 ohm)

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised NOV 2005

Piston: Paper cone.

Suspension: M-roll cloth surround.

Dust Cap: Solid paper dust cap.

Frame: Pressed steel basket.

Voice Coil: 2.5 inch (63.5 mm) copper.

Magnet: 56 oz ferrite magnet.

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 41 Hz

Qms = 6.65

Vas = 186.1 liters

Xmax = 4.8 mm

Sd = 856.3 sq.cm

Qes = 0.64

Re = 6.3 ohms

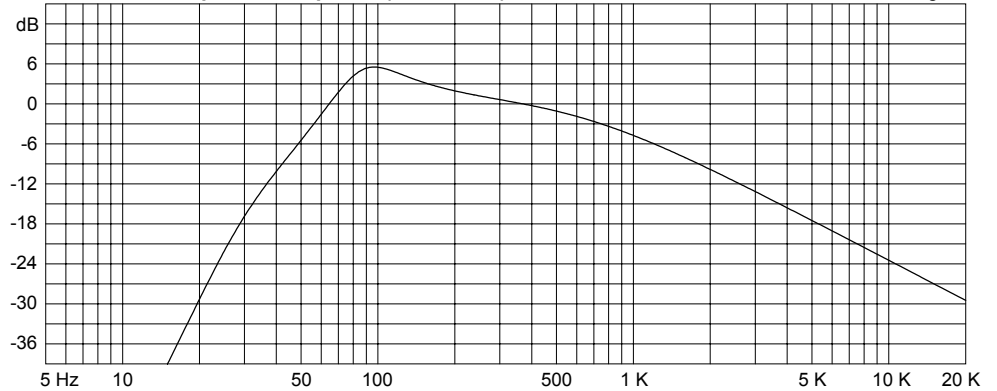
Le = 1.49 mH

Z = 8 ohms

Pe = 500 watts

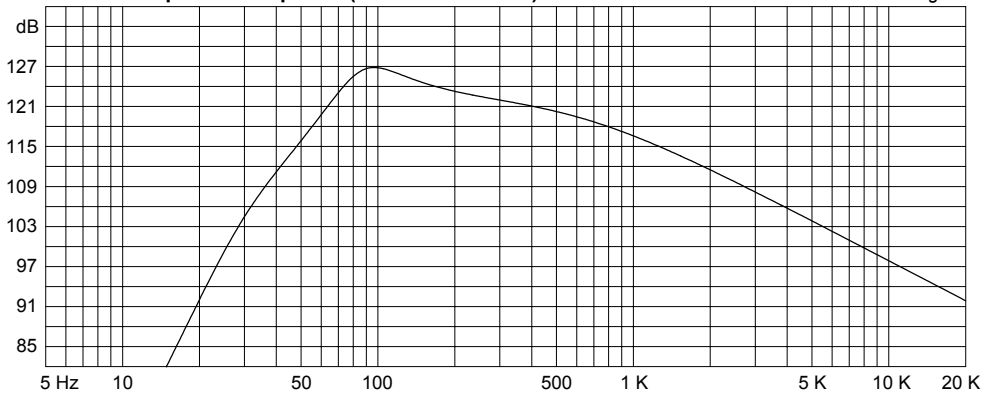
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



Custom Amplitude Response (dB-SPL/Hz at 1 m) with 325 watts

Eminence Designer



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

Eminence Designer

