

Delta12A Larger Vented Cab.; Low Pwr Full Range PA Cab.

By McJerry, Eminence Speaker LLC

Displacement Limited to 50 Watts; for best results 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 = 2.75 cu.ft

V(total) = 2.89 cu.ft

Fb = 55 Hz

QL = 7

F3 = 61.87 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 3.712 in

Driver Properties

--Description--

Name: Delta-12 (8 ohm)

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised NOV 2005

Piston: Paper cone.

Suspension: Cloth surround.

Dust Cap: Solid composition paper dust cap.

Frame: Pressed steel basket.

Voice Coil: 2.5 inch (63.5 mm) AL Wire. Kapton former.

Magnet: 56 oz ferrite magnet.

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 55 Hz

Qms = 5.27

Vas = 81.3 liters

Cms = 0.21 mm/N

Mms = 39 g

Rms = 2.55 kg/s

Xmax = 2.4 mm

Xmech = 9.9 mm

P-Dia = 257.8 mm

Sd = 519.5 sq.cm

P-Vd = 0.125 liters

--Electrical Parameters--

Qes = 0.46

Re = 6.3 ohms

Le = 0.74 mH

Z = 8 ohms

BL = 13.5 Tm

Pe = 400 watts

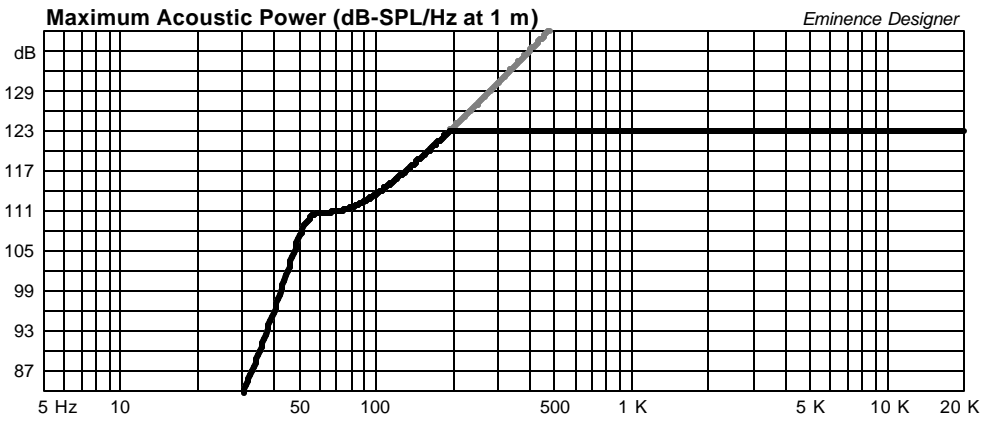
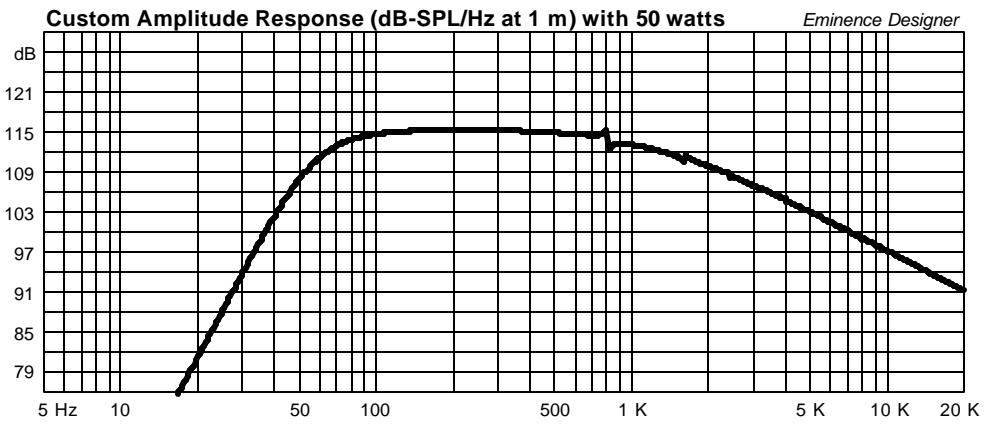
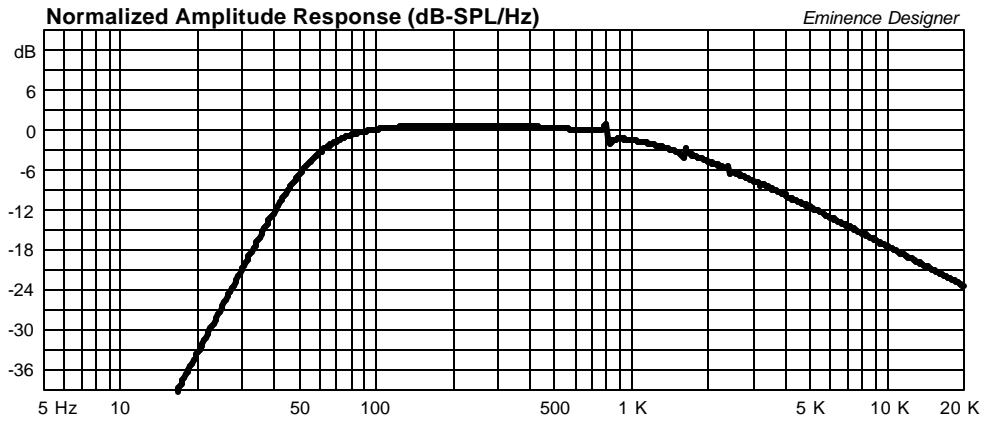
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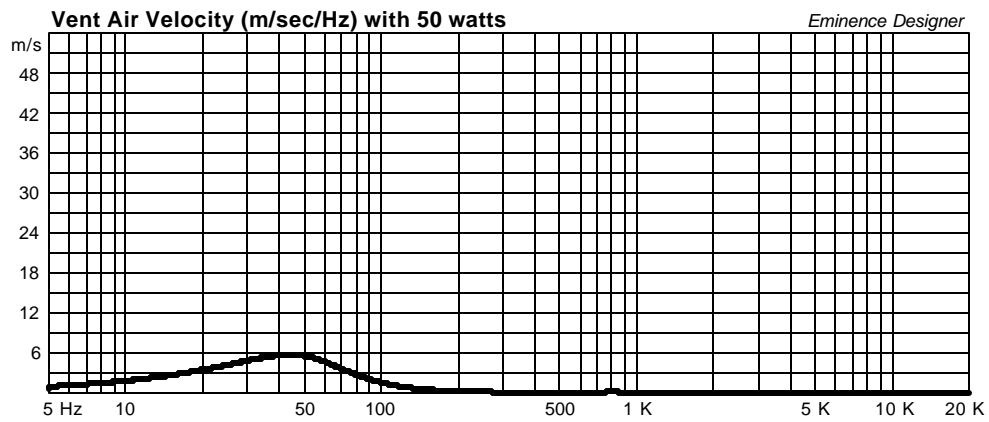
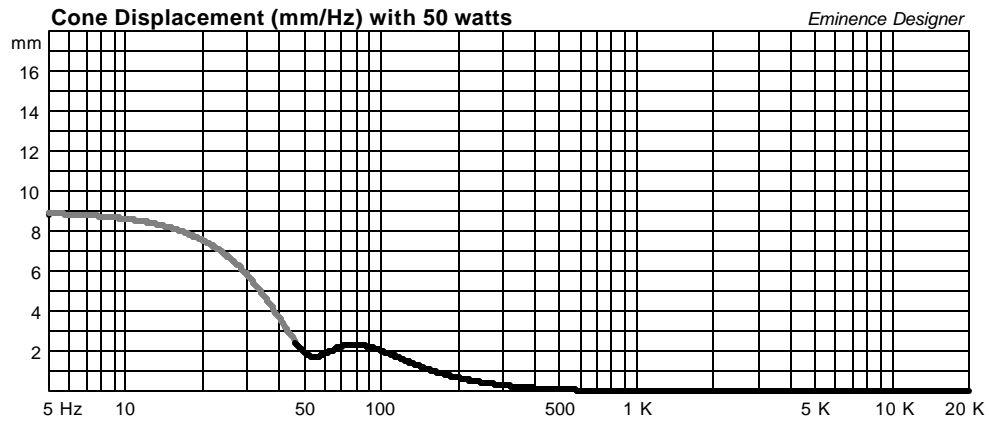
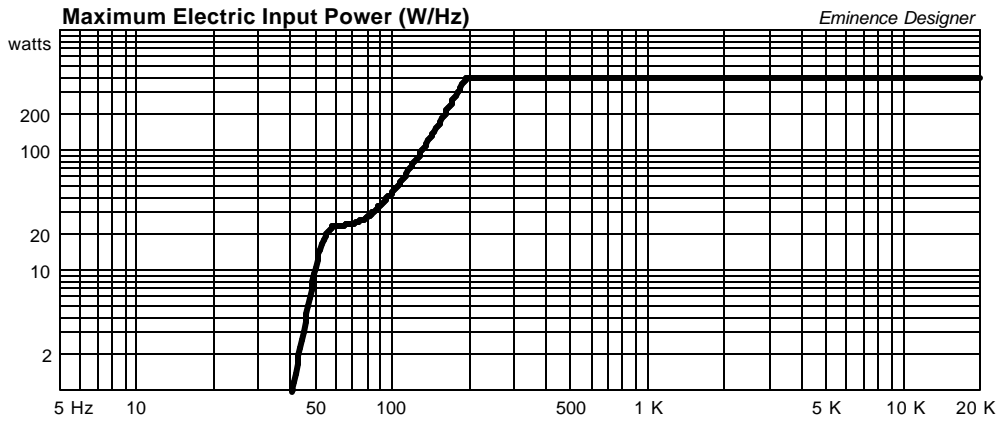
Qts = 0.43

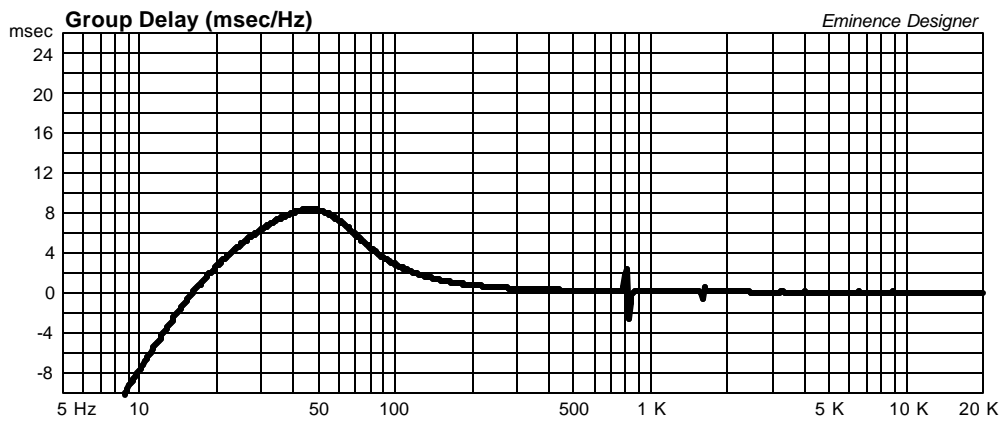
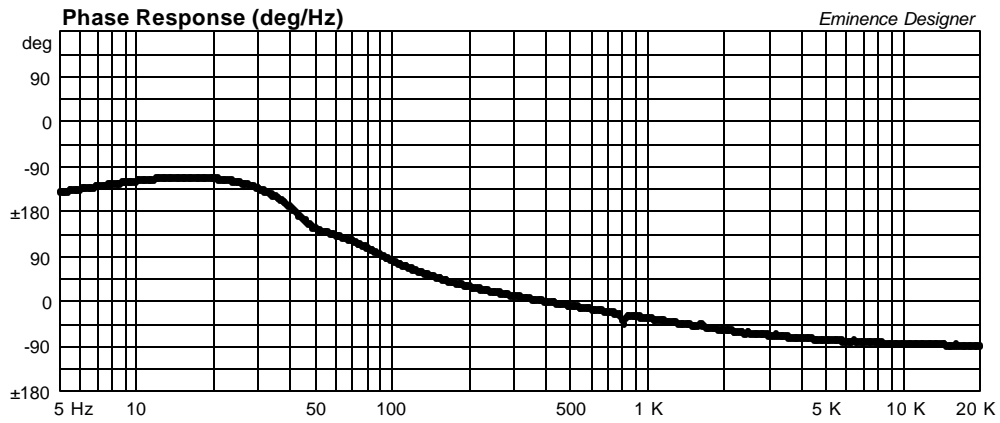
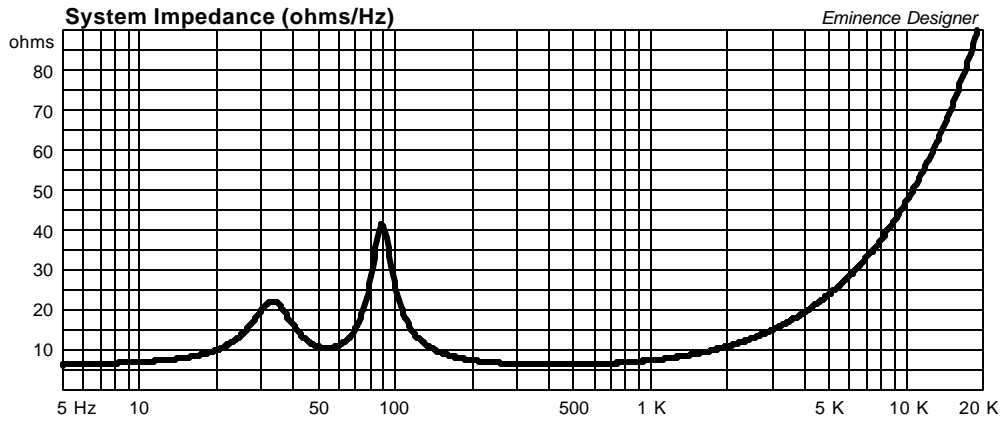
no = 2.835 %

1-W SPL = 96.67 dB

2.83-V SPL = 97.71 dB







Delta12A Med Vented Cab.; Med Pwr Two Way Sat Type Cab.

By McJerry, Eminence Speaker LLC

Displacement limited to 100 Watts; use a steep high pass filter set to 70 Hz or higher.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 1.35 cu.ft

V(total) = 1.453 cu.ft

Fb = 70 Hz

QL = 7

F3 = 78.85 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 3 in

Lv = 2.423 in

Driver Properties

--Description--

Name: Delta-12 (8 ohm)

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised NOV 2005

Piston: Paper cone.

Suspension: Cloth surround.

Dust Cap: Solid composition paper dust cap.

Frame: Pressed steel basket.

Voice Coil: 2.5 inch (63.5 mm) AL Wire. Kapton former.

Magnet: 56 oz ferrite magnet.

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 55 Hz

Qms = 5.27

Vas = 81.3 liters

Cms = 0.21 mm/N

Mms = 39 g

Rms = 2.55 kg/s

Xmax = 2.4 mm

Xmech = 9.9 mm

P-Dia = 257.8 mm

Sd = 519.5 sq.cm

P-Vd = 0.125 liters

--Electrical Parameters--

Qes = 0.46

Re = 6.3 ohms

Le = 0.74 mH

Z = 8 ohms

BL = 13.5 Tm

Pe = 400 watts

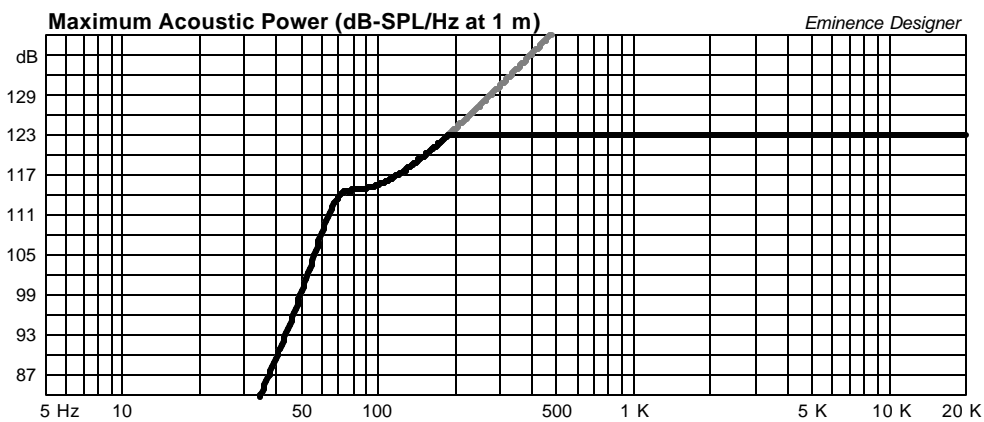
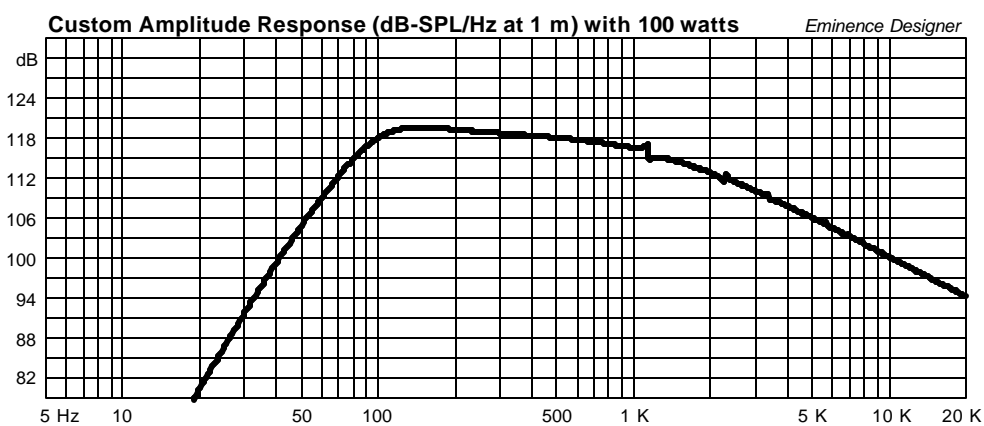
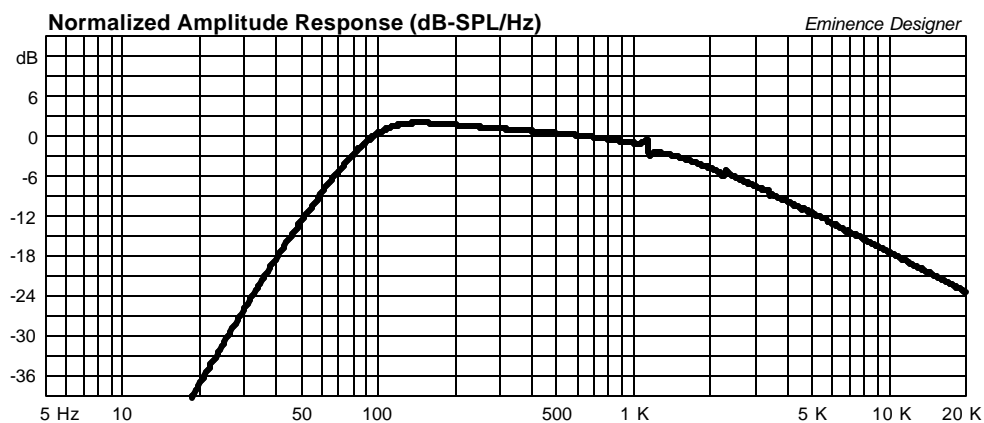
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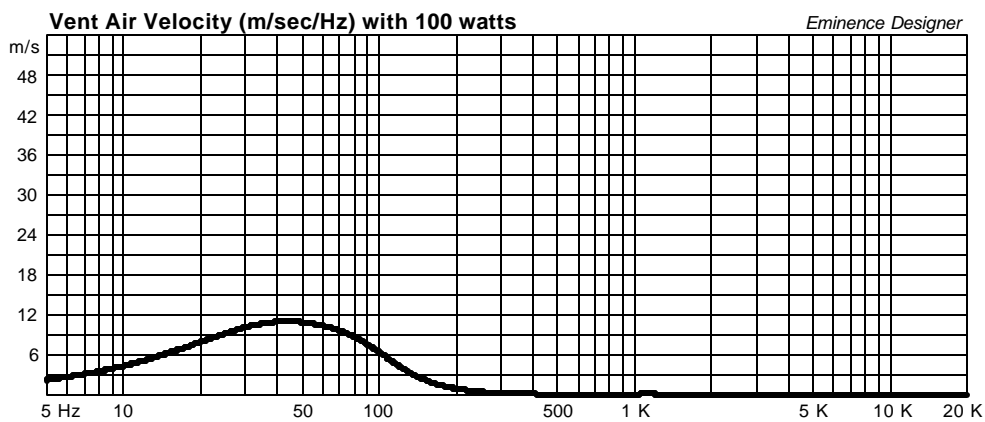
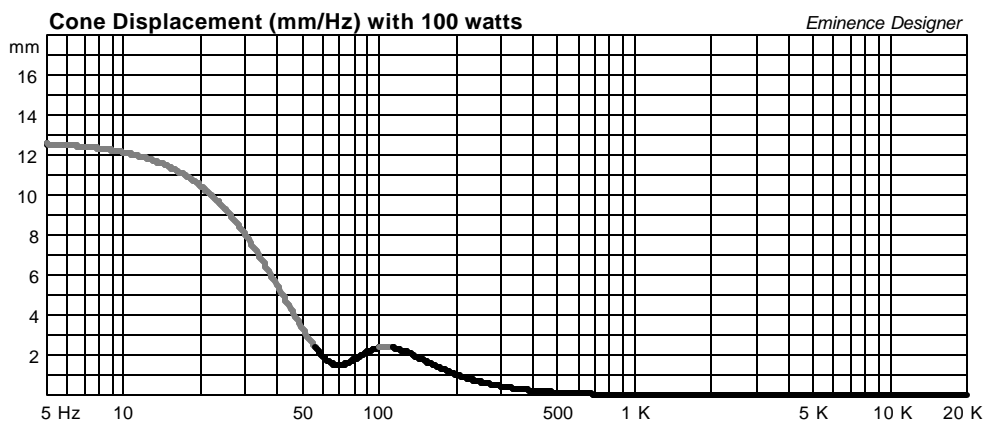
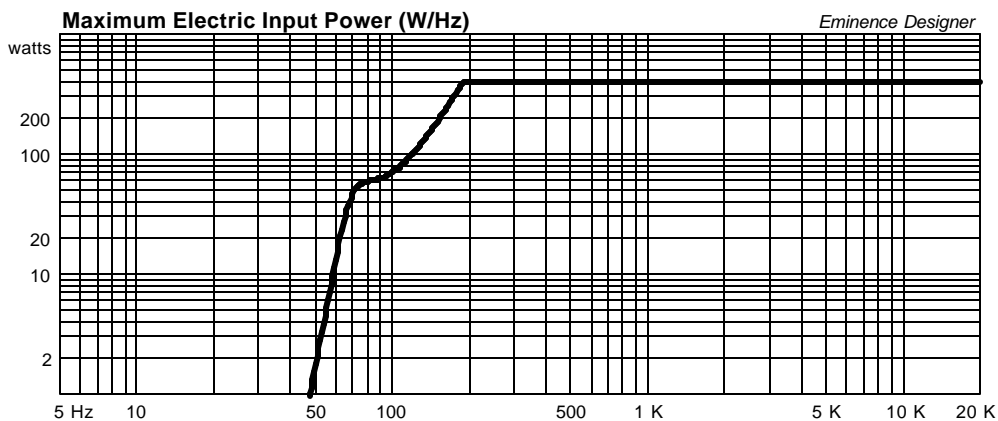
Qts = 0.43

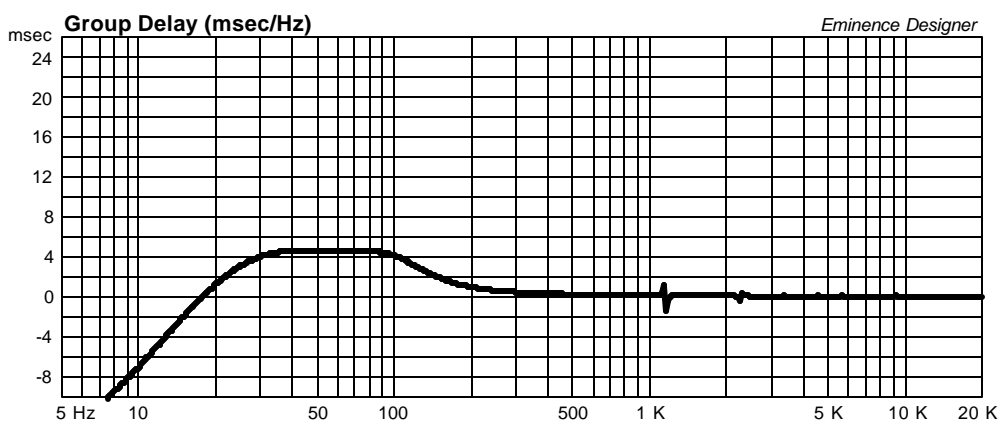
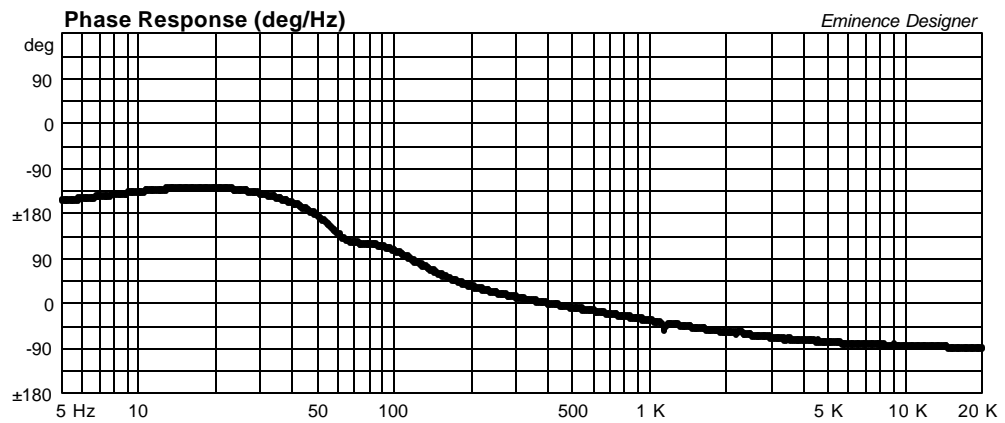
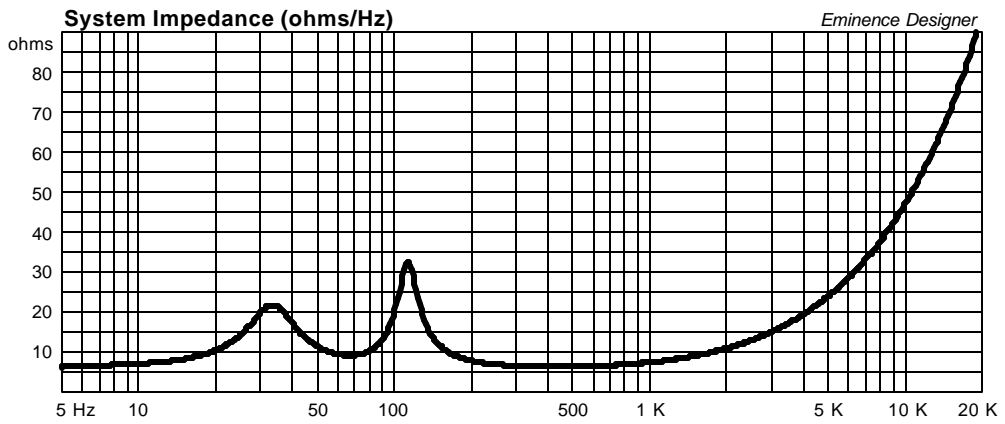
no = 2.835 %

1-W SPL = 96.67 dB

2.83-V SPL = 97.71 dB







Delta12A Small Vented Cab.; Med Pwr Mid/High Box

By McJerry, Eminence Speaker LLC

Displacement Limited to 200 Watts; use a steep high pass filter set to 100 Hz or higher. Great for Med power, very small Sat type cabinet.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 0.75 cu.ft

V(total) = 0.837 cu.ft

Fb = 110 Hz

QL = 7

F3 = 100.2 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 2.971 in

Lv = 0.75 in

Driver Properties

--Description--

Name: Delta-12 (8 ohm)

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised NOV 2005

Piston: Paper cone.

Suspension: Cloth surround.

Dust Cap: Solid composition paper dust cap.

Frame: Pressed steel basket.

Voice Coil: 2.5 inch (63.5 mm) AL Wire. Kapton former.

Magnet: 56 oz ferrite magnet.

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 55 Hz

Qms = 5.27

Vas = 81.3 liters

Cms = 0.21 mm/N

Mms = 39 g

Rms = 2.55 kg/s

Xmax = 2.4 mm

Xmech = 9.9 mm

P-Dia = 257.8 mm

Sd = 519.5 sq.cm

P-Vd = 0.125 liters

--Electrical Parameters--

Qes = 0.46

Re = 6.3 ohms

Le = 0.74 mH

Z = 8 ohms

BL = 13.5 Tm

Pe = 400 watts

--Electromech. Parameters--

Qts = 0.43

no = 2.835 %

1-W SPL = 96.67 dB

2.83-V SPL = 97.71 dB

