

# DeltaPro12 Small Mid/Hi Sat Box or Hi Pwr Floor Wedge

By McJerry, Eminence Speaker LLC

Displacement and thermally limited to 400 watts. Must use a 24 dB per octave high pass filter set to 100 Hz or higher to protect woofer from overexcursion. Great for a 12" Two-way mid/high or a hi-power floor monitor.

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## Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 1 cu.ft

V(total) = 1.096 cu.ft

Fb = 95 Hz

QL = 7

F3 = 86.52 Hz

Fill = minimal

--Vents--

No. of Vents = 3

Vent shape = round

Vent ends = one flush

Dv = 2.253 in

Lv = 0.75 in

## Driver Properties

--Description--

Name: Delta Pro-12

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: Diecast aluminum basket.

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

Magnet: 80 oz ferrite magnet.

--Configuration--

**No. of Drivers = 1**

--Mechanical Parameters--

Fs = 51 Hz

Qms = 7.56

Vas = 81.7 liters

Cms = 0.21 mm/N

Mms = 48 g

Rms = 2.02 kg/s

Xmax = 4.55 mm

Xmech = 13.65 mm

P-Dia = 258.1 mm

Sd = 532.4 sq.cm

P-Vd = 0.238 liters

--Electrical Parameters--

Qes = 0.37

Re = 5.71 ohms

Le = 0.84 mH

Z = 8 ohms

BL = 15.3 Tm

Pe = 400 watts

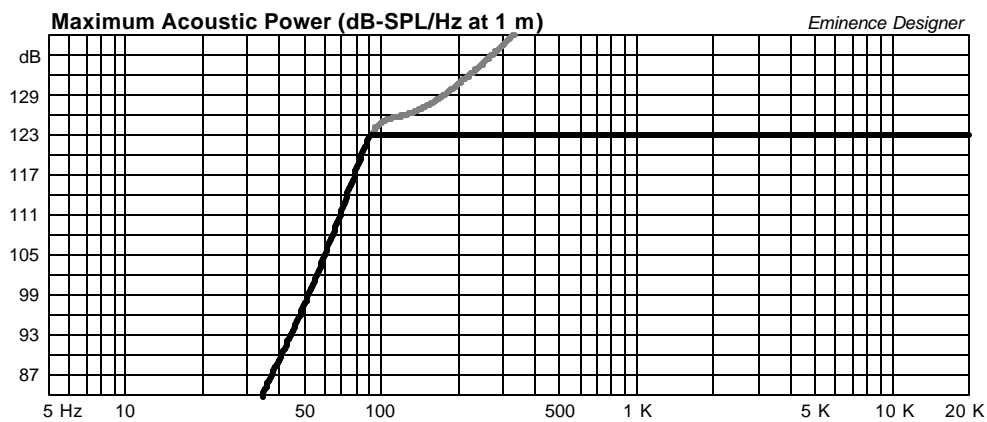
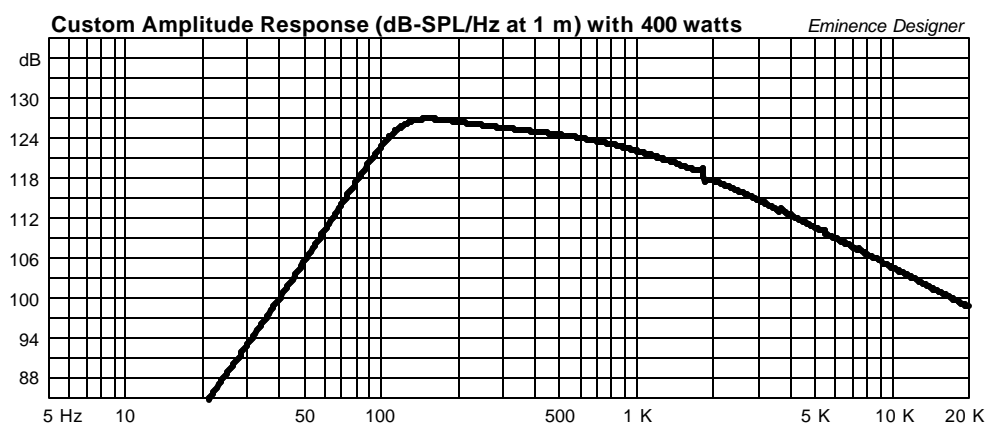
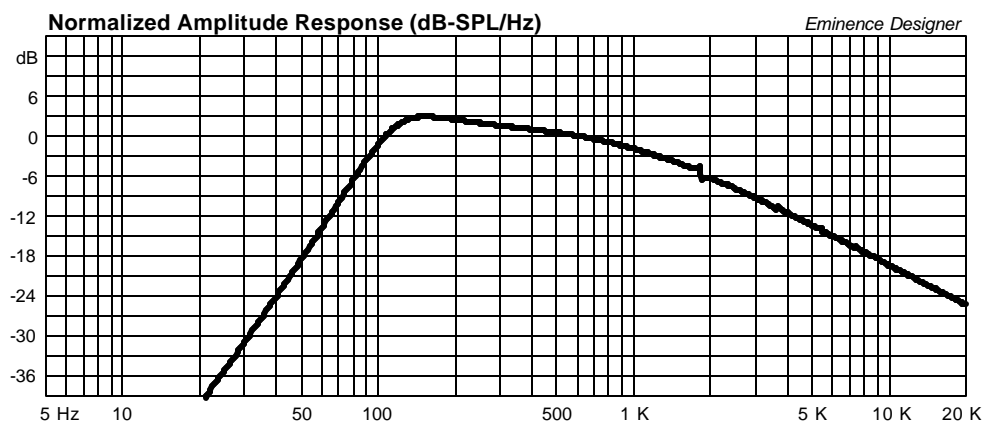
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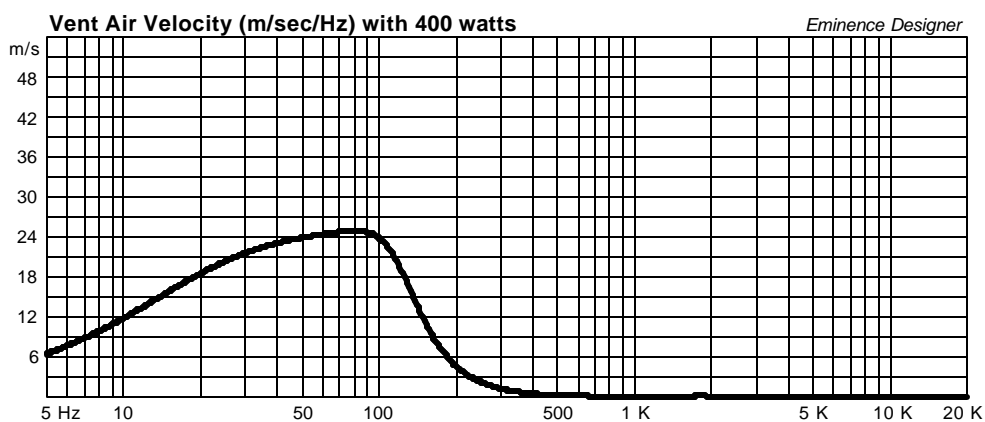
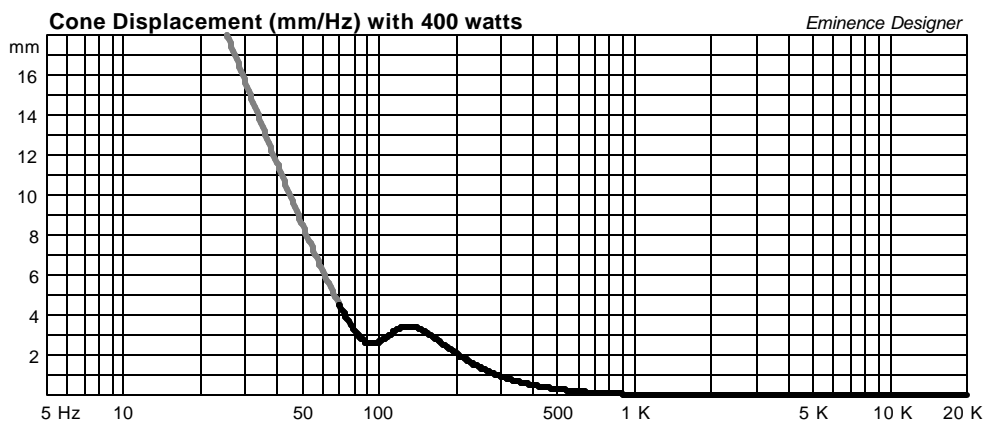
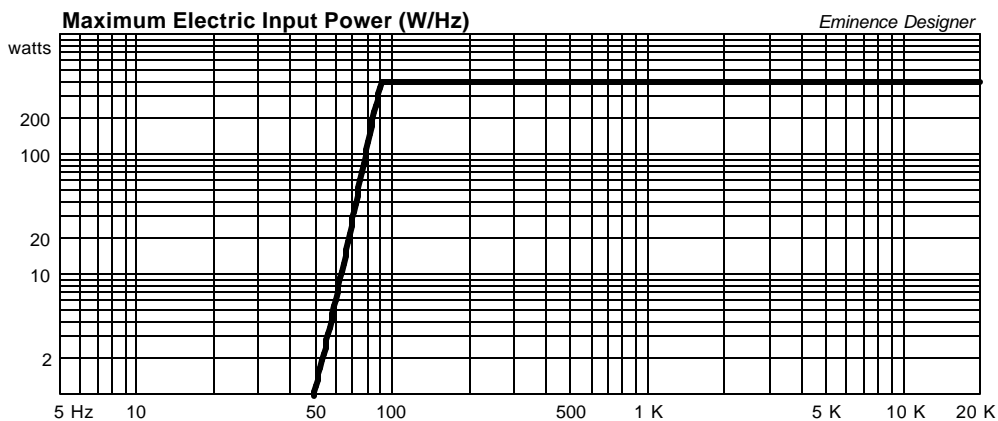
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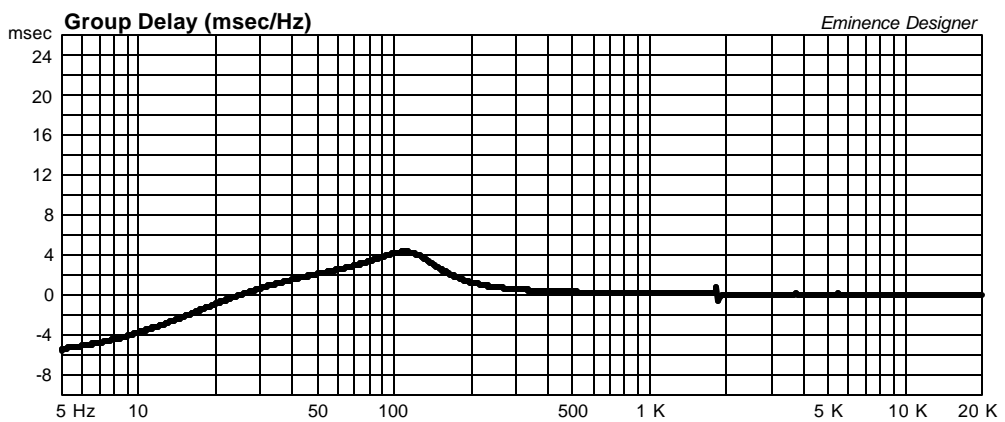
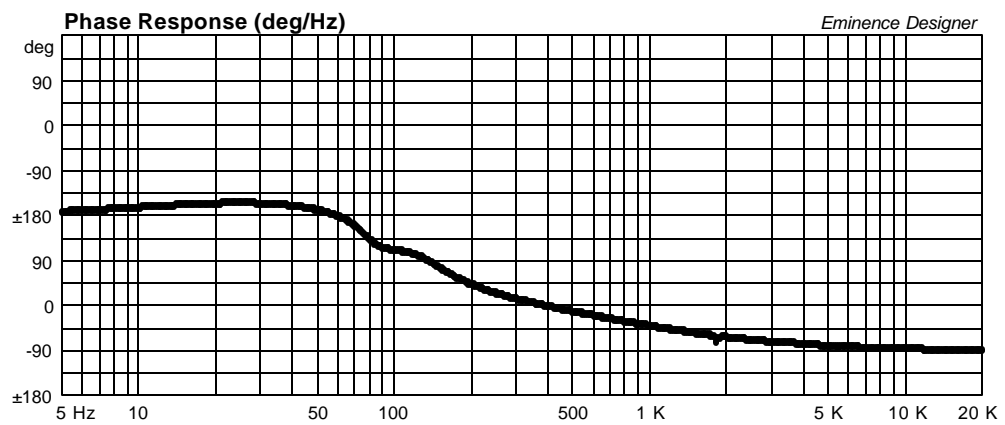
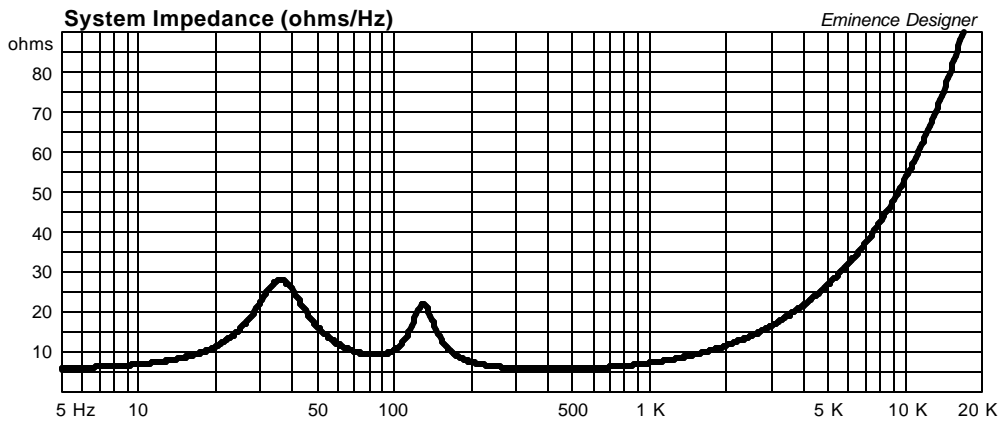
no = 2.824 %

1-W SPL = 96.66 dB

2.83-V SPL = 98.12 dB







# DeltaPro12 Med Vented Cab.; Mid/High or Floor Monitor

By McJerry, Eminence Speaker LLC

Displacement limited to 350 watts. Must use a 24 dB per octave high pass filter set to 70 Hz or higher to protect woofer from overexcursion.

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## Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 2 cu.ft

V(total) = 2.1 cu.ft

Fb = 75 Hz

QL = 7

F3 = 72.38 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 3.575 in

Lv = 0.75 in

## Driver Properties

--Description--

Name: Delta Pro-12

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: Diecast aluminum basket.

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

Magnet: 80 oz ferrite magnet.

--Configuration--

**No. of Drivers = 1**

--Mechanical Parameters--

Fs = 51 Hz

Qms = 7.56

Vas = 81.7 liters

Cms = 0.21 mm/N

Mms = 48 g

Rms = 2.02 kg/s

Xmax = 4.55 mm

Xmech = 13.65 mm

P-Dia = 258.1 mm

Sd = 532.4 sq.cm

P-Vd = 0.238 liters

--Electrical Parameters--

Qes = 0.37

Re = 5.71 ohms

Le = 0.84 mH

Z = 8 ohms

BL = 15.3 Tm

Pe = 400 watts

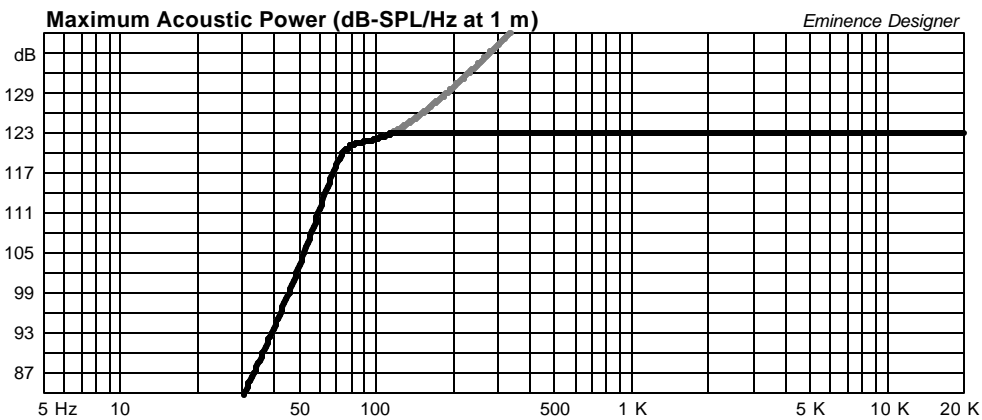
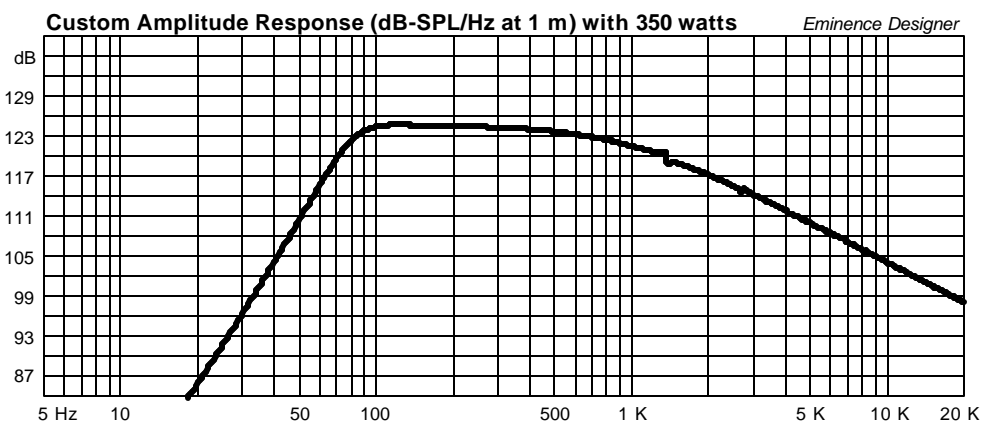
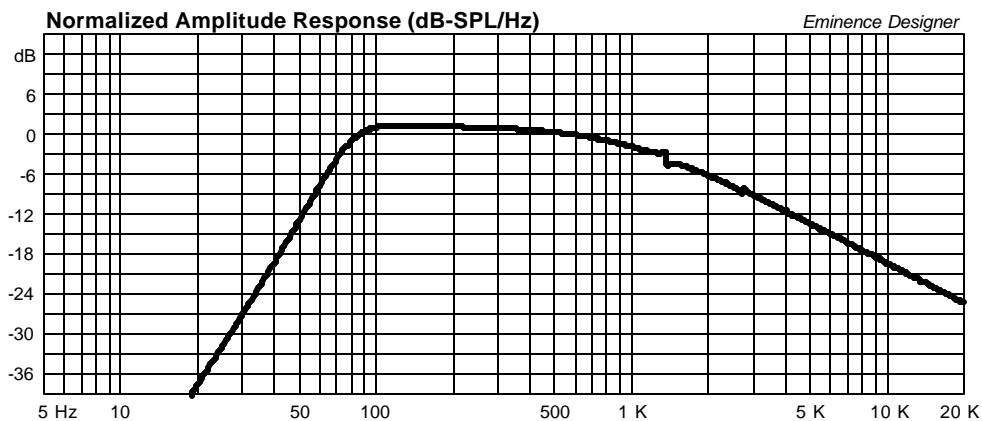
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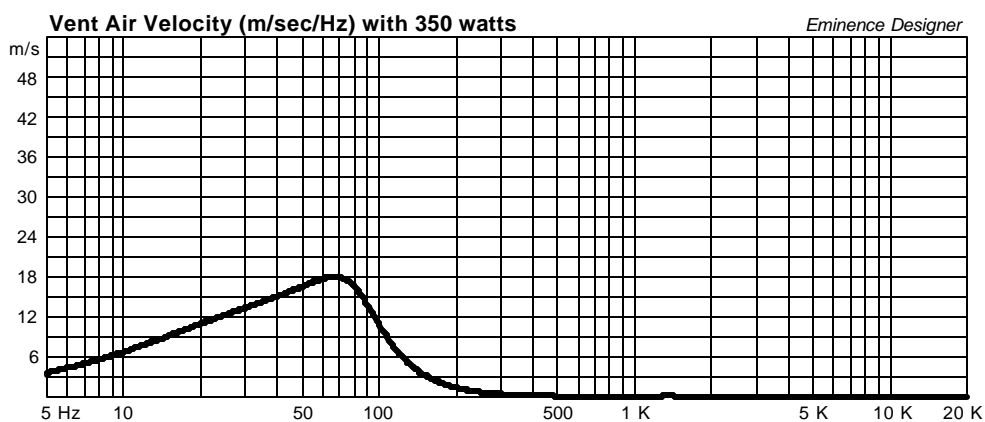
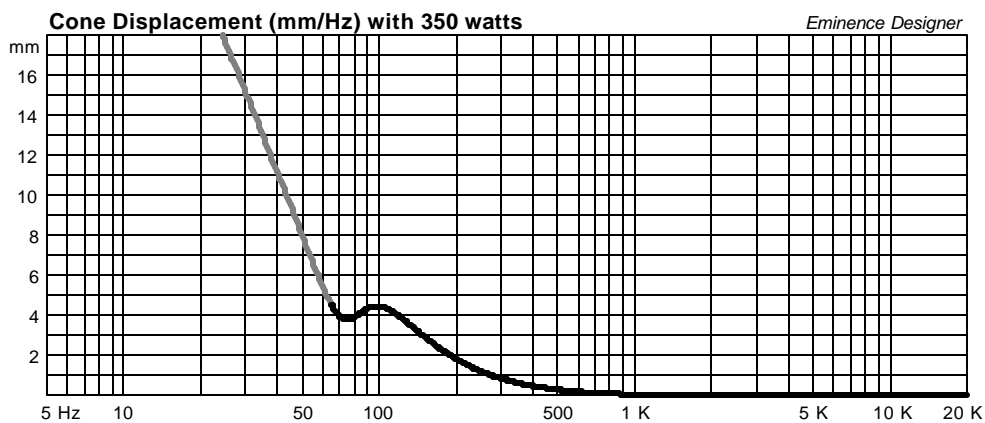
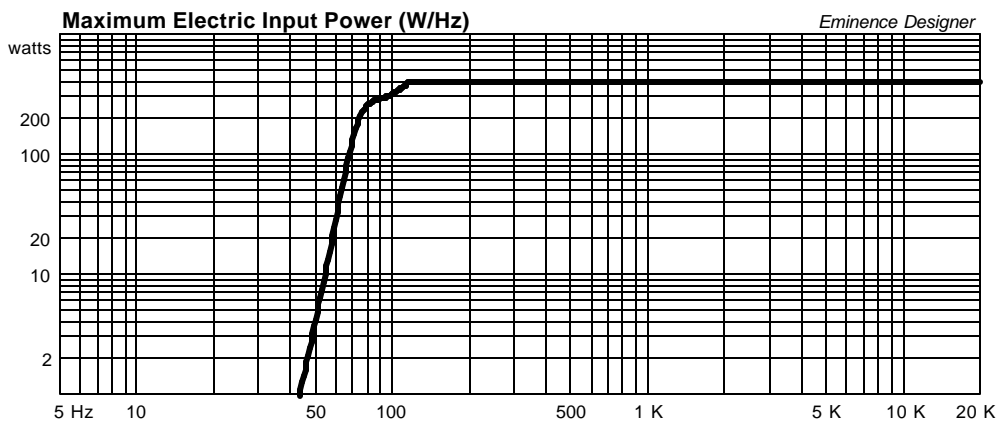
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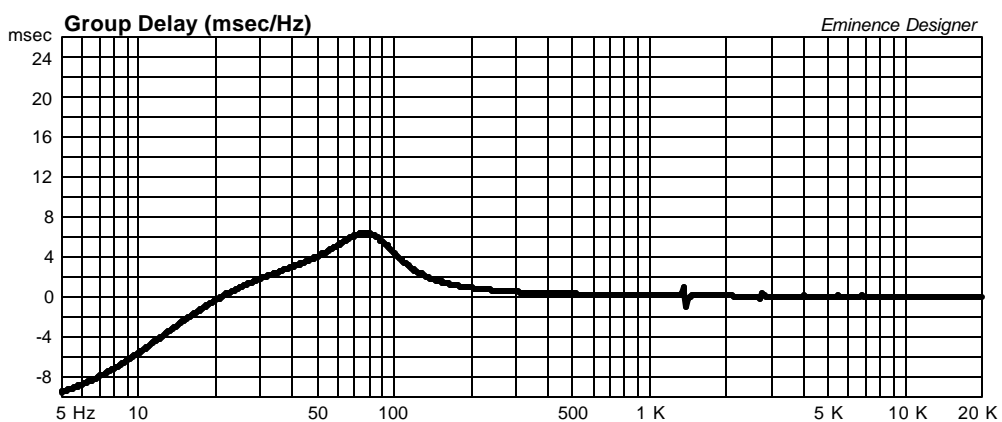
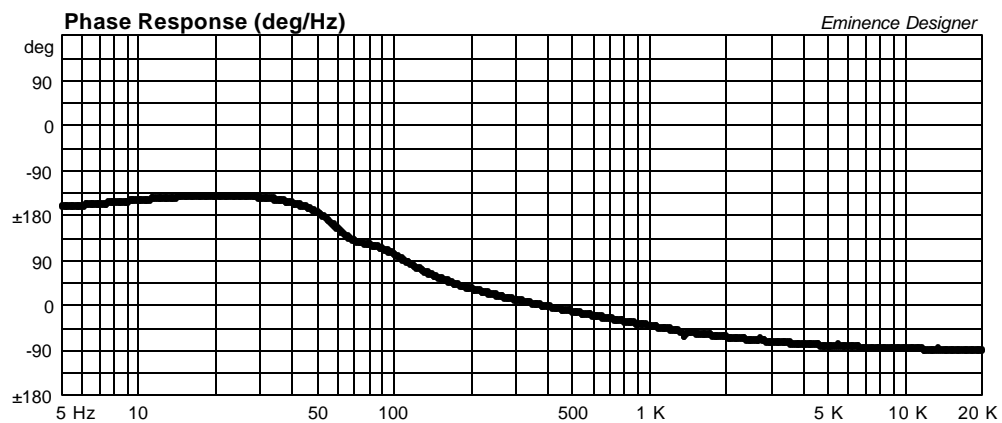
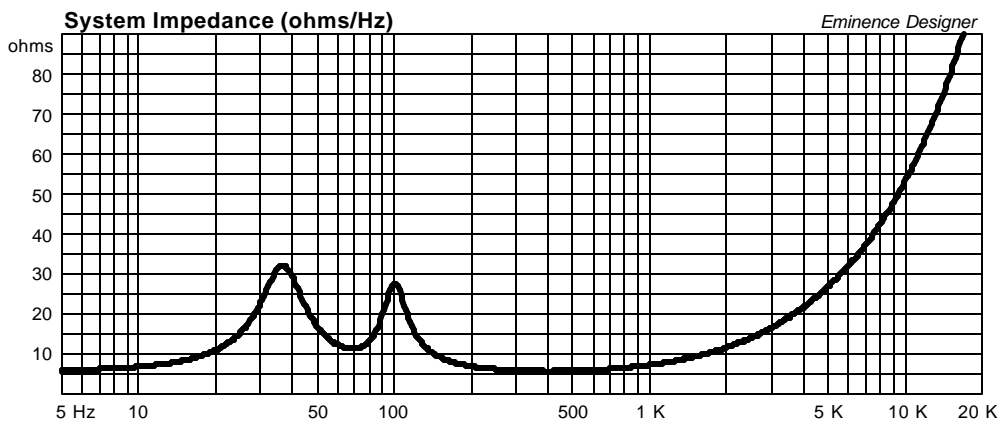
no = 2.824 %

1-W SPL = 96.66 dB

2.83-V SPL = 98.12 dB









# DeltaPro12 Larger Vented Cab.; Med Pwr Full Range Use.

By McJerry, Eminence Speaker LLC

Displacement limited to 150 watts. Must use a 24 dB per octave high pass filter set to 50 Hz or higher to protect woofer from overexcursion. Very flat response.

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## Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 3 cu.ft

V(total) = 3.139 cu.ft

Fb = 55 Hz

QL = 7

F3 = 60.03 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 3.006 in

## Driver Properties

--Description--

Name: Delta Pro-12

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: Diecast aluminum basket.

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

Magnet: 80 oz ferrite magnet.

--Configuration--

**No. of Drivers = 1**

--Mechanical Parameters--

Fs = 51 Hz

Qms = 7.56

Vas = 81.7 liters

Cms = 0.21 mm/N

Mms = 48 g

Rms = 2.02 kg/s

Xmax = 4.55 mm

Xmech = 13.65 mm

P-Dia = 258.1 mm

Sd = 532.4 sq.cm

P-Vd = 0.238 liters

--Electrical Parameters--

Qes = 0.37

Re = 5.71 ohms

Le = 0.84 mH

Z = 8 ohms

BL = 15.3 Tm

Pe = 400 watts

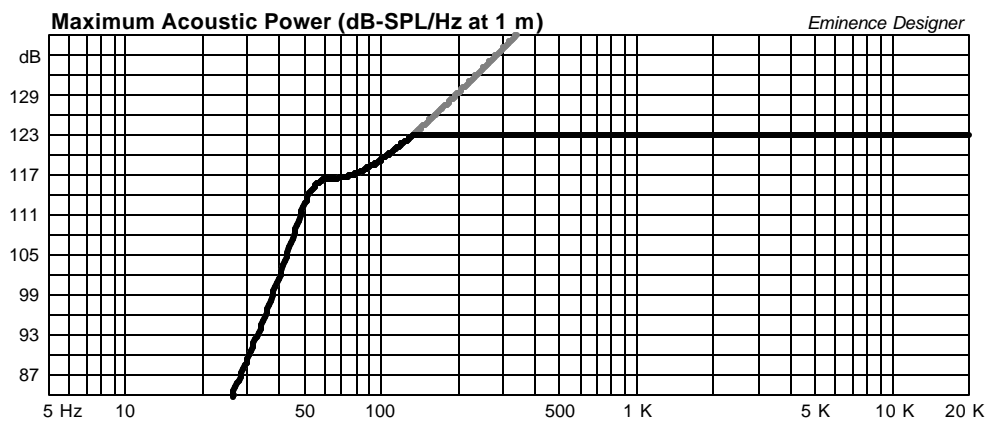
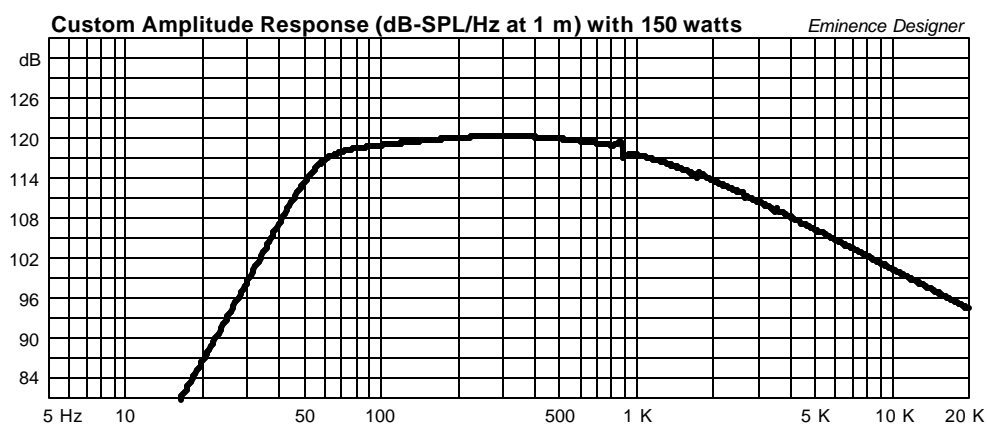
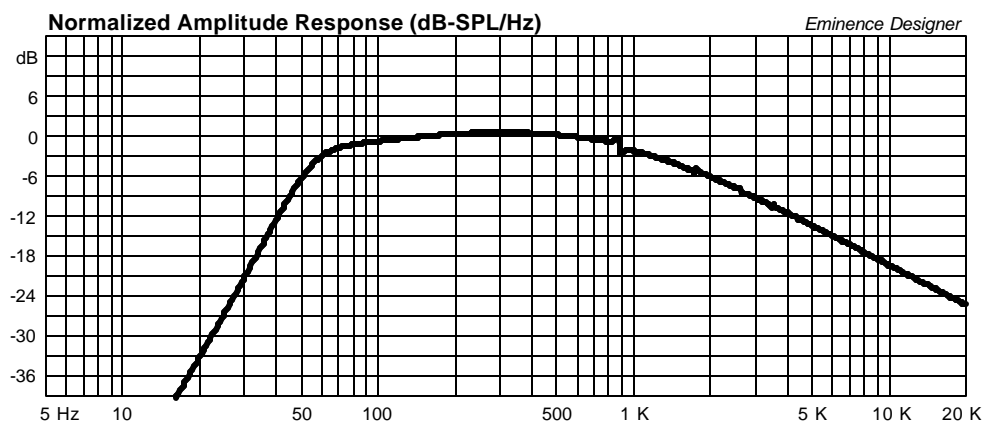
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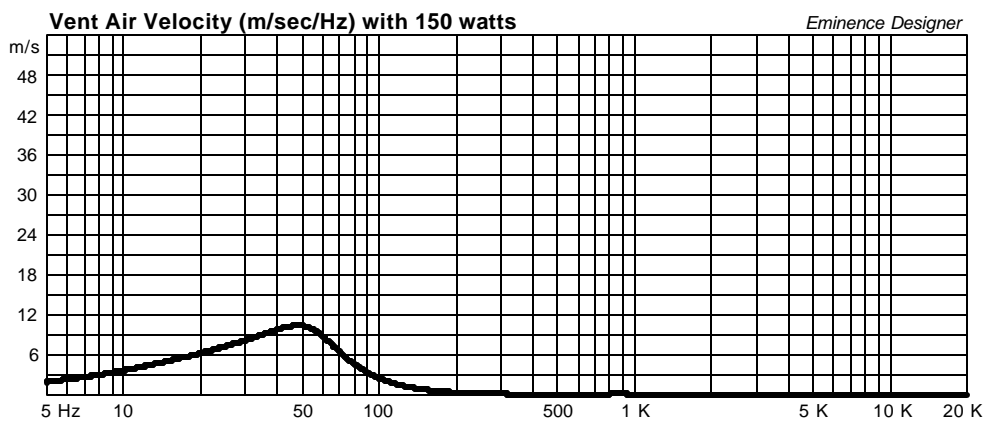
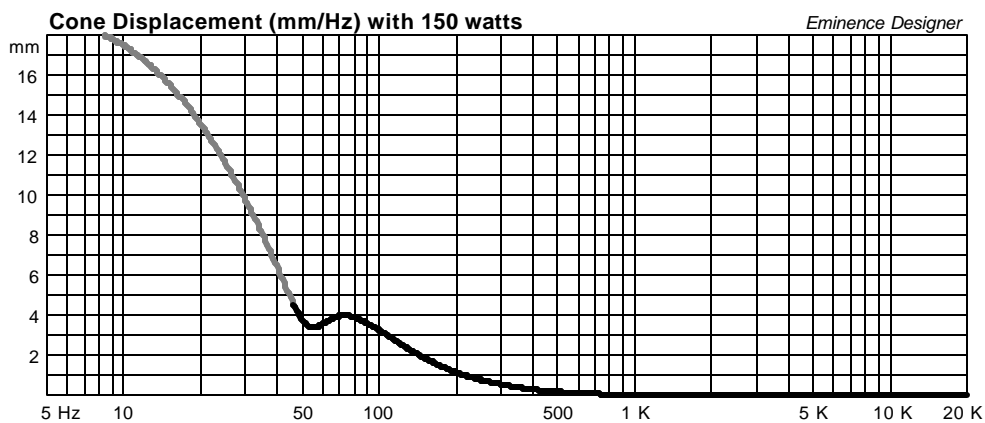
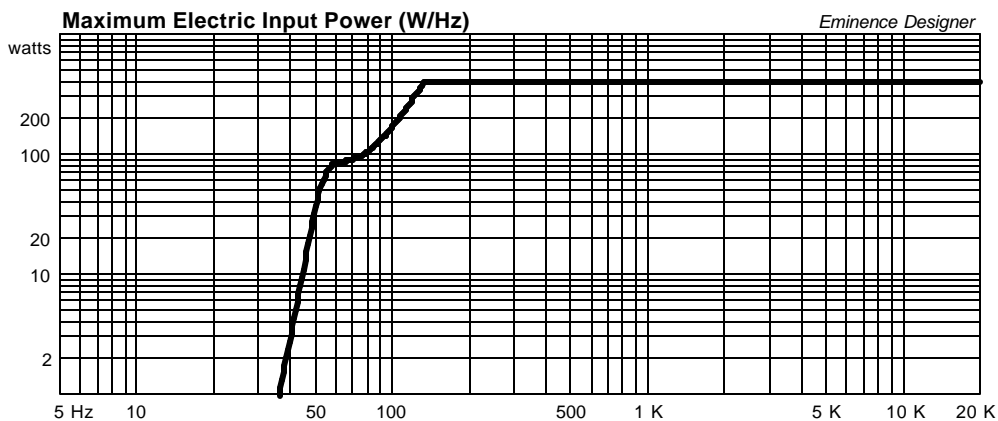
Qts = 0.35

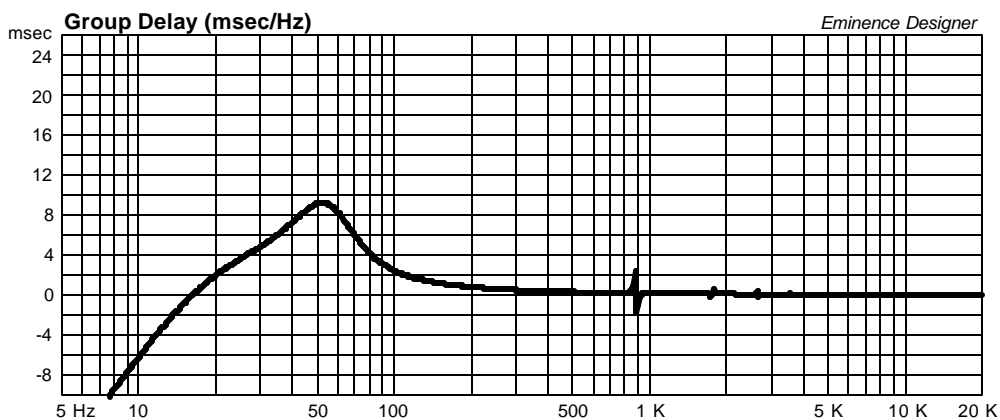
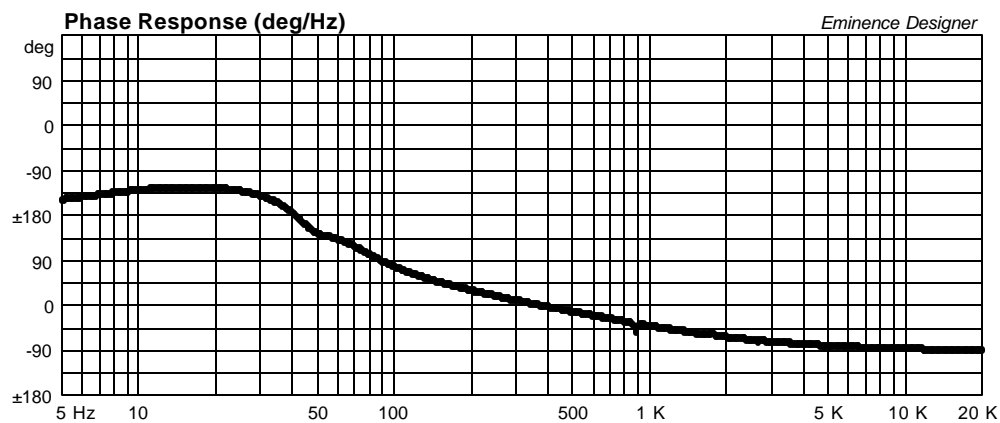
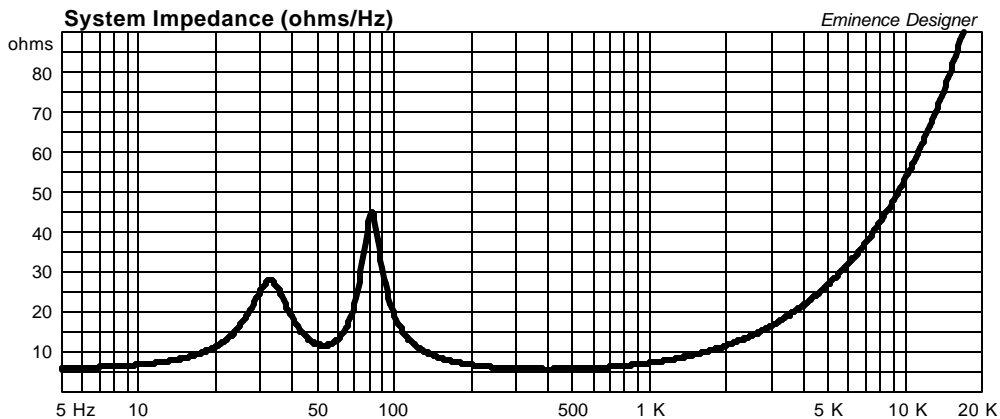
no = 2.824 %

1-W SPL = 96.66 dB

2.83-V SPL = 98.12 dB







# DeltaPro12 Small Sealed Cab.; Hi Pwr Midrange or Vocal Wedge

By McJerry, Eminence Speaker LLC

Limited to 300 Watts; use a steep high pass filter set to 150 Hz or higher.

## Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 1 cu.ft

V(total) = 1.09 cu.ft

Qtc = 0.556

QL = 20

F3 = 119.2 Hz

Fill = heavy

## Driver Properties

--Description--

Name: Delta Pro-12

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: Diecast aluminum basket.

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

Magnet: 80 oz ferrite magnet.

--Configuration--

**No. of Drivers = 1**

--Mechanical Parameters--

Fs = 51 Hz

Qms = 7.56

Vas = 81.7 liters

Cms = 0.21 mm/N

Mms = 48 g

Rms = 2.02 kg/s

Xmax = 4.55 mm

Xmech = 13.65 mm

P-Dia = 258.1 mm

Sd = 532.4 sq.cm

P-Vd = 0.238 liters

--Electrical Parameters--

Qes = 0.37

Re = 5.71 ohms

Le = 0.84 mH

Z = 8 ohms

BL = 15.3 Tm

Pe = 400 watts

--Electromech. Parameters--

Qts = 0.35

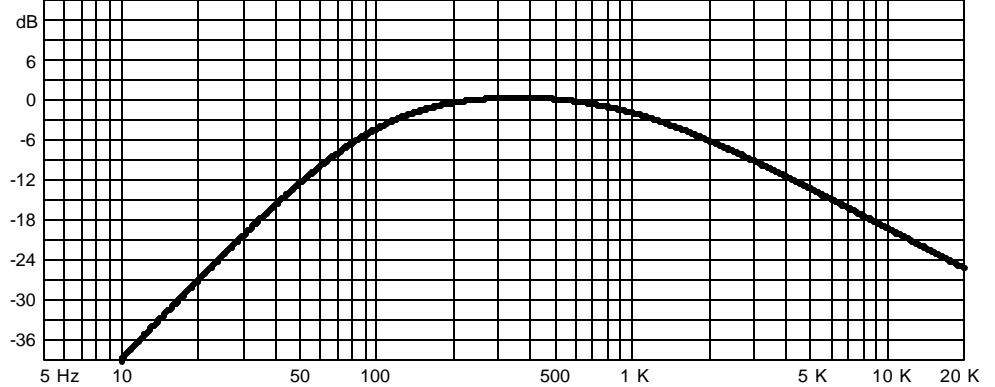
no = 2.824 %

1-W SPL = 96.66 dB

2.83-V SPL = 98.12 dB

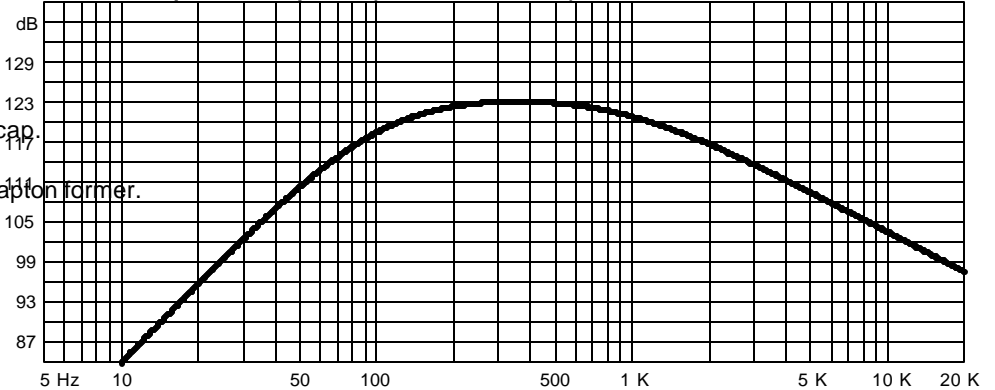
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



Custom Amplitude Response (dB-SPL/Hz at 1 m) with 300 watts

Eminence Designer



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

Eminence Designer

