

Specification

Nominal Basket Diameter	10", 254mm
Nominal Impedance*	8 ohms
Power Rating**	350W
Resonance	66Hz
Usable Frequency Range***	63Hz-3.7kHz
Sensitivity	98.8
Magnet Weight	56 oz.
Gap Height	0.375", 9.53mm
Voice Coil Diameter	2.5", 63.5mm

Thiele & Small Parameters

Resonant Frequency (fs)	66Hz
DC Resistance (Re)	5.42
Coil Inductance (Le)	0.74mH
Mechanical Q (Qms)	6.53
Electromagnetic Q (Qes)	0.35
Total Q (Qts)	0.33
Compliance Equivalent Volume (Vas)	30.5 liters / 1.1 cu.ft.
Peak Diaphragm Displacement Volume (Vd)	121cc
Mechanical Compliance of Suspension (Cms)	0.18mm/N
BL Product (BL)	14.4 T-M
Diaphragm Mass inc. Airload (Mms)	32 grams
Efficiency Bandwidth Product (EBP)	189
Maximum Linear Excursion (Xmax)	3.5mm
Surface Area of Cone (Sd)	344.9 cm ²
Maximum Mechanical Limit (Xlim)	9.4mm

Mounting Information

Recommended Enclosure Volume	
Sealed	
Vented	12.7-37.9 liters/0.45-1.34 cu.ft.
Overall Diameter	10.09", 256.2mm
Baffle Hole Diameter	9.15", 232.4mm
Front Sealing Gasket	fitted as standard
Rear Sealing Gasket	fitted as standard
Mounting Holes Diameter	0.25", 6.4mm
Mounting Holes B.C.D.	9.66", 245.4mm
Depth	4.25", 108mm
Net Weight	10.8 lbs., 4.9 kg
Shipping Weight	12 lbs., 5.4 kg

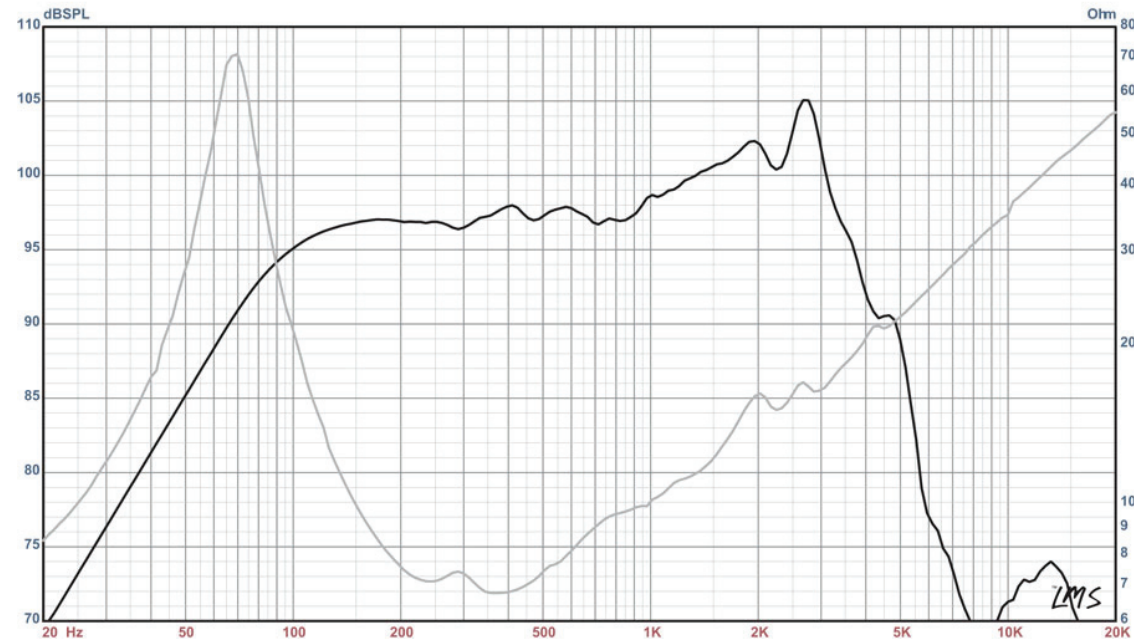
Materials of Construction

Aluminum voice coil
Polyimide former
Ferrite magnet
Vented core
Pressed steel basket
Paper Cone
Cloth cone edge
Solid composition paper dust cap



DELTA-10A American Standard Series

Recommended for professional audio and bass guitar applications as a woofer/mid-bass or mid-range in vented monitors, satellites and multi-way enclosures.



* Please inquire about alternative impedances.

** Multiple units exceed published rating evaluated under EIA 426A noise source and test standard while in a free-air, non-temperature controlled environment.

*** The average output across the usable frequency range when applying 1W/1M into the nominal impedance. ie: 2.83V/8ohms, 4V/16ohms.

Eminence response curves are measured under the following conditions: All speakers are tested at 1w/1m using a variety of test set-ups for the appropriate impedance | LMS using 0.25" supplied microphone (software calibrated) mounted 1m from wall/baffle | 2ft. X 2ft. baffle is built into the wall with the speaker mounted flush against a steel ring for minimum diffraction | Hafler P1500 Trans-Nova amplifier | 2700 cu.ft. chamber with fiberglass on all six surfaces (three with custom-made wedges)

Delta10A Lgr Vented Cab.; Bass Guitar or Low Pwr Two-Way

By McJerry, Eminence Speaker LLC

Displacement Limited to 125 Watts; F3 of 63 Hz. Great for Bass guitar.

Use a steep high pass filter set to 50 Hz or higher to protect woofer.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 1.25 cu.ft

V(total) = 1.34 cu.ft

Fb = 64 Hz

QL = 7

F3 = 87.26 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 3 in

Lv = 4.172 in

Driver Properties

--Description--

Name: Delta-10 (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 = 66 Hz

Qms = 6.53

Vas = 30.5 liters

Cms = 0.18 mm/N

Mms = 32 g

Rms = 2.04 kg/s

Xmax = 3.5 mm

Xmech = 9.4 mm

P-Dia = 209.7 mm

Sd = 344.9 sq.cm

P-Vd = 0.121 liters

--Electrical Parameters--

Qes = 0.35

Re = 5.42 ohms

Le = 0.74 mH

Z = 8 ohms

BL = 14.4 Tm

Pe = 350 watts

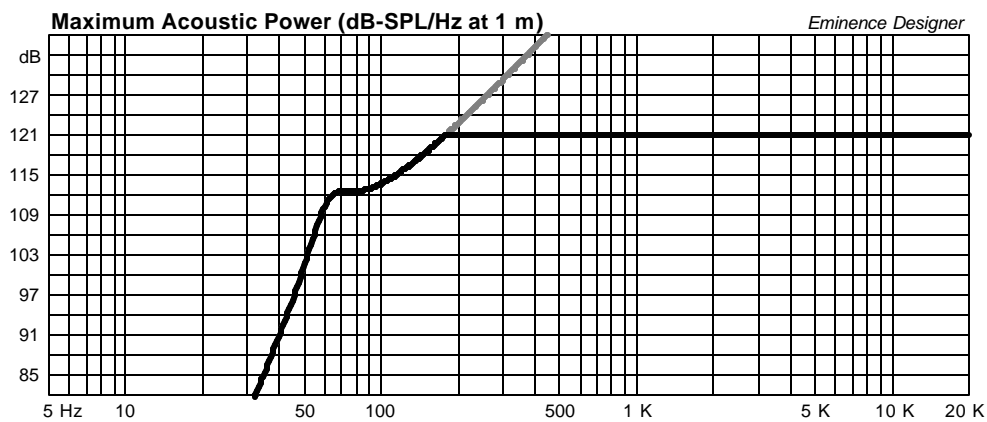
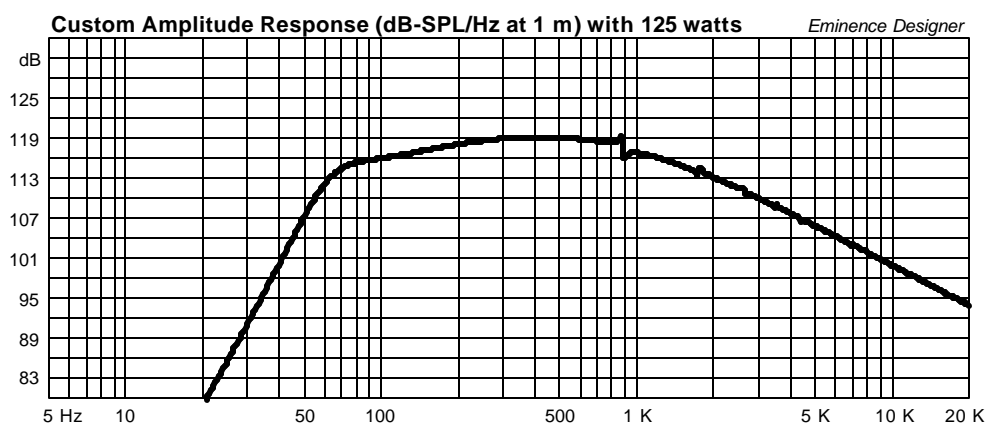
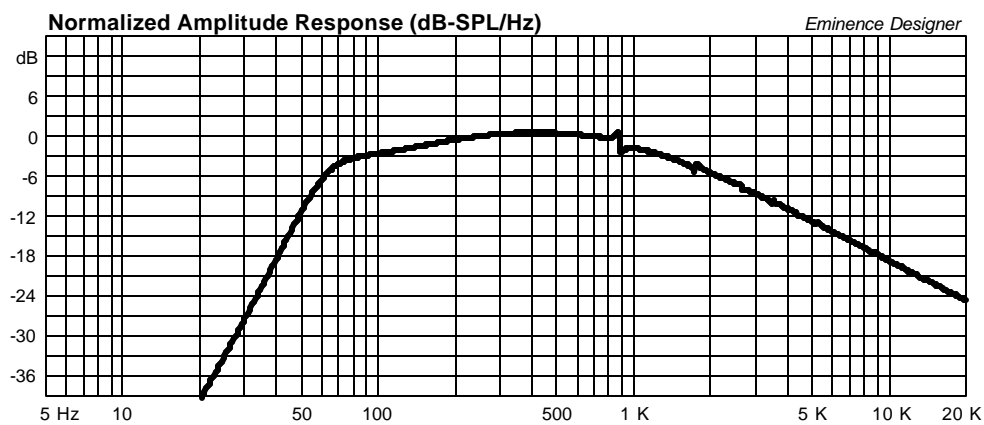
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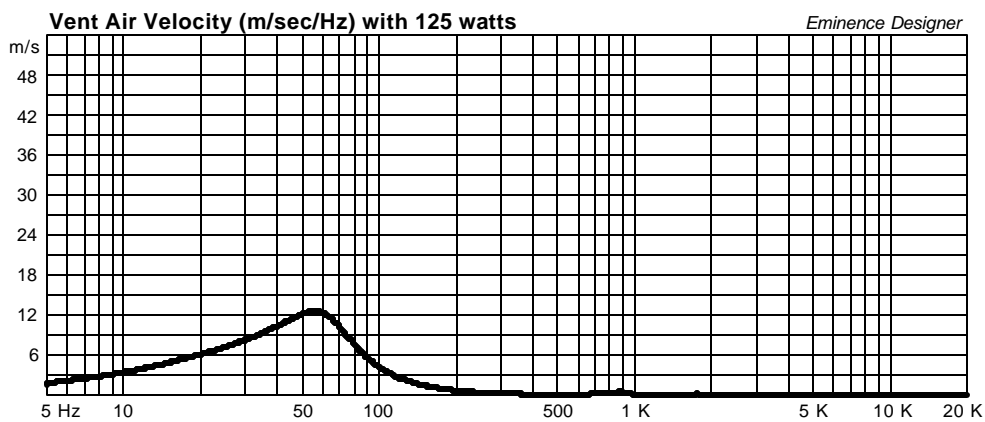
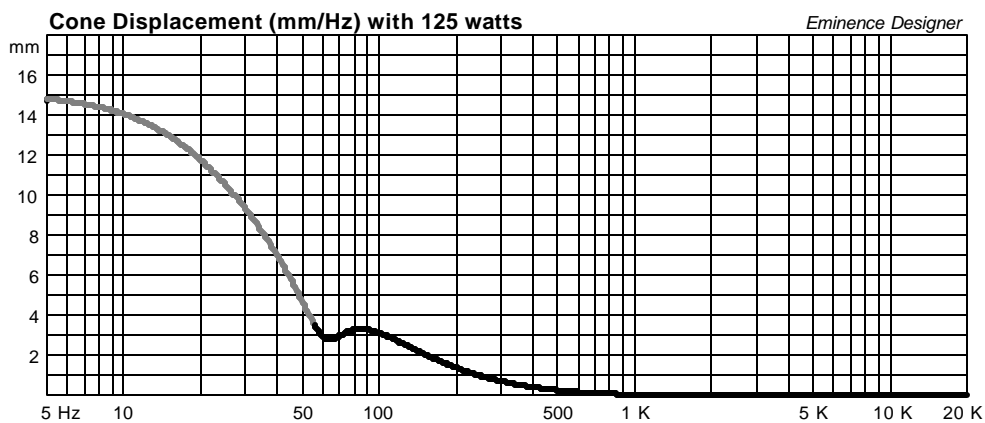
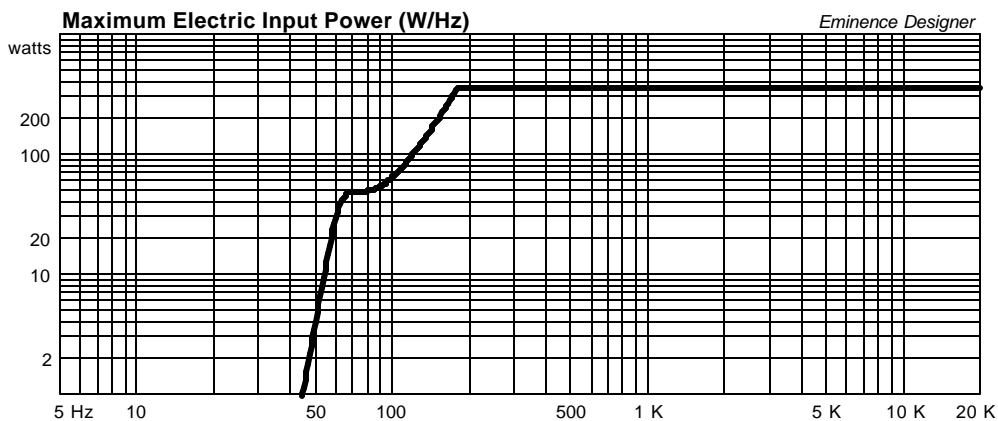
Qts = 0.33

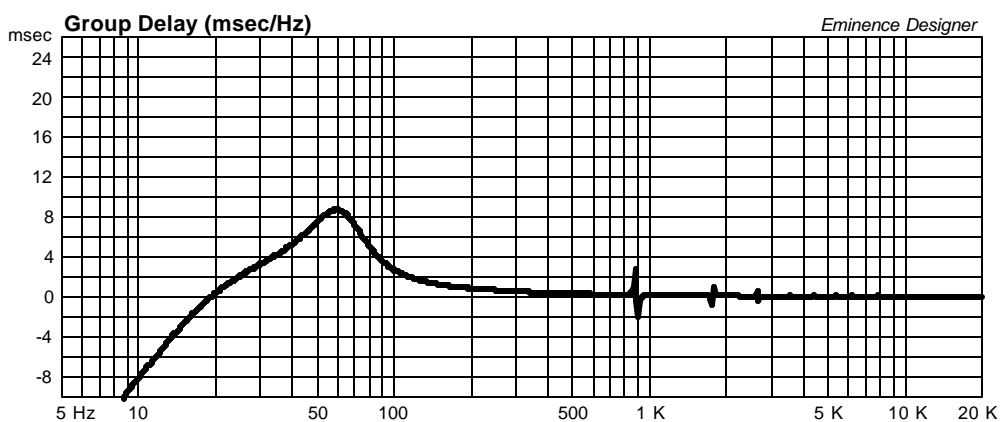
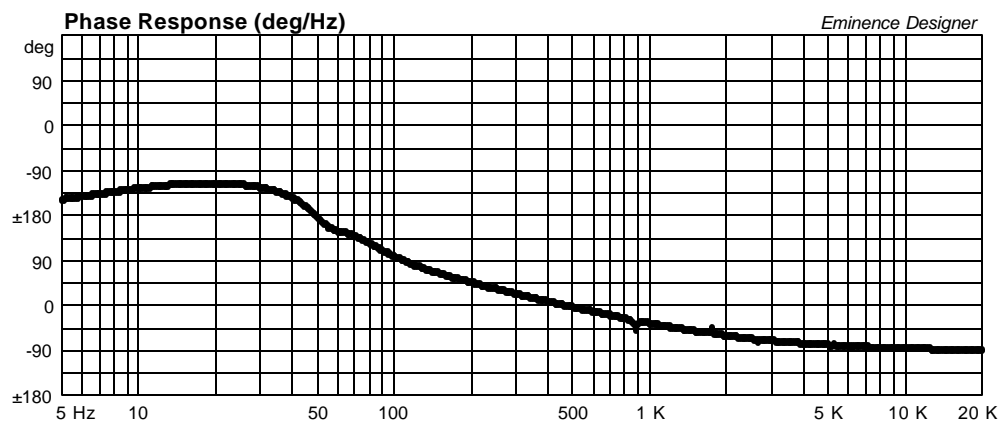
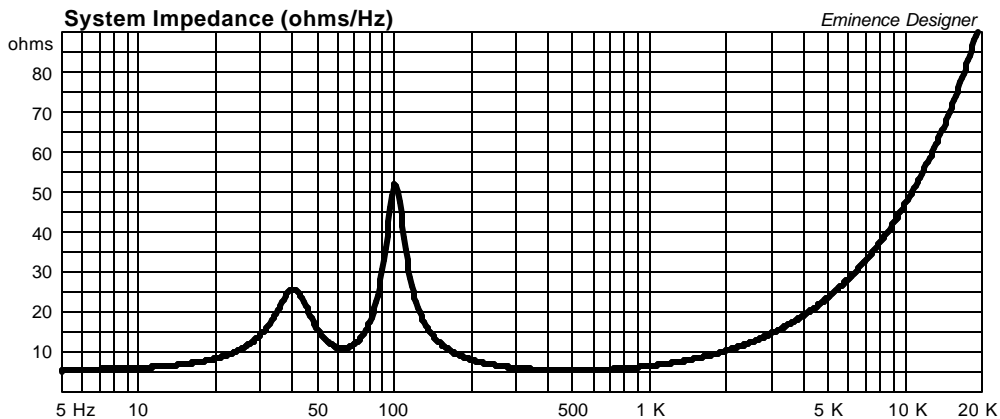
no = 2.416 %

1-W SPL = 95.98 dB

2.83-V SPL = 97.67 dB







Delta10A Med Vented Cab.; Two Way Sat or Floor Wedge

By McJerry, Eminence Speaker LLC

Displacement Limited to 225 Watts; use with a steep high pass filter set to 90 Hz or higher.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 0.85 cu.ft

V(total) = 0.925 cu.ft

Fb = 87 Hz

QL = 7

F3 = 79.2 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 3 in

Lv = 2.592 in

Driver Properties

--Description--

Name: Delta-10 (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 = 66 Hz

Qms = 6.53

Vas = 30.5 liters

Cms = 0.18 mm/N

Mms = 32 g

Rms = 2.04 kg/s

Xmax = 3.5 mm

Xmech = 9.4 mm

P-Dia = 209.7 mm

Sd = 344.9 sq.cm

P-Vd = 0.121 liters

--Electrical Parameters--

Qes = 0.35

Re = 5.42 ohms

Le = 0.74 mH

Z = 8 ohms

BL = 14.4 Tm

Pe = 350 watts

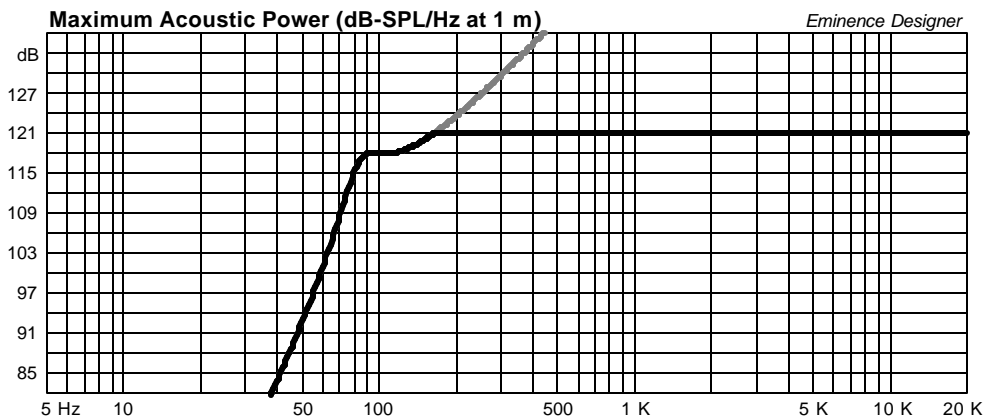
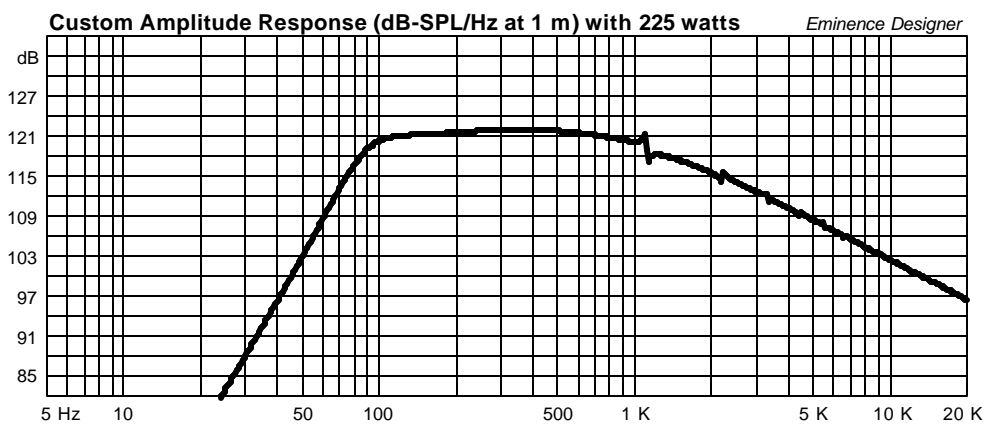
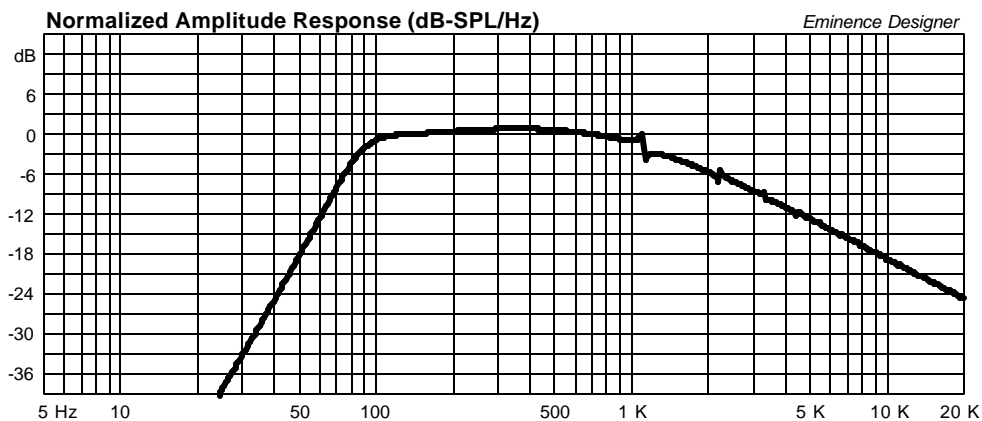
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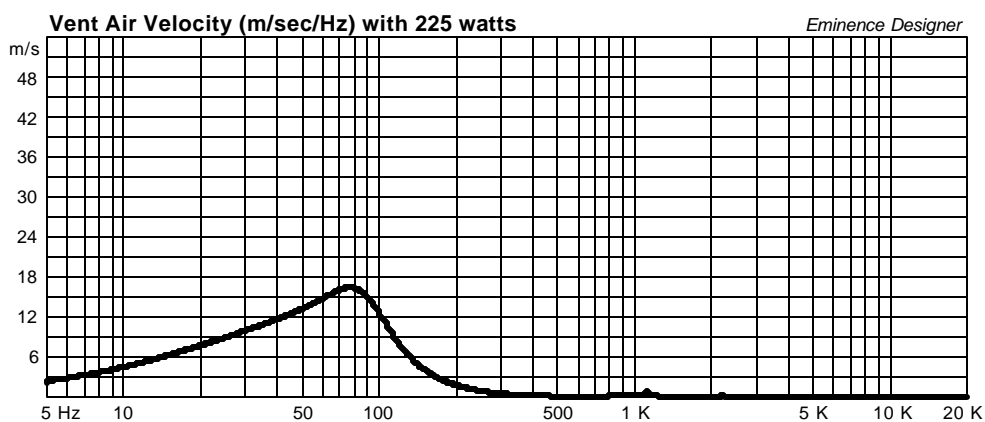
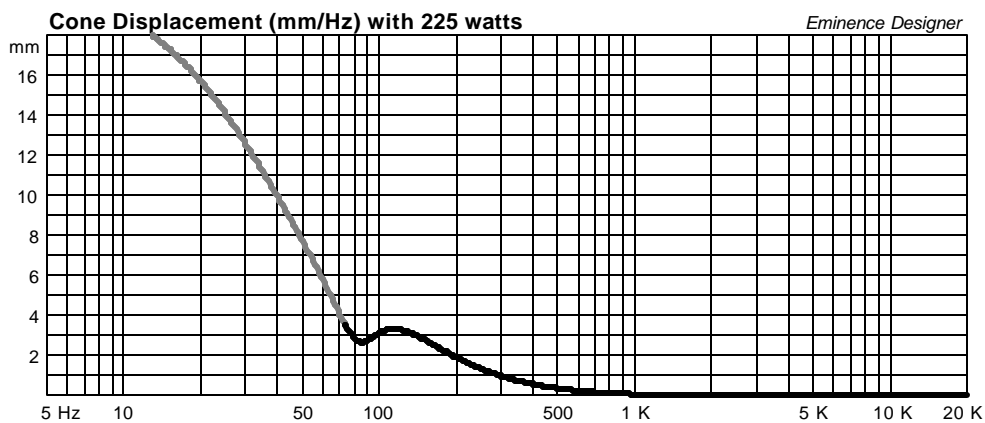
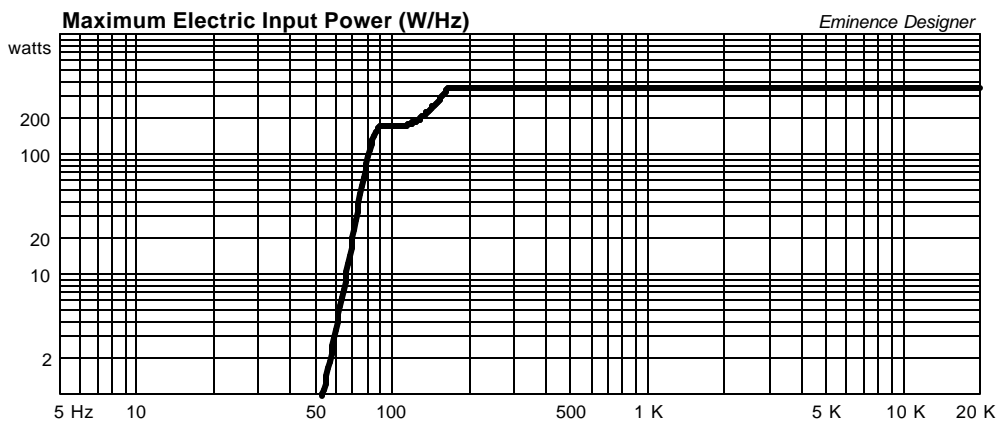
Qts = 0.33

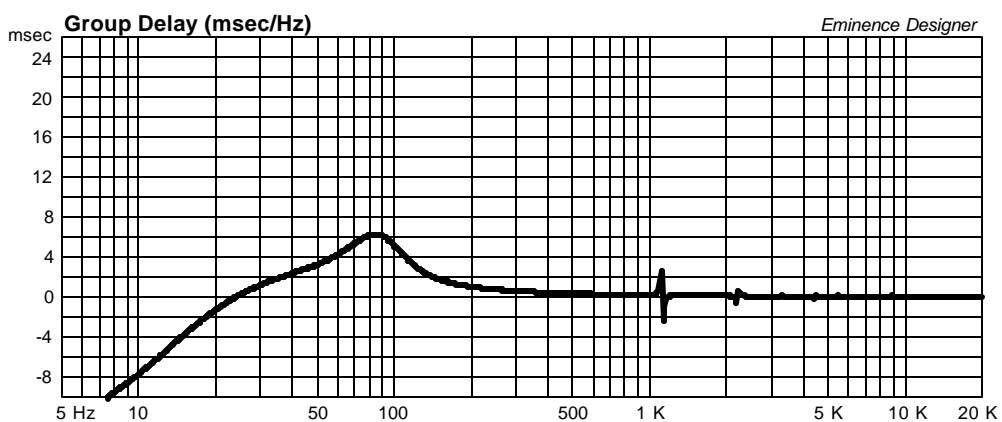
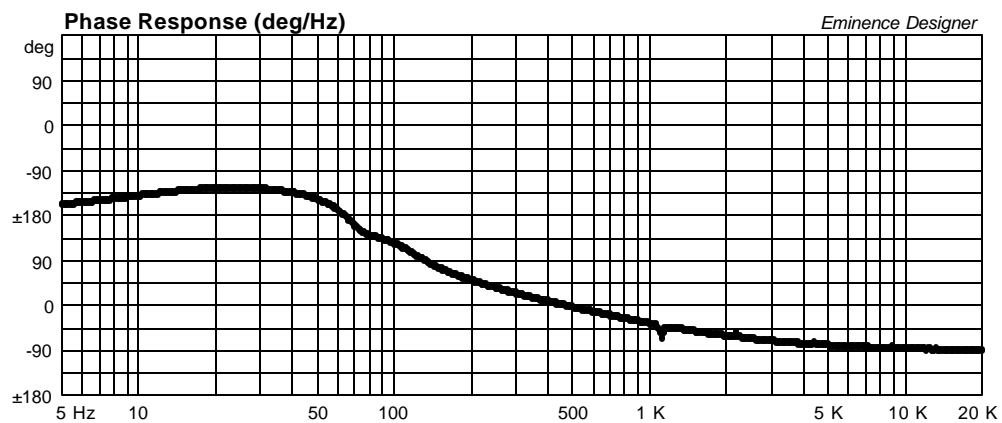
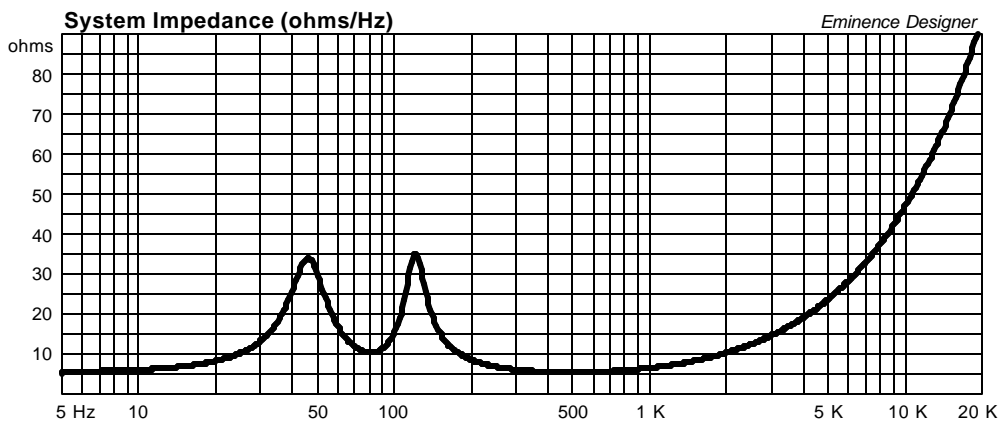
no = 2.416 %

1-W SPL = 95.98 dB

2.83-V SPL = 97.67 dB







Delta10A Small Vented Cab.; Sat or Vocal Monitor Cabinet

By McJerry, Eminence Speaker LLC

Thermally Limited to 350 Watts; must use a steep high pass filter set to 125 Hz or higher.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 0.36 cu.ft

V(total) = 0.425 cu.ft

Fb = 95 Hz

QL = 7

F3 = 103.6 Hz

Fill = minimal

--Vents--

No. of Vents = 1

Vent shape = round

Vent ends = one flush

Dv = 3 in

Lv = 3.098 in

Driver Properties

--Description--

Name: Delta-10 (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 = 66 Hz

Qms = 6.53

Vas = 30.5 liters

Cms = 0.18 mm/N

Mms = 32 g

Rms = 2.04 kg/s

Xmax = 3.5 mm

Xmech = 9.4 mm

P-Dia = 209.7 mm

Sd = 344.9 sq.cm

P-Vd = 0.121 liters

--Electrical Parameters--

Qes = 0.35

Re = 5.42 ohms

Le = 0.74 mH

Z = 8 ohms

BL = 14.4 Tm

Pe = 350 watts

--Electromech. Parameters--

Qts = 0.33

no = 2.416 %

1-W SPL = 95.98 dB

2.83-V SPL = 97.67 dB

