

## Specification

Nominal Basket Diameter	15", 381mm
Nominal Impedance*	8 ohms
Power Rating**	
Watts	300W
Music Program	600W
Resonance	33Hz
Usable Frequency Range***	48Hz-3.3kHz
Sensitivity	98.6
Magnet Weight	59 oz
Gap Height	0.312", 7.92mm
Voice Coil Diameter	2", 50.8mm

## Thiele & Small Parameters

Resonant Frequency (fs)	33Hz
DC Resistance (Re)	5.98
Coil Inductance (Le)	1.73mH
Mechanical Q (Qms)	5.13
Electromagnetic Q (Qes)	0.32
Total Q (Qts)	0.30
Compliance Equivalent Volume (Vas)	314.1 ltr/11.1 cu. ft.
Peak Diaphragm Displacement Volume (Vd)	257cc
Mechanical Compliance of Suspension (Cms)	0.31mm/N
BL Product (BL)	17.2 T-M
Diaphragm Mass inc. Airload (Mms)	78 grams
Efficiency Bandwidth Product (EBP)	103
Maximum Linear Excursion (Xmax)	3.0mm
Surface Area of Cone (Sd)	856.3cm <sup>2</sup>
Maximum Mechanical Limit (Xlim)	11.8mm

## Mounting Information

Recommended Enclosure Volume	
Sealed	N/A
Vented	40-136 ltr/1.4-4.8 cu. ft.
Overall Diameter	15.15", 384.8mm
Baffle Hole Diameter	13.77", 349.6mm
Front Sealing Gasket	Fitted as Standard
Rear Sealing Gasket	Fitted as Standard
Mounting Holes Diameter	0.25", 6.4mm
Mounting Holes B.C.D.	14.56", 369.9mm
Depth	5.94", 151mm
Net Weight	11.8 lbs, 5.4 kg
Shipping Weight	14.1 lbs, 6.4 kg

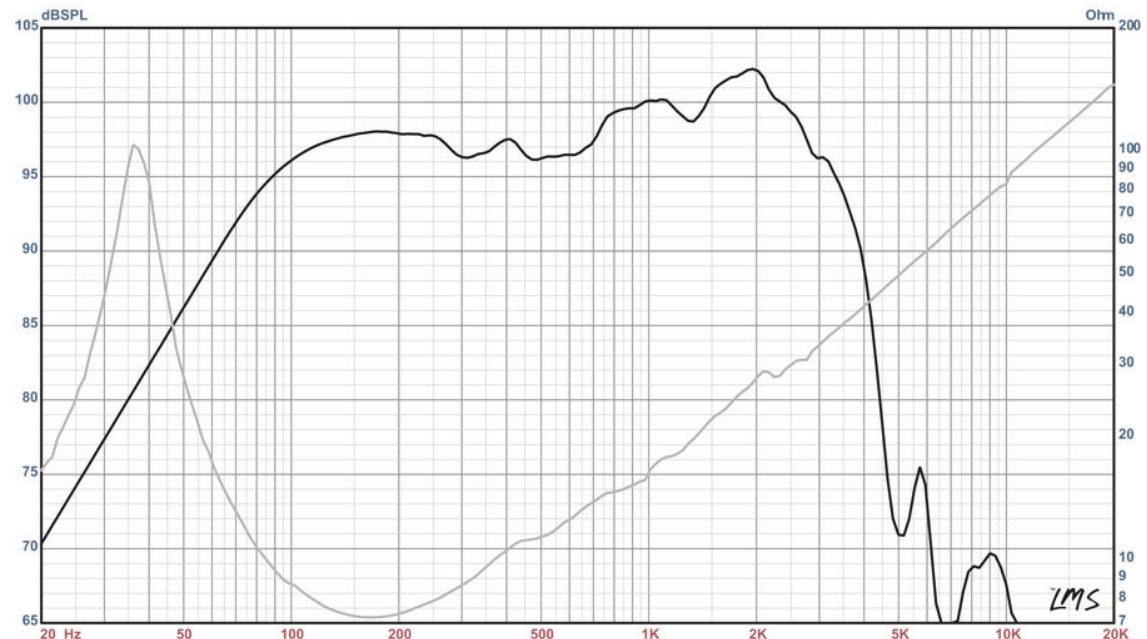
## Materials of Construction

Coil Construction	Aluminum
Coil	Polyimide
Magnet Composition	Ferrite
Core Details	Vented
Basket Materials	Pressed Steel
Cone Composition	Paper
Cone Edge Composition	Cloth
Dust Cap Composition	Solid Composition Paper



## GAMMA 15A-2 American Standard Series

Recommended for vented professional audio enclosures as a mid/hi or full-range and monitor; also for bass guitar.



\* Please inquire about alternative impedances.

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

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

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 | 2 ft. X 2 ft. 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)

# Gamma15-2 Small Vented Cabinet, Med Pwr Floor Wedge or Sat

By McJerry, Eminence Speaker LLC

Thermally Limited to 300 Watts; use a steep high pass filter set to 100 Hz or higher.

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## Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 1.267 cu.ft

V(total) = 1.414 cu.ft

Fb = 70 Hz

QL = 7

F3 = 84.9 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 3 in

Lv = 2.817 in

## Driver Properties

--Description--

Name: Gamma-15

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised NOV 2005

Piston: Ribbed 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: 42 oz ferrite magnet.

--Configuration--

**No. of Drivers = 1**

--Mechanical Parameters--

Fs = 33 Hz

Qms = 5.13

Vas = 314.1 liters

Cms = 0.305 mm/N

Mms = 77.5 g

Rms = 3.11 kg/s

Xmax = 3 mm

Xmech = 11.8 mm

P-Dia = 329.3 mm

Sd = 856.3 sq.cm

P-Vd = 0.258 liters

--Electrical Parameters--

Qes = 0.32

Re = 5.98 ohms

Le = 1.73 mH

Z = 8 ohms

BL = 17.2 Tm

Pe = 300 watts

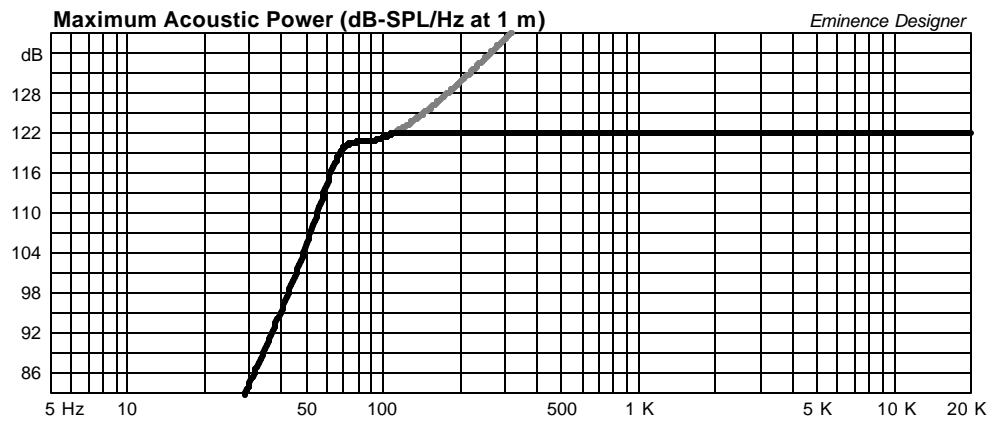
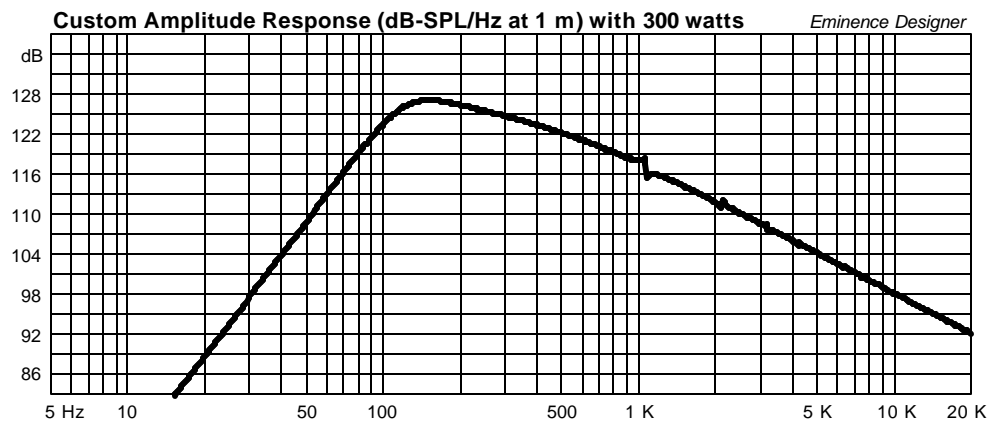
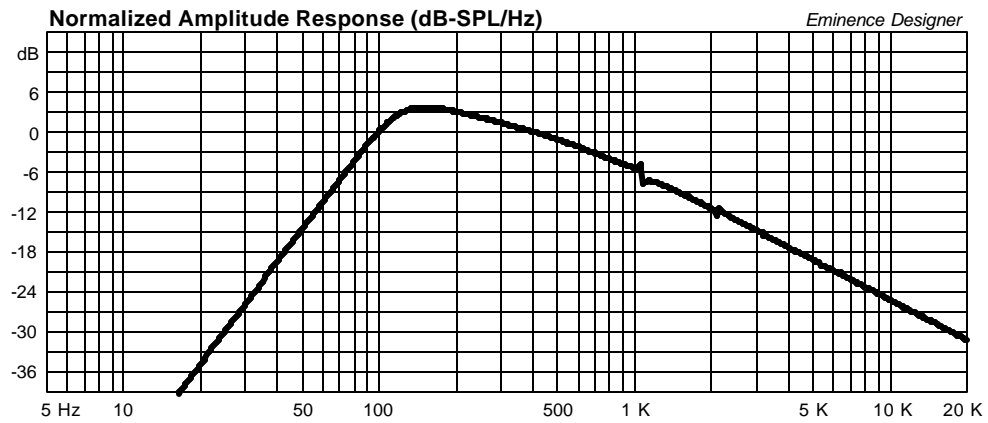
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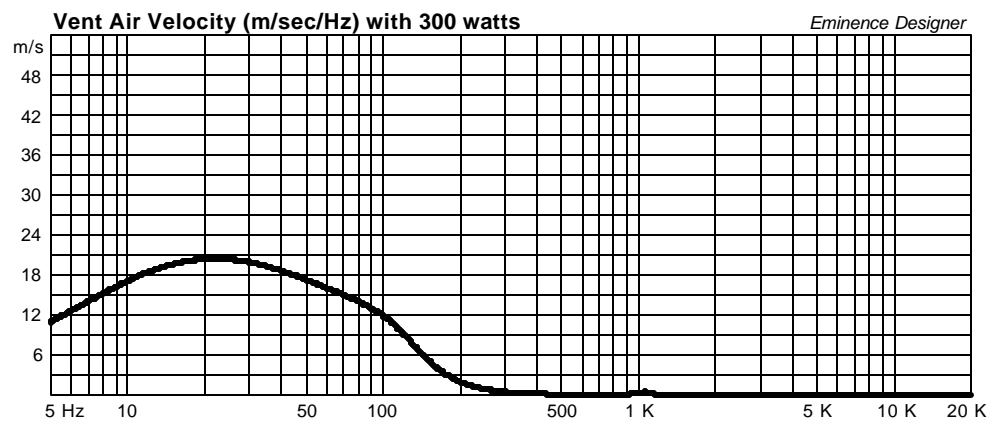
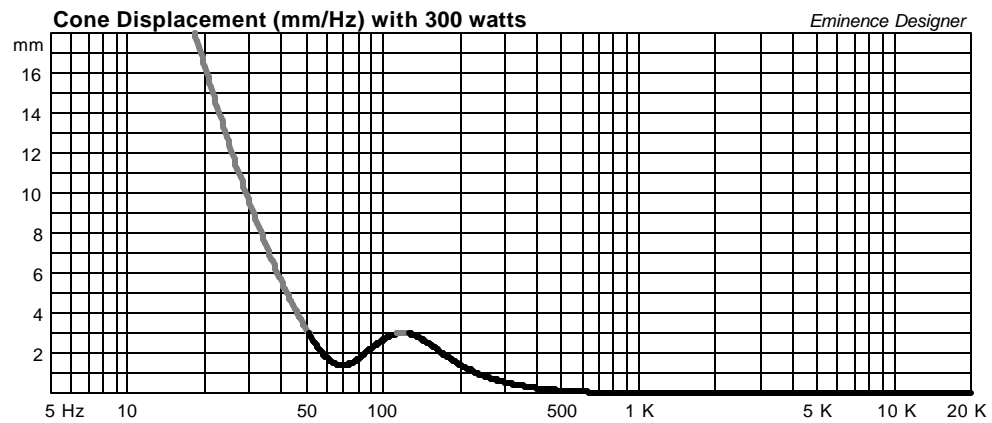
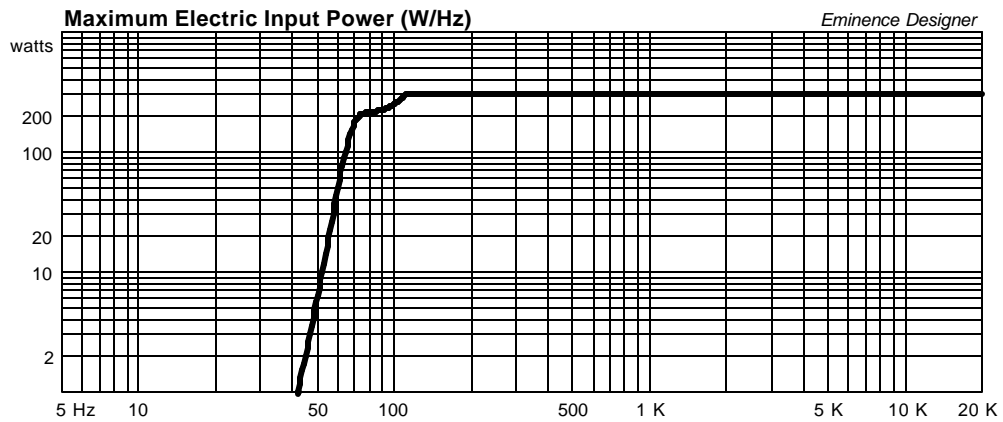
Qts = 0.3

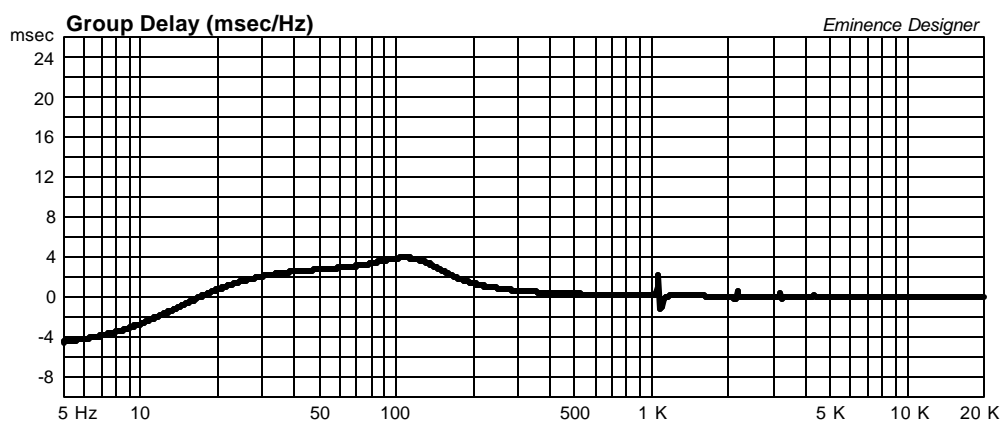
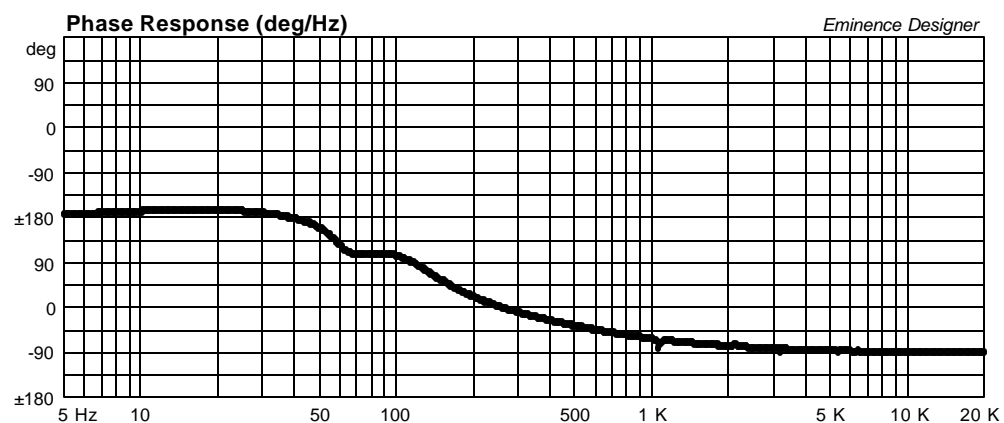
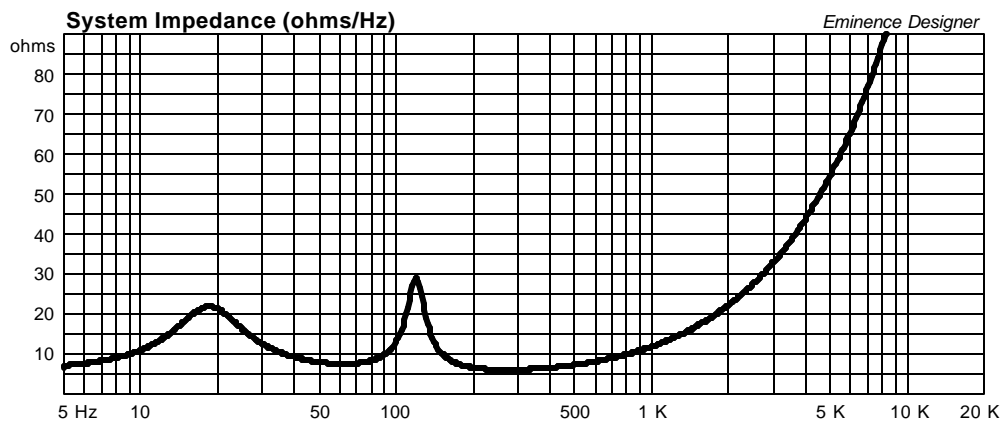
no = 3.401 %

1-W SPL = 97.46 dB

2.83-V SPL = 98.73 dB







# Gamma15-2 Med Vented Cab; Bass Guitar or Full Range PA

By McJerry, Eminence Speaker LLC

Displacement Limited to 150 Watts; for best results, use a high pass filter set to 45 Hz to protect the woofer from over-excursion.

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## Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 3.2 cu.ft

V(total) = 3.329 cu.ft

Fb = 56 Hz

QL = 7

F3 = 64.61 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 3.238 in

Lv = 0.75 in

## Driver Properties

--Description--

Name: Gamma-15

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised NOV 2005

Piston: Ribbed 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: 42 oz ferrite magnet.

--Configuration--

**No. of Drivers = 1**

--Mechanical Parameters--

Fs = 33 Hz

Qms = 5.13

Vas = 314.1 liters

Cms = 0.305 mm/N

Mms = 77.5 g

Rms = 3.11 kg/s

Xmax = 3 mm

Xmech = 11.8 mm

P-Dia = 329.3 mm

Sd = 856.3 sq.cm

P-Vd = 0.258 liters

--Electrical Parameters--

Qes = 0.32

Re = 5.98 ohms

Le = 1.73 mH

Z = 8 ohms

BL = 17.2 Tm

Pe = 300 watts

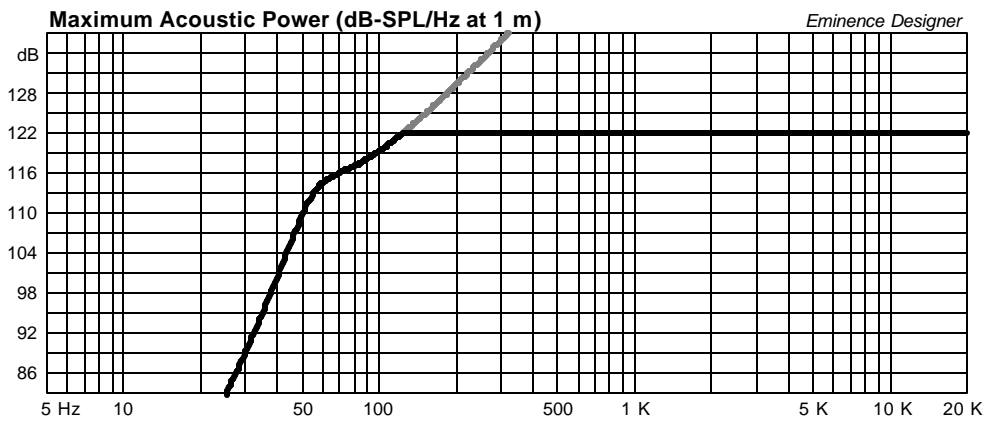
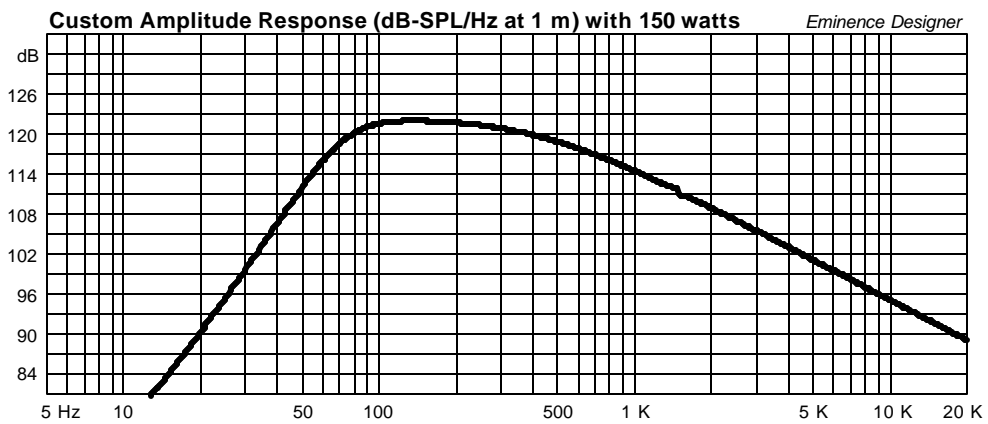
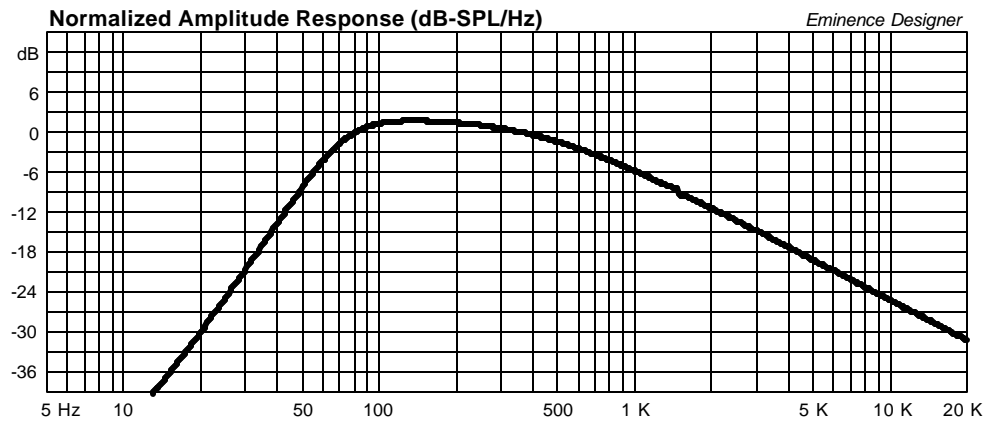
--Electromech. Parameters--

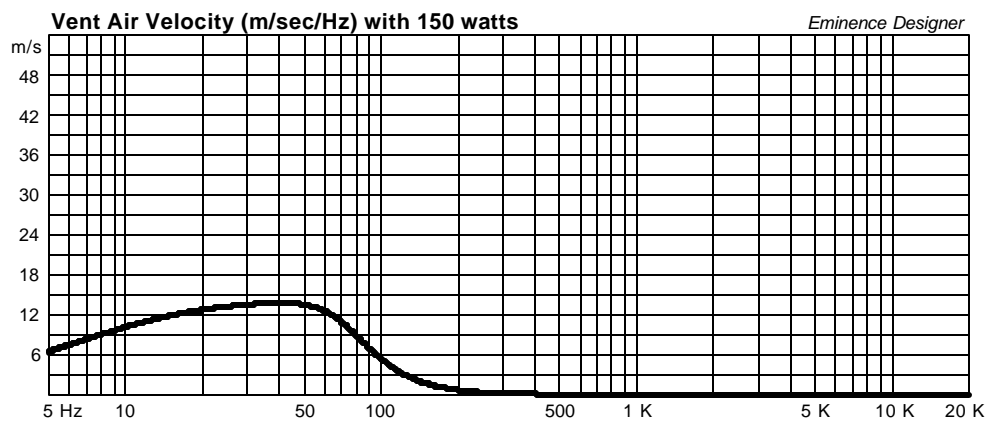
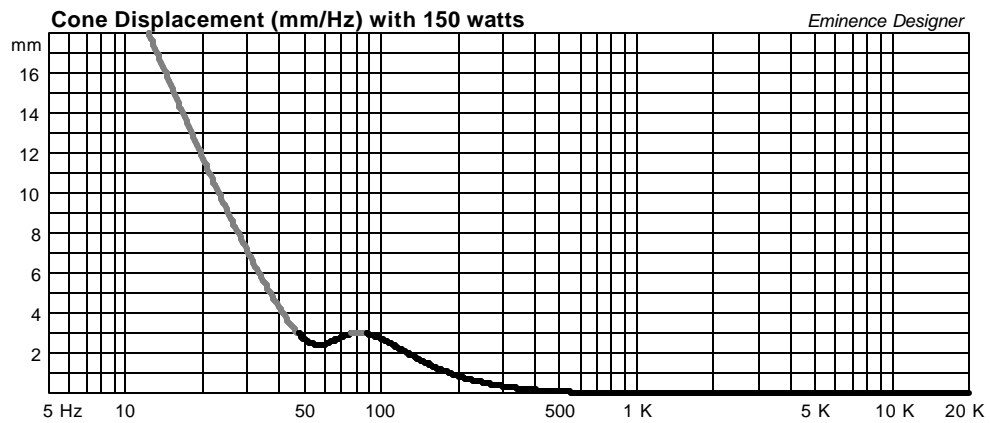
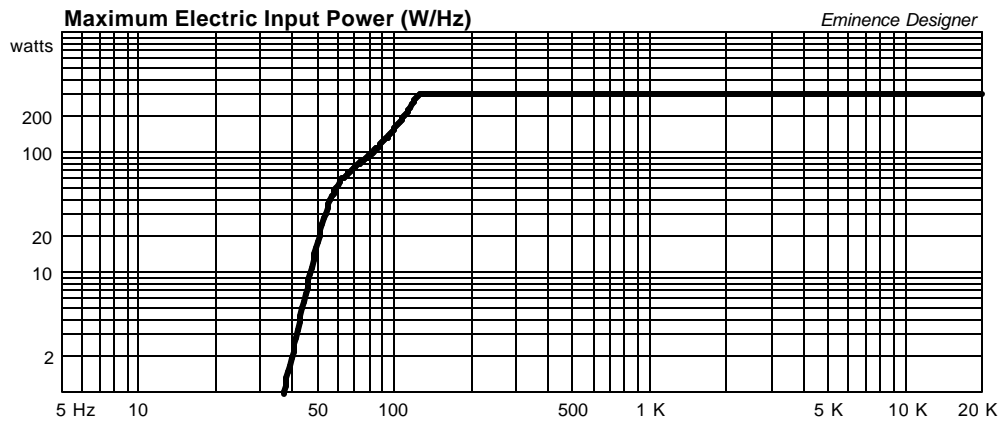
Qts = 0.3

no = 3.401 %

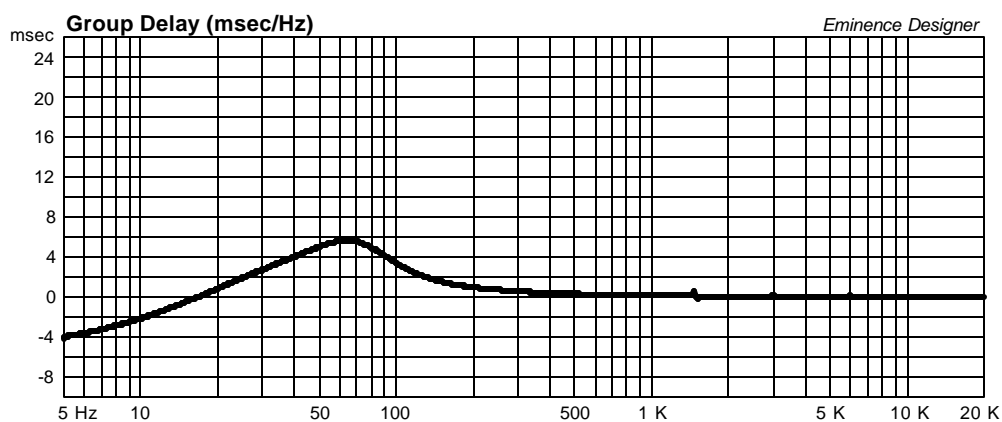
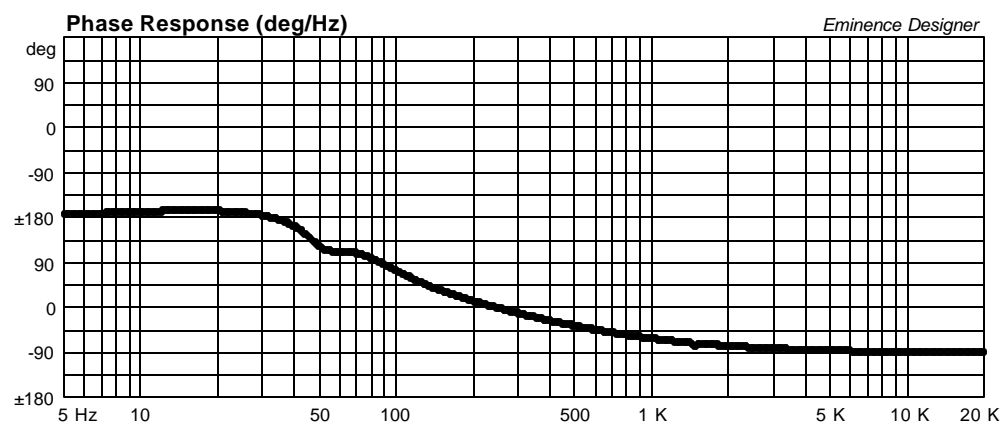
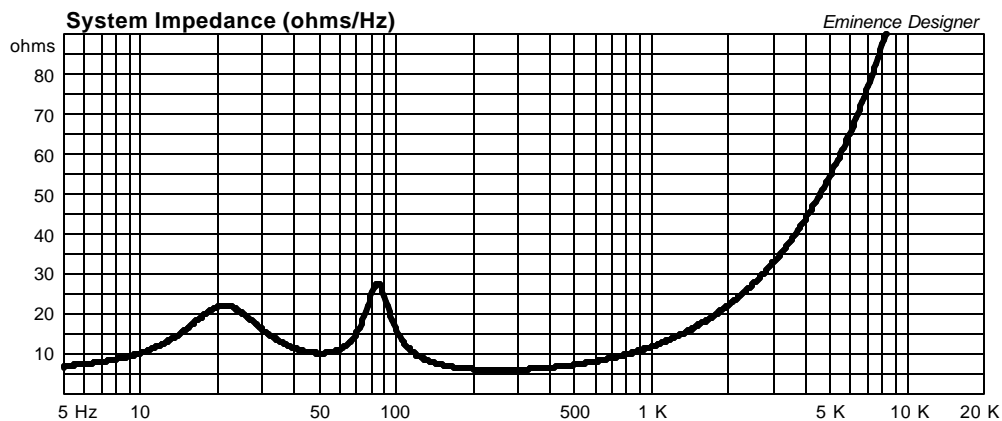
1-W SPL = 97.46 dB

2.83-V SPL = 98.73 dB









# Gamma15-2 Larger Vented Cab. Lower Power, Low FS

By McJerry, Eminence Speaker LLC

Displacement Limited to 100 Watts; use a high pass filter set to 40 Hz or higher.

Great for Bass Guitar or Full Range PA two way cabinet.

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## Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 4.7 cu.ft

V(total) = 4.831 cu.ft

Fb = 49 Hz

QL = 7

F3 = 57.85 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 3.584 in

Lv = 0.75 in

## Driver Properties

--Description--

Name: Gamma-15

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised NOV 2005

Piston: Ribbed 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: 42 oz ferrite magnet.

--Configuration--

**No. of Drivers = 1**

--Mechanical Parameters--

Fs = 33 Hz

Qms = 5.13

Vas = 314.1 liters

Cms = 0.305 mm/N

Mms = 77.5 g

Rms = 3.11 kg/s

Xmax = 3 mm

Xmech = 11.8 mm

P-Dia = 329.3 mm

Sd = 856.3 sq.cm

P-Vd = 0.258 liters

--Electrical Parameters--

Qes = 0.32

Re = 5.98 ohms

Le = 1.73 mH

Z = 8 ohms

BL = 17.2 Tm

Pe = 300 watts

--Electromech. Parameters--

Qts = 0.3

no = 3.401 %

1-W SPL = 97.46 dB

2.83-V SPL = 98.73 dB

