

KappaPro15A, Small Vented Box, For Mid/High use only.

By McJerry, Eminence Speaker LLC

Displacement limited to 300 watts if run down to 100 Hz. Displacement and thermally limited to 500 watts if run down to only 180 Hz. Will require some EQ to flatten out hump at 120 Hz.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 1.8 cu.ft

V(total) = 1.951 cu.ft

Fb = 85 Hz

QL = 7

F3 = 83.53 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 4.058 in

Lv = 0.75 in

Driver Properties

--Description--

Name: Kappa Pro-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: Diecast aluminum basket.

Voice Coil: 3 inch (76.2 mm) AL Wire Kapton former.

Magnet: 80 oz ferrite magnet.

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 47 Hz

Qms = 8.01

Vas = 167.7 liters

Cms = 0.16 mm/N

Mms = 72 g

Rms = 2.62 kg/s

Xmax = 3.2 mm

Xmech = 13.21 mm

P-Dia = 330.7 mm

Sd = 856.3 sq.cm

P-Vd = 0.272 liters

--Electrical Parameters--

Qes = 0.4

Re = 5.23 ohms

Le = 1.01 mH

Z = 8 ohms

BL = 16.6 Tm

Pe = 500 watts

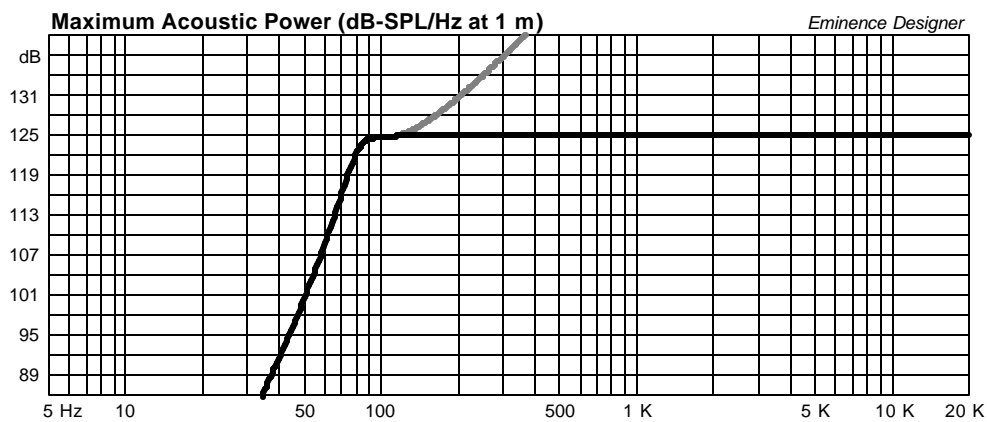
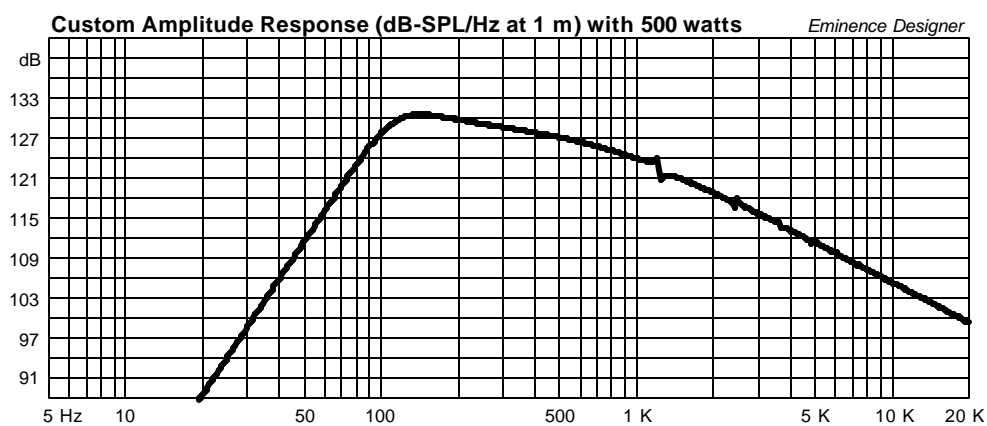
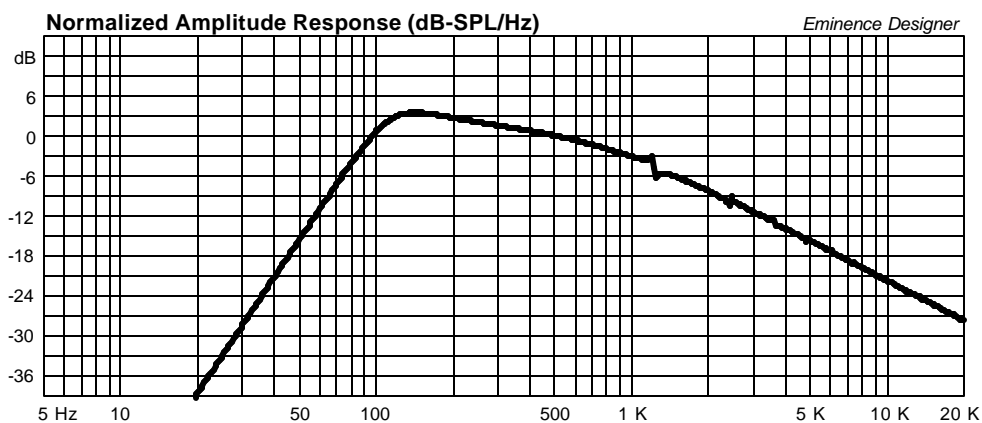
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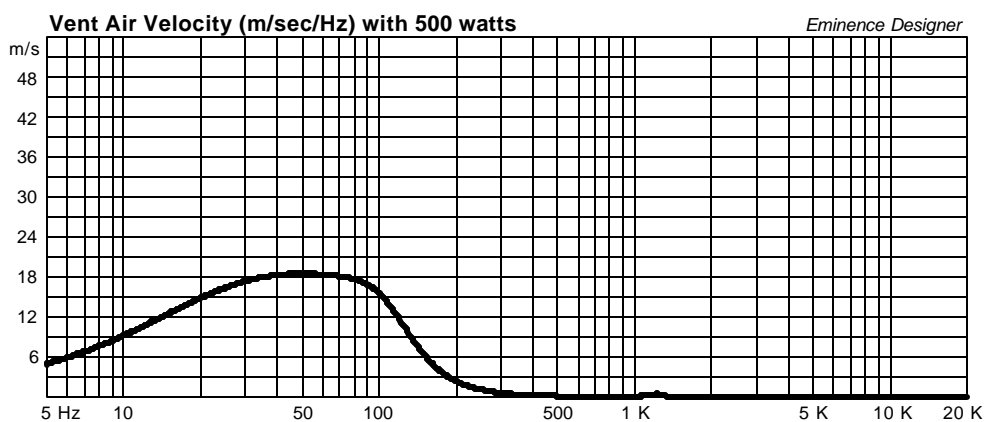
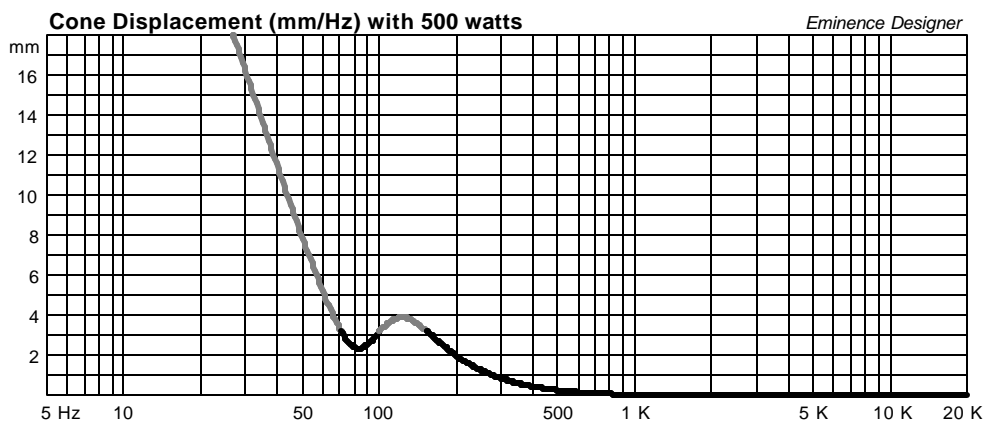
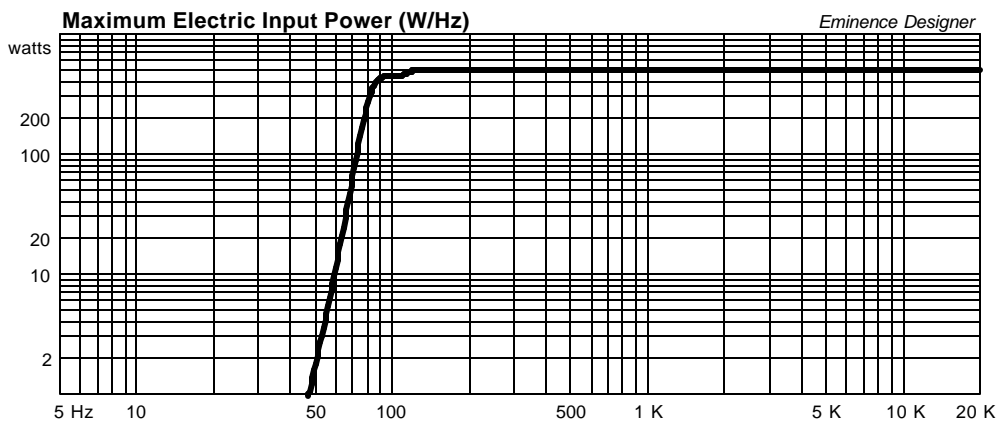
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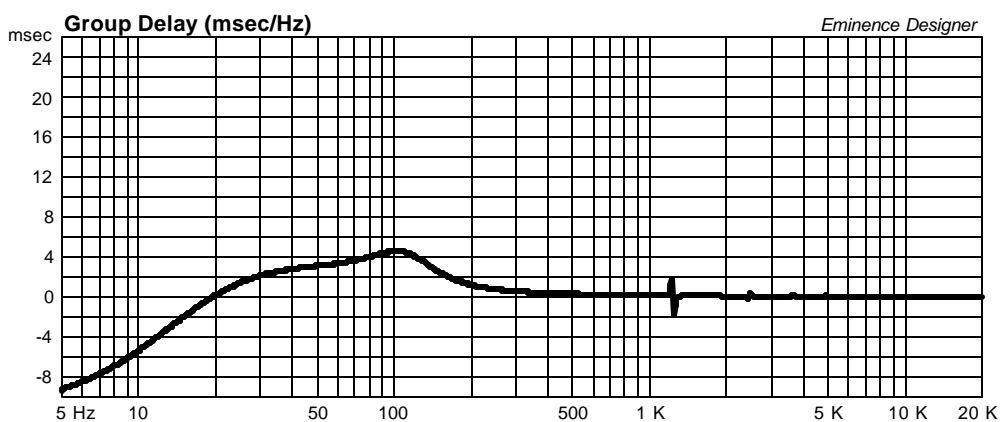
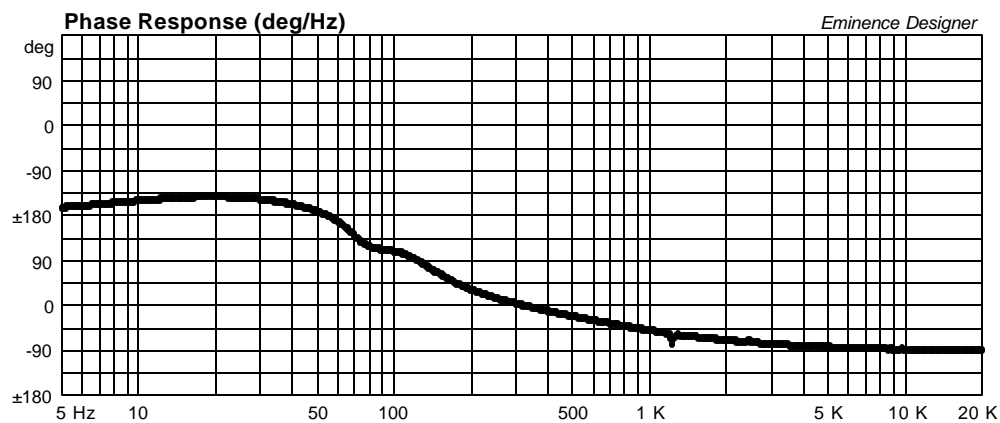
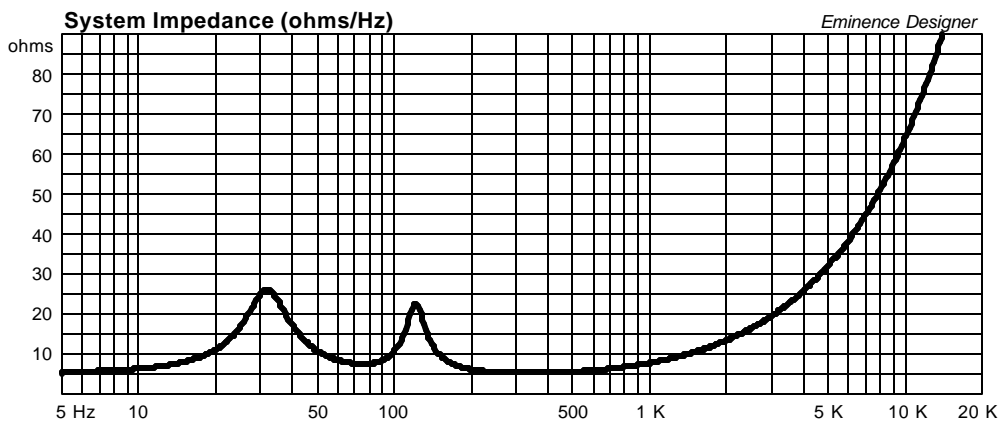
no = 4.197 %

1-W SPL = 98.38 dB

2.83-V SPL = 100.2 dB







KappaPro15A Med Vented Box, Pwr Handling Varies With Use

By McJerry, Eminence Speaker LLC

Displacement limited to 125 watts if run down to 65 Hz. Displacement limited to 400 watts if only run down to 180 Hz.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 3.4 cu.ft

V(total) = 3.596 cu.ft

Fb = 50 Hz

QL = 7

F3 = 65.35 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 3.531 in

Driver Properties

--Description--

Name: Kappa Pro-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: Diecast aluminum basket.

Voice Coil: 3 inch (76.2 mm) AL Wire Kapton former.

Magnet: 80 oz ferrite magnet.

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 47 Hz

Qms = 8.01

Vas = 167.7 liters

Cms = 0.16 mm/N

Mms = 72 g

Rms = 2.62 kg/s

Xmax = 3.2 mm

Xmech = 13.21 mm

P-Dia = 330.7 mm

Sd = 856.3 sq.cm

P-Vd = 0.272 liters

--Electrical Parameters--

Qes = 0.4

Re = 5.23 ohms

Le = 1.01 mH

Z = 8 ohms

BL = 16.6 Tm

Pe = 500 watts

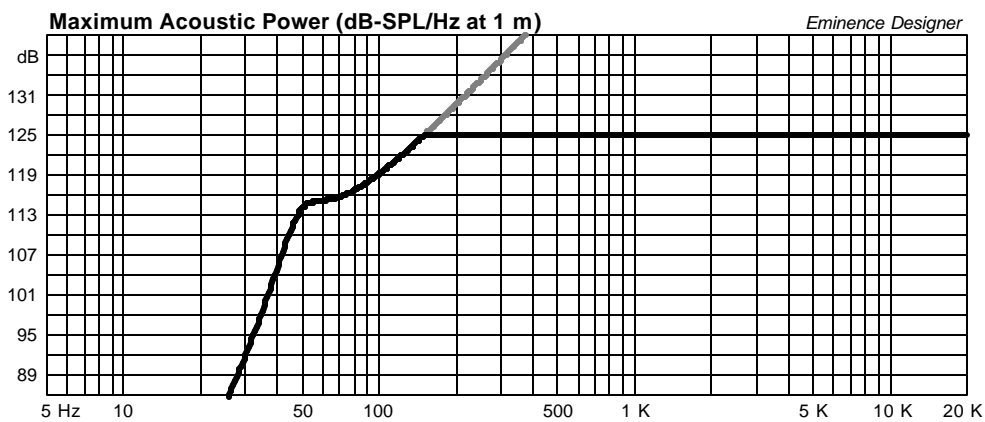
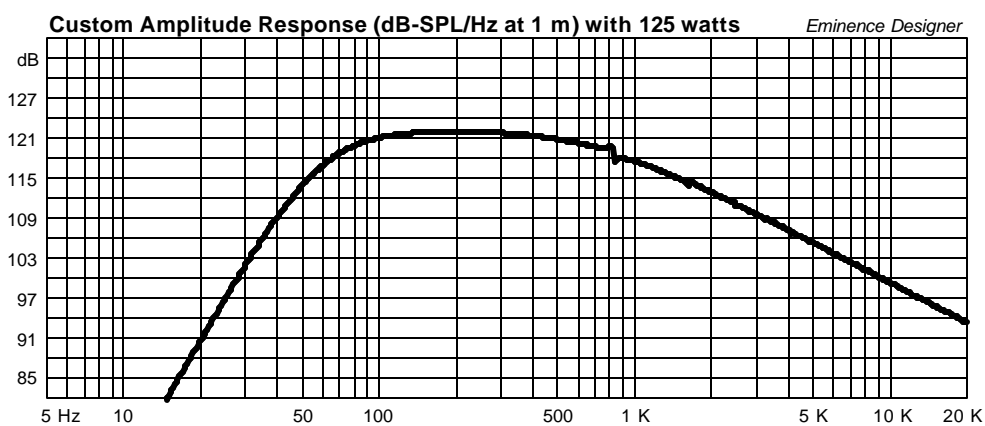
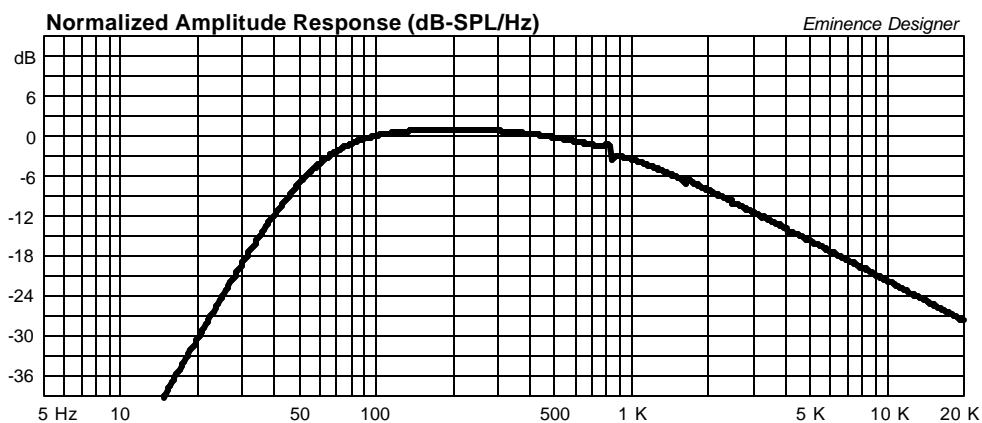
--Electromech. Parameters--

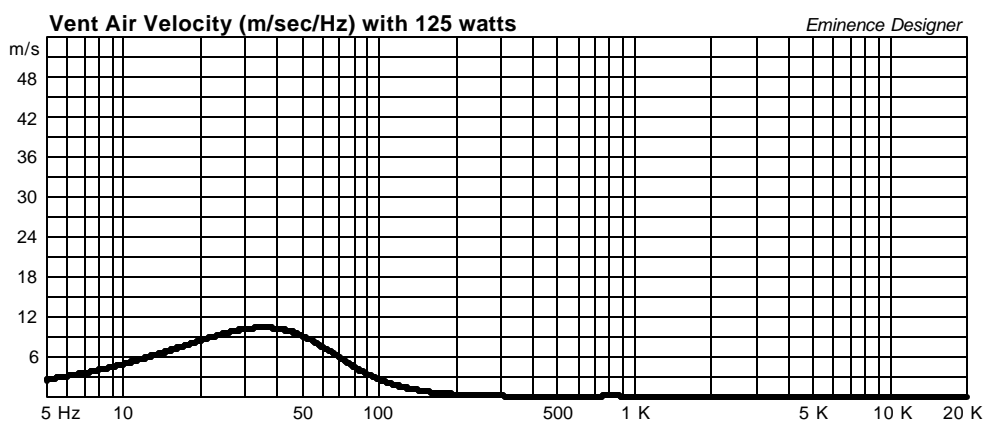
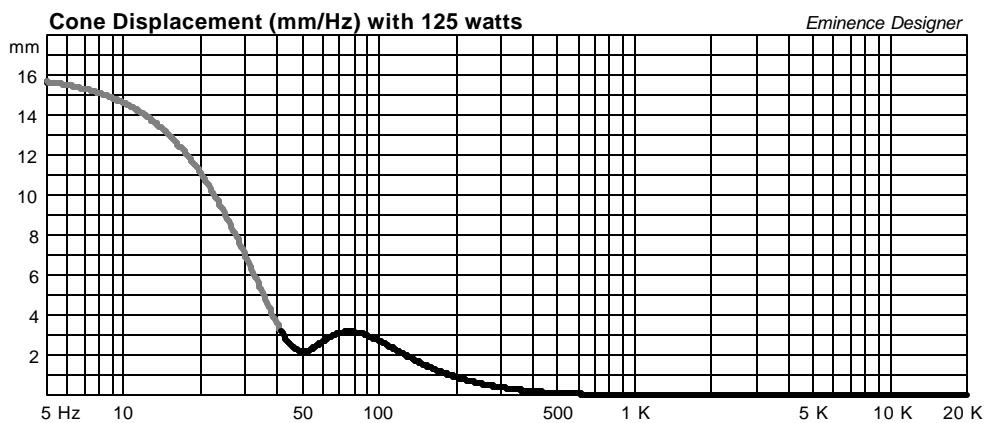
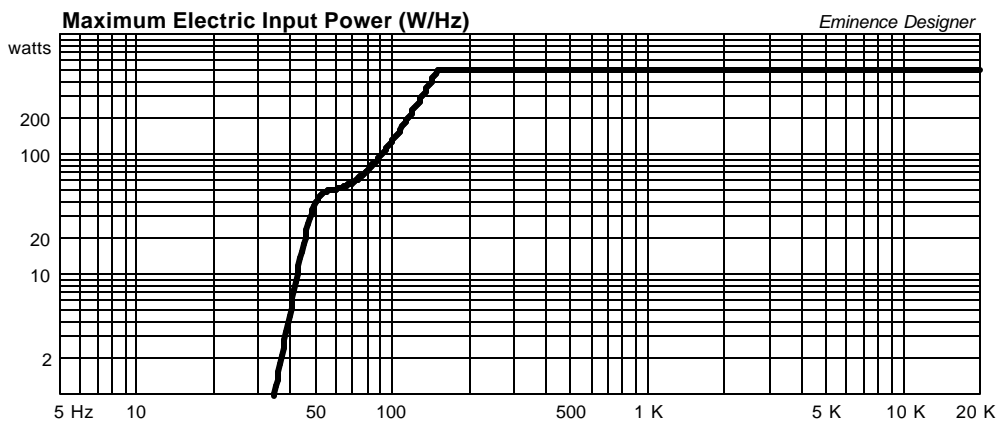
Qts = 0.38

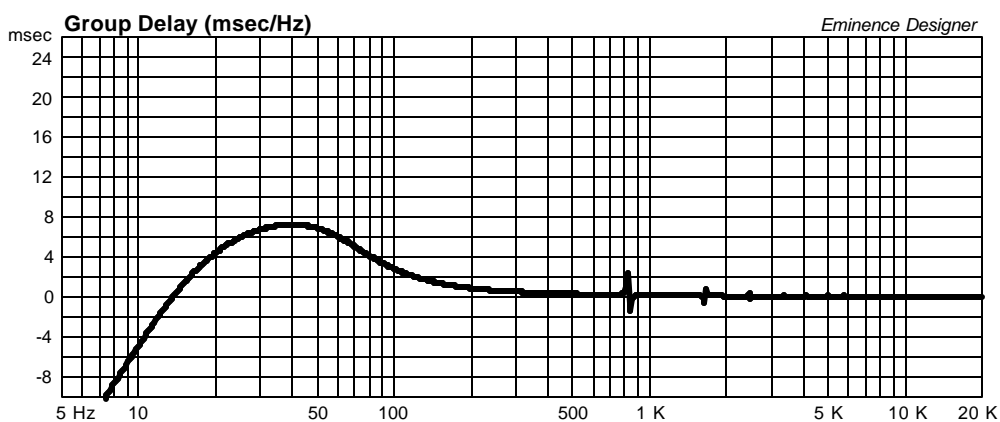
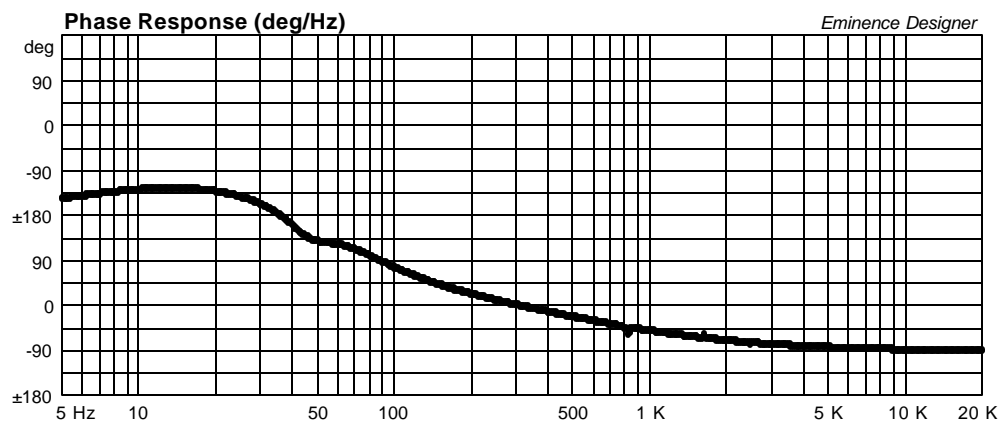
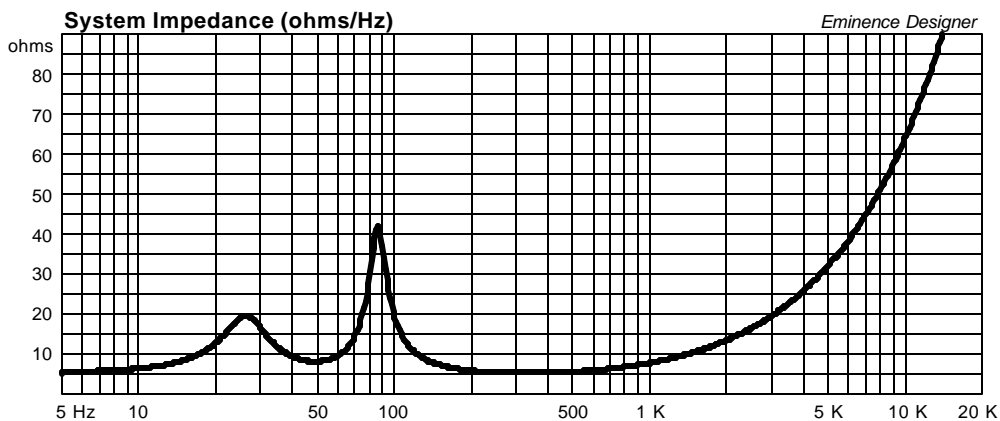
no = 4.197 %

1-W SPL = 98.38 dB

2.83-V SPL = 100.2 dB







KappaPro15A, Large Vented Cabinet for PA or Bass Guitar

By McJerry, Eminence Speaker LLC

Displacement limited to 75 watts if used full range. Displacement limited to 400 watts if used as a mid/high box crossed over at 150 Hz. Use a 35 Hz HPF if run full range.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 6.25 cu.ft

V(total) = 6.415 cu.ft

Fb = 42 Hz

QL = 7

F3 = 62.14 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 1.633 in

Driver Properties

--Description--

Name: Kappa Pro-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: Diecast aluminum basket.

Voice Coil: 3 inch (76.2 mm) AL Wire Kapton former.

Magnet: 80 oz ferrite magnet.

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 47 Hz

Qms = 8.01

Vas = 167.7 liters

Cms = 0.16 mm/N

Mms = 72 g

Rms = 2.62 kg/s

Xmax = 3.2 mm

Xmech = 13.21 mm

P-Dia = 330.7 mm

Sd = 856.3 sq.cm

P-Vd = 0.272 liters

--Electrical Parameters--

Qes = 0.4

Re = 5.23 ohms

Le = 1.01 mH

Z = 8 ohms

BL = 16.6 Tm

Pe = 500 watts

--Electromech. Parameters--

Qts = 0.38

no = 4.197 %

1-W SPL = 98.38 dB

2.83-V SPL = 100.2 dB

