

KappaPro10A Mid High Box, Hi Power, Hi F3, Use with a Sub

By McJerry, Eminence Speaker LLC

Displacement and thermally limited to 500 watts. Use a 24 dB per octave high pass filter set to 120 Hz or higher. Great, super high power floor monitor, or as a medium sized mid/high box.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 0.4 cu.ft

V(total) = 0.461 cu.ft

Fb = 110 Hz

QL = 7

F3 = 102.1 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 3.091 in

Lv = 5.014 in

Driver Properties

--Description--

Name: Kappa Pro-10

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised Sep-2002

Piston: Paper cone.

Suspension: Cloth surround.

Dust Cap: Solid paper dust cap.

Frame: Diecast aluminum basket.

Voice Coil: 3 inch (76.2 mm) copper.

Magnet: 80 oz ferrite magnet.

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 46 Hz

Qms = 10.1

Vas = 52.2 liters

Xmax = 3.2 mm

Sd = 344.9 sq.cm

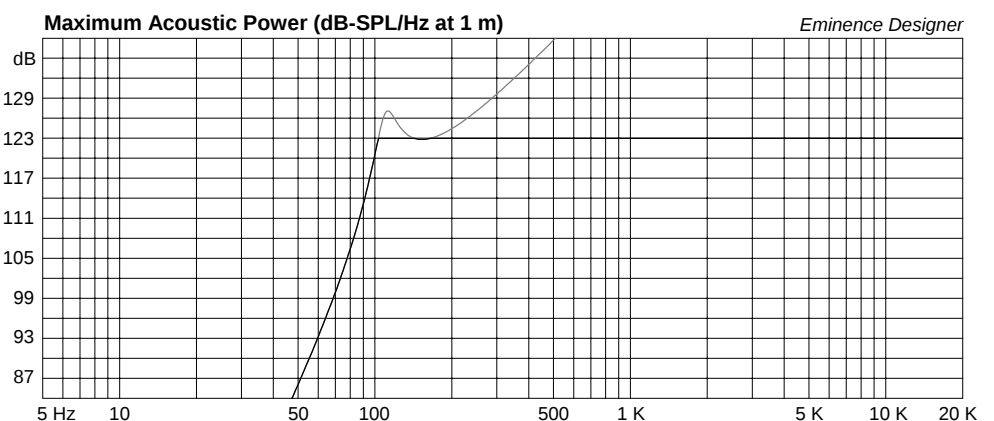
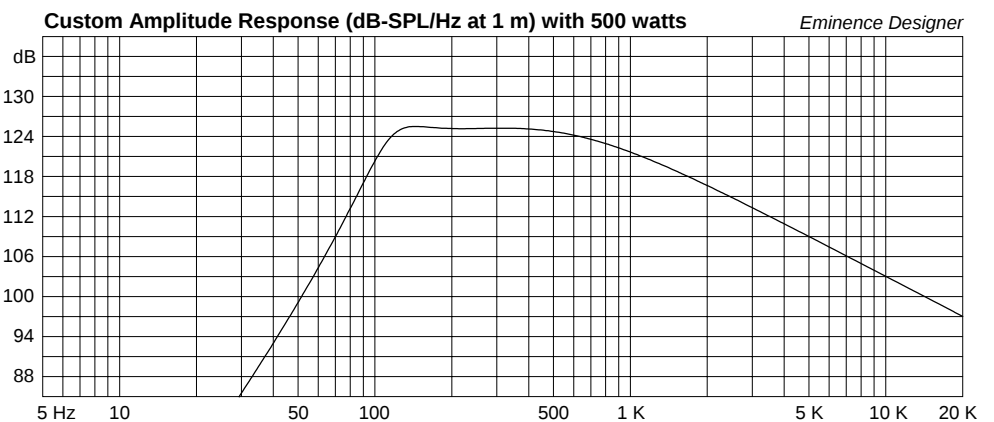
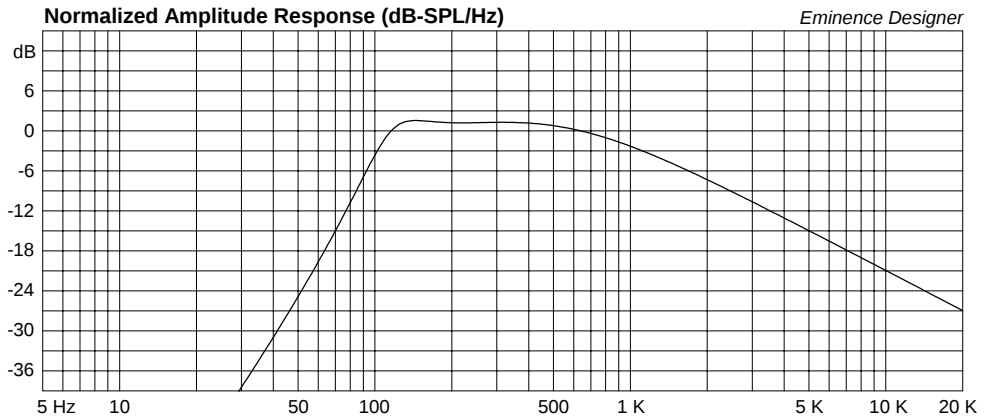
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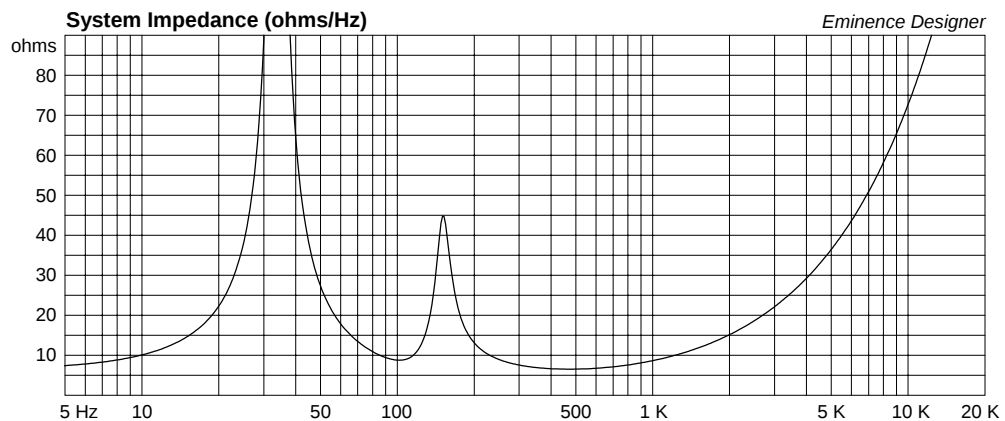
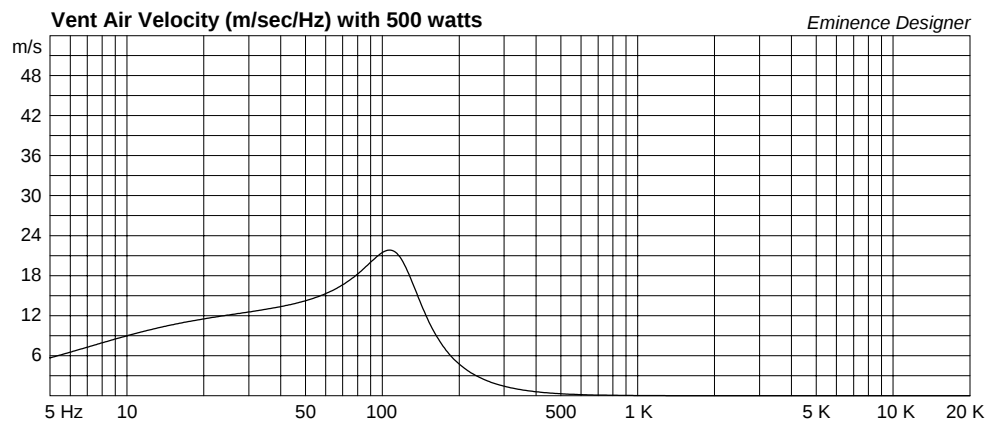
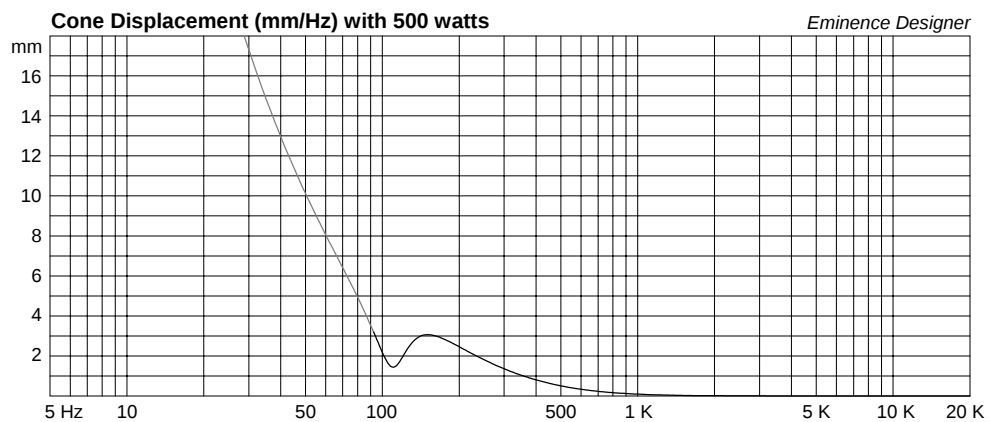
Re = 6.5 ohms

Le = 1.15 mH

Z = 8 ohms

Pe = 500 watts





KappaPro10A Vented Cabinet

By McJerry, Eminence Speaker LLC

Displacement and thermally limited to 500 watts. Use a 24 dB per octave high pass filter set to 120 Hz or higher. Great super high power floor monitor or as a medium sized mid/high box.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 0.4 cu.ft

V(total) = 0.505 cu.ft

Fb = 110 Hz

QL = 7

F3 = 102.1 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 3 in

Lv = 4.62 in

Driver Properties

--Description--

Name: Kappa Pro-10

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised NOV 2005

Piston: Paper cone.

Suspension: Cloth surround.

Dust Cap: Solid paper dust cap.

Frame: Diecast aluminum basket.

Voice Coil: 3 inch (76.2 mm) copper.

Magnet: 80 oz ferrite magnet.

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 46 Hz

Qms = 10.1

Vas = 52.2 liters

Xmax = 3.2 mm

Sd = 344.9 sq.cm

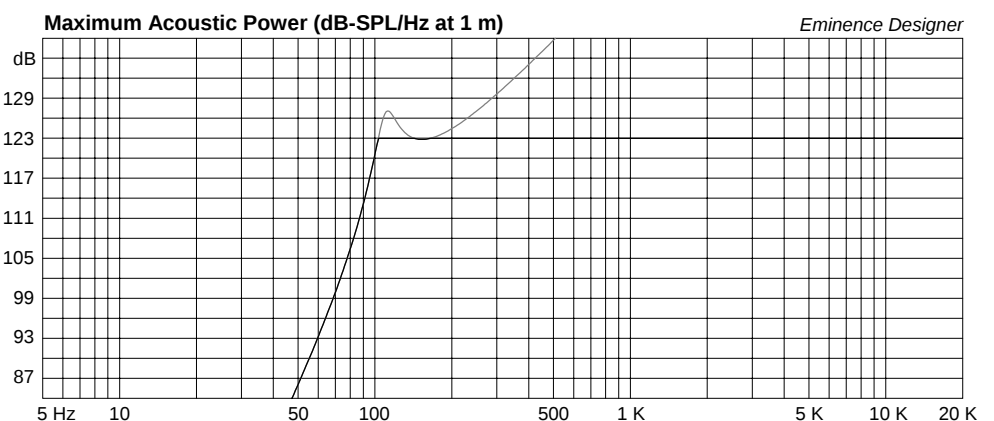
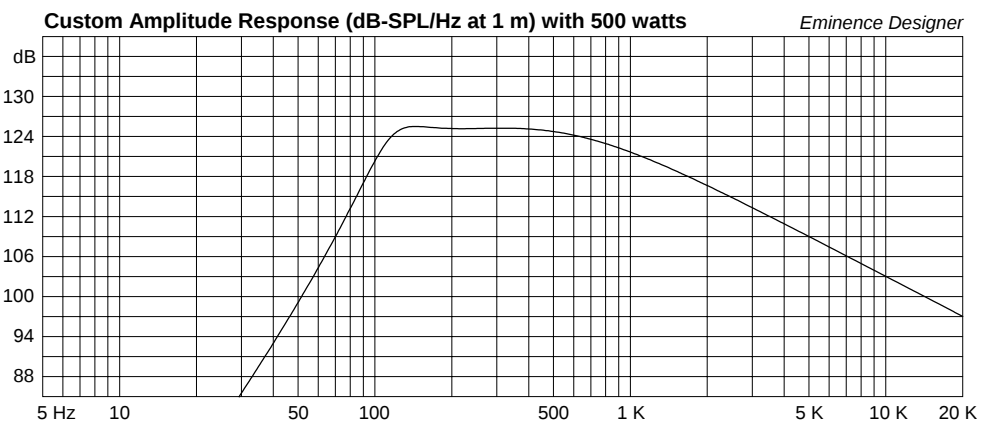
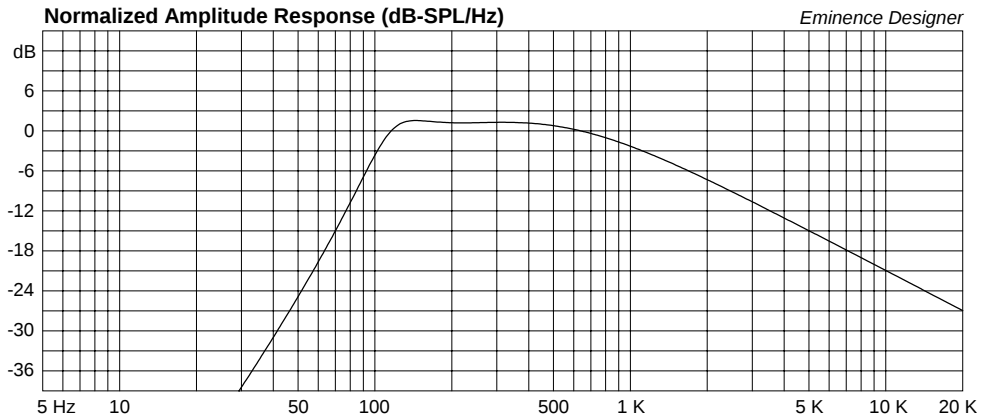
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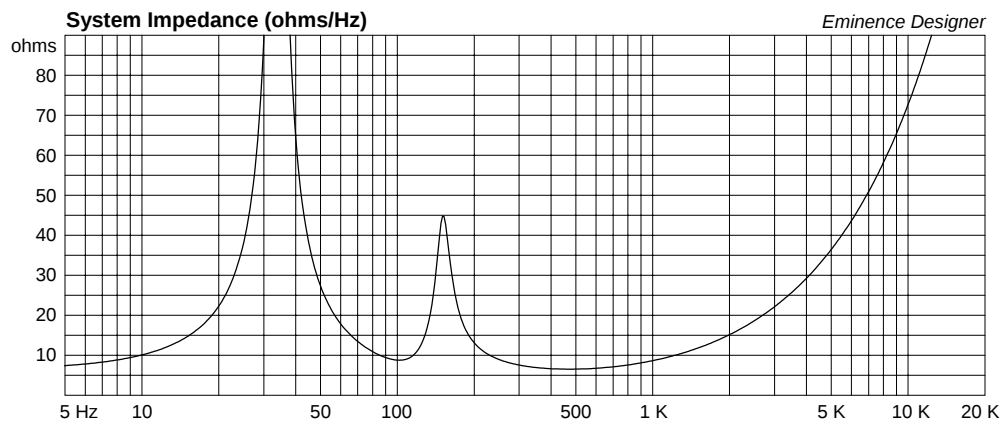
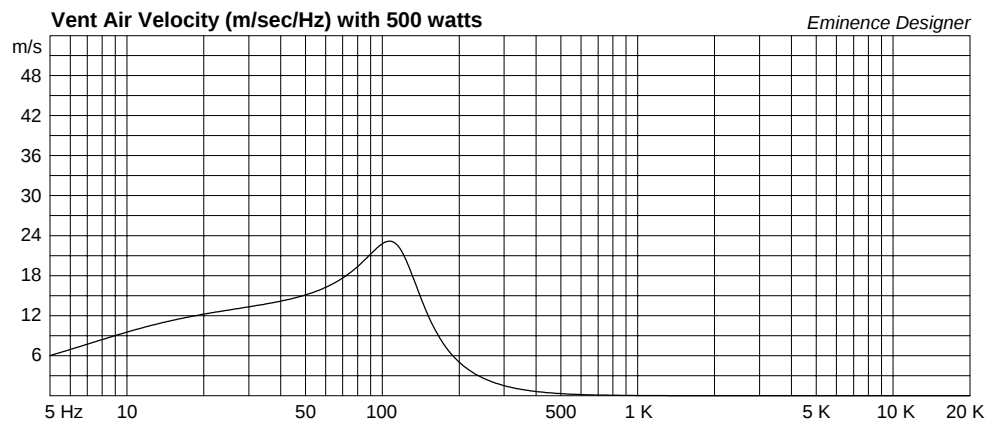
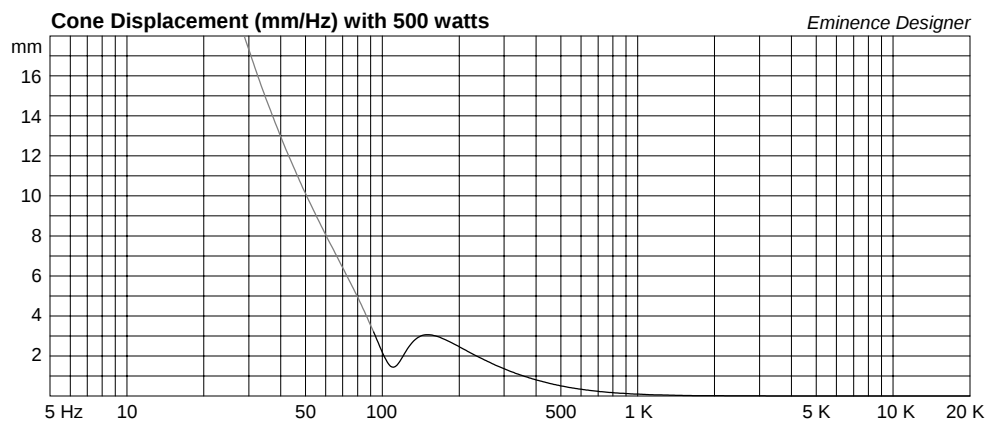
Re = 6.5 ohms

Le = 1.15 mH

Z = 8 ohms

Pe = 500 watts





KappaPro10A Sealed Midrange Enclosure, for 3-Way Systems

By McJerry, Eminence Speaker LLC

Limited to 300 Watts when used in a sealed box. Use a 12 dB per octave or steeper high pass at 300 Hz.

Use stuffing in the sealed chamber.

Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 0.2 cu.ft

V(total) = 0.261 cu.ft

Qtc = 0.514

QL = 20

F3 = 188.3 Hz

Fill = heavy

Driver Properties

--Description--

Name: Kappa Pro-10

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised Nov 2005

Piston: Paper cone.

Suspension: Cloth surround.

Dust Cap: Solid paper dust cap.

Frame: Diecast aluminum basket.

Voice Coil: 3 inch (76.2 mm) copper.

Magnet: 80 oz ferrite magnet.

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 46 Hz

Qms = 10.1

Vas = 52.2 liters

Xmax = 3.2 mm

Sd = 344.9 sq.cm

Qes = 0.2

Re = 6.5 ohms

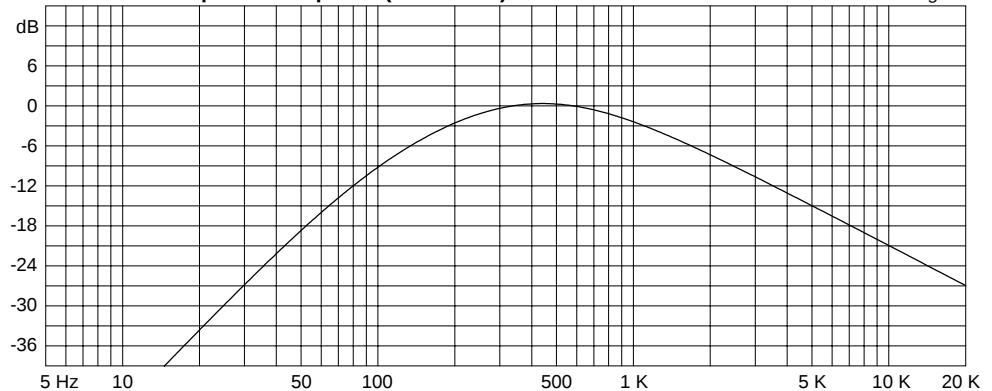
Le = 1.15 mH

Z = 8 ohms

Pe = 500 watts

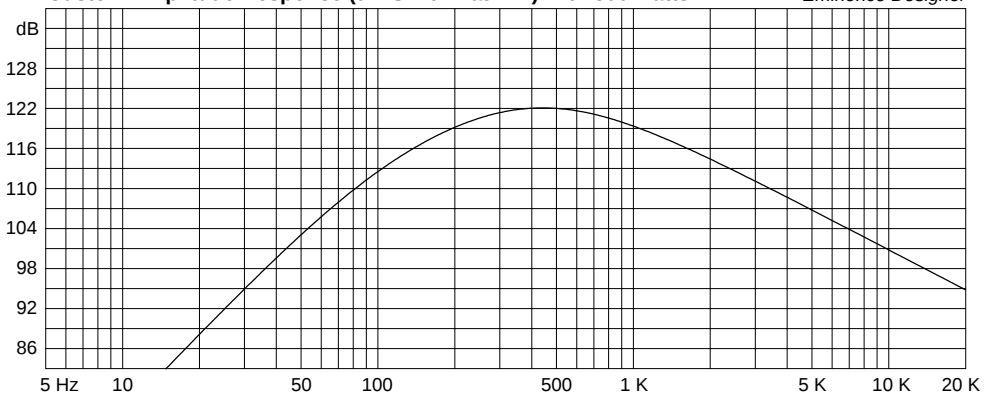
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



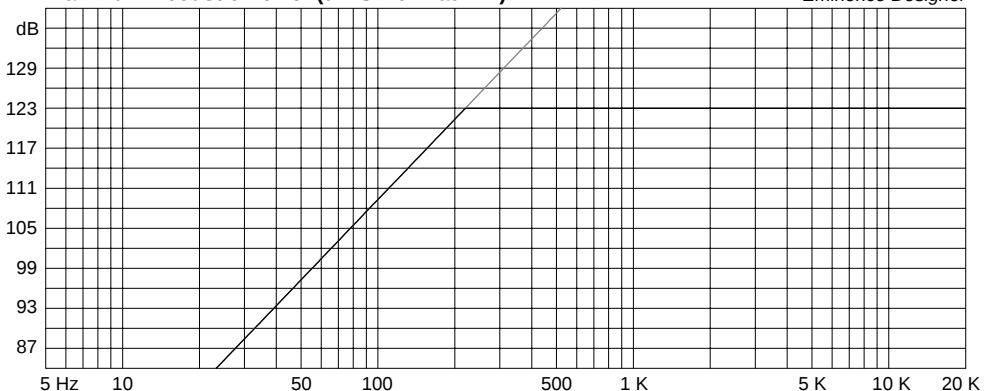
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 300 watts

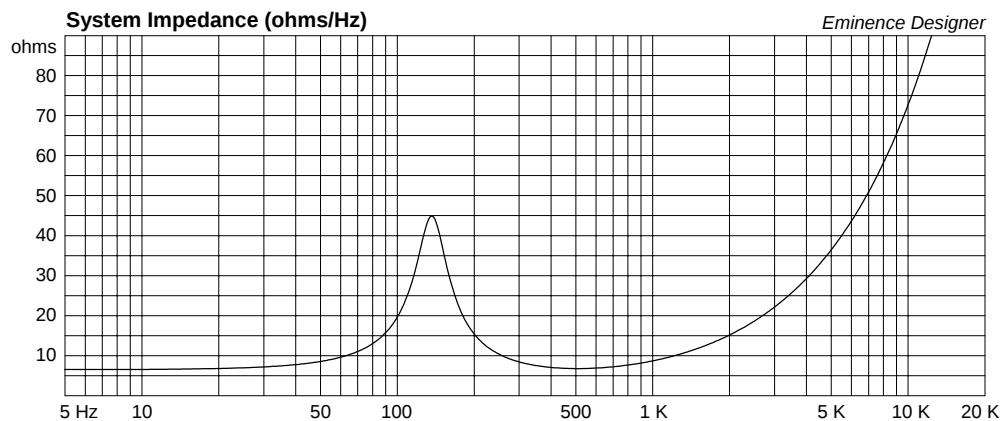
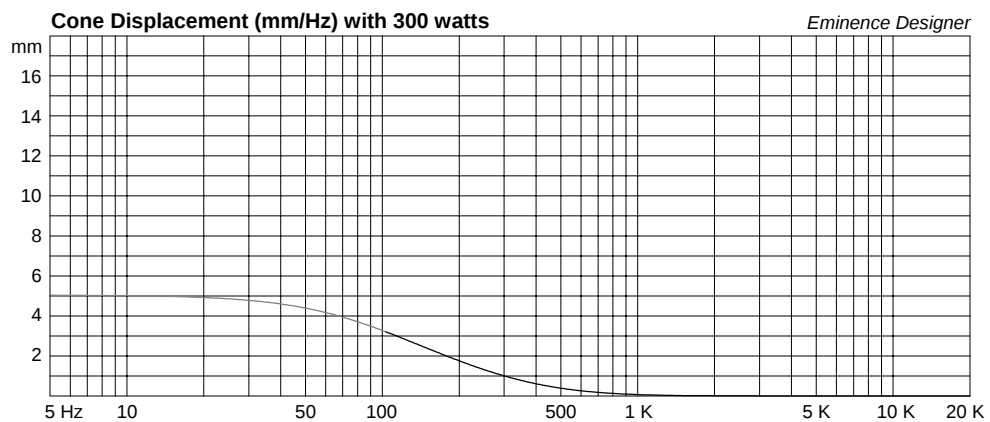
Eminence Designer



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

Eminence Designer





KappaPro10A Small Vented Cabinet

By McJerry, Eminence Speaker LLC

Displacement and thermally limited to 500 watts. Use a 24 dB per octave high pass filter set to 150 Hz or higher. Great high power floor monitor, mid range in a three way system, or as a mid/high box.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 0.3 cu.ft

V(total) = 0.431 cu.ft

Fb = 110 Hz

QL = 7

F3 = 109.3 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 3 in

Lv = 7.349 in

Driver Properties

--Description--

Name: Kappa Pro-10

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised NOV 2005

Piston: Paper cone.

Suspension: Cloth surround.

Dust Cap: Solid paper dust cap.

Frame: Diecast aluminum basket.

Voice Coil: 3 inch (76.2 mm) copper.

Magnet: 80 oz ferrite magnet.

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 46 Hz

Qms = 10.1

Vas = 52.2 liters

Xmax = 3.2 mm

Sd = 344.9 sq.cm

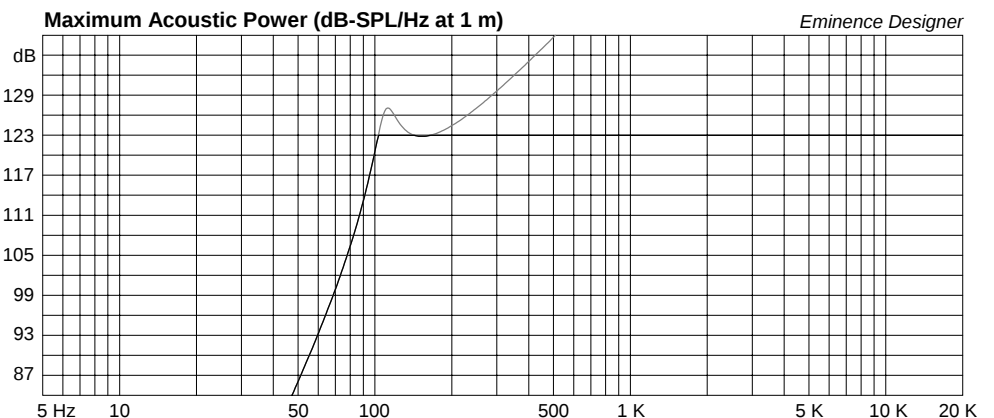
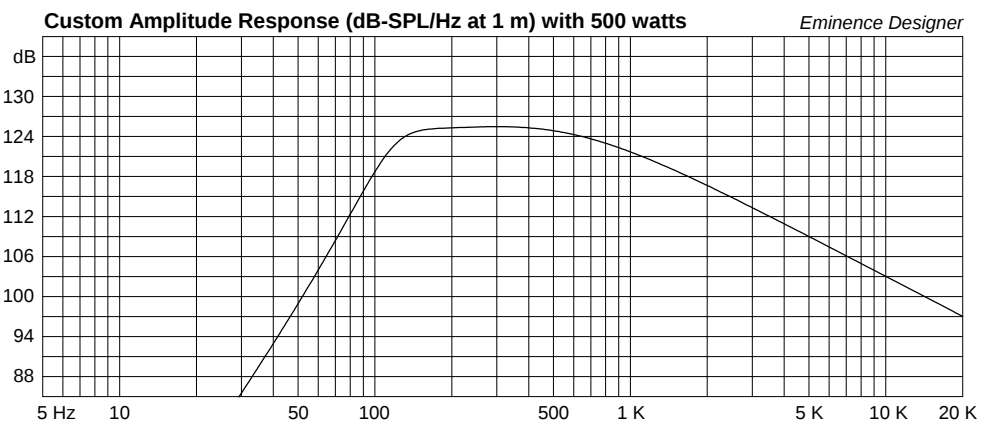
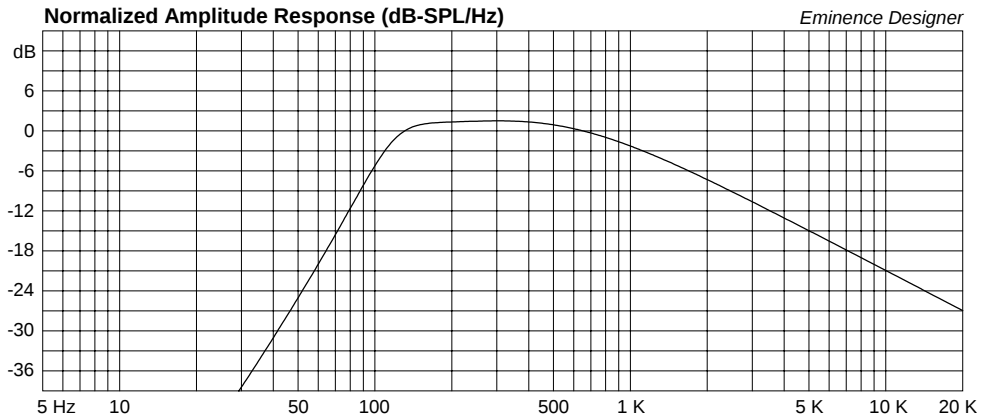
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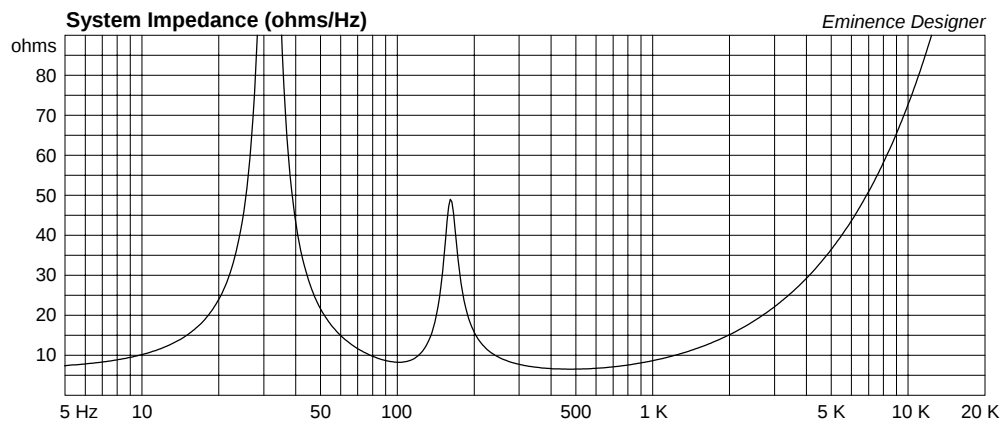
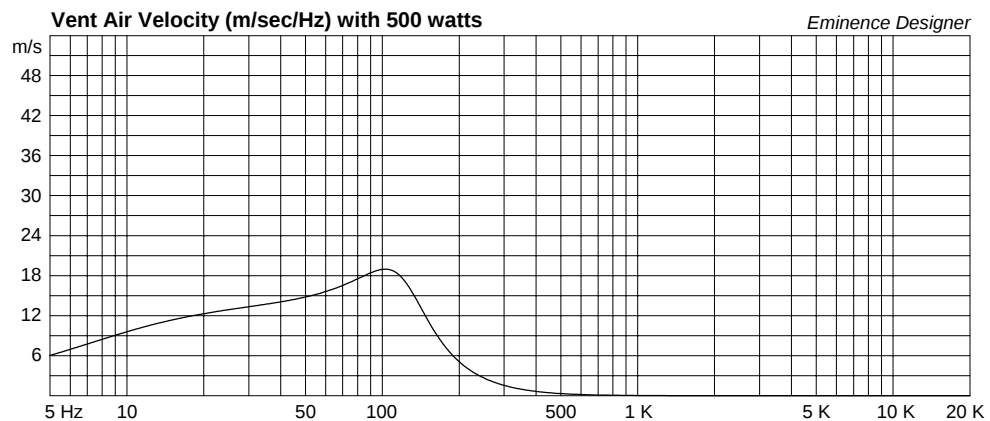
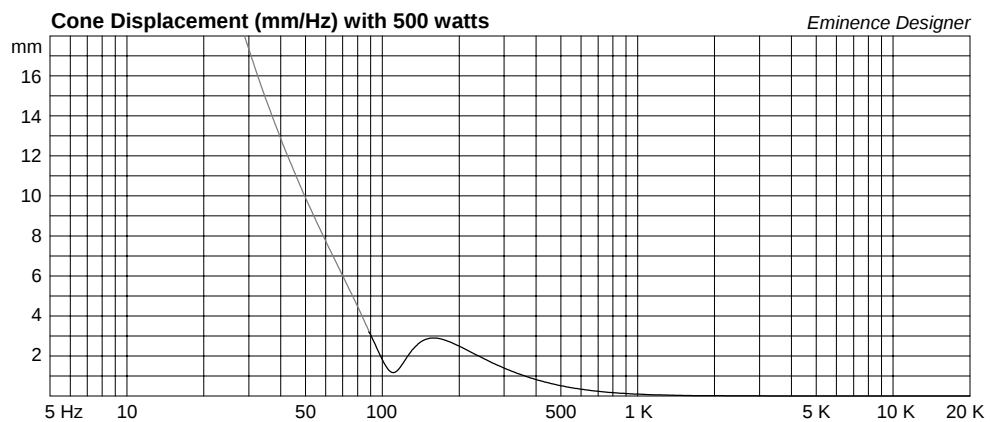
Re = 6.5 ohms

Le = 1.15 mH

Z = 8 ohms

Pe = 500 watts





KappaPro10A Vented Bass Guitar Cabinet

By McJerry, Eminence Speaker LLC

Displacement Limited to 175 Watts. F3 of 144.6 Hz, but has extremely slow roll-off for really tight, and punchy low bass.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 0.75 cu.ft

V(total) = 0.944 cu.ft

Fb = 55 Hz

QL = 7

F3 = 144.6 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 3 in

Lv = 13.9 in

Driver Properties

--Description--

Name: Kappa Pro-10

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised NOV 2005

Piston: Paper cone.

Suspension: Cloth surround.

Dust Cap: Solid paper dust cap.

Frame: Diecast aluminum basket.

Voice Coil: 3 inch (76.2 mm) copper.

Magnet: 80 oz ferrite magnet.

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 46 Hz

Qms = 10.1

Vas = 52.2 liters

Xmax = 3.2 mm

Sd = 344.9 sq.cm

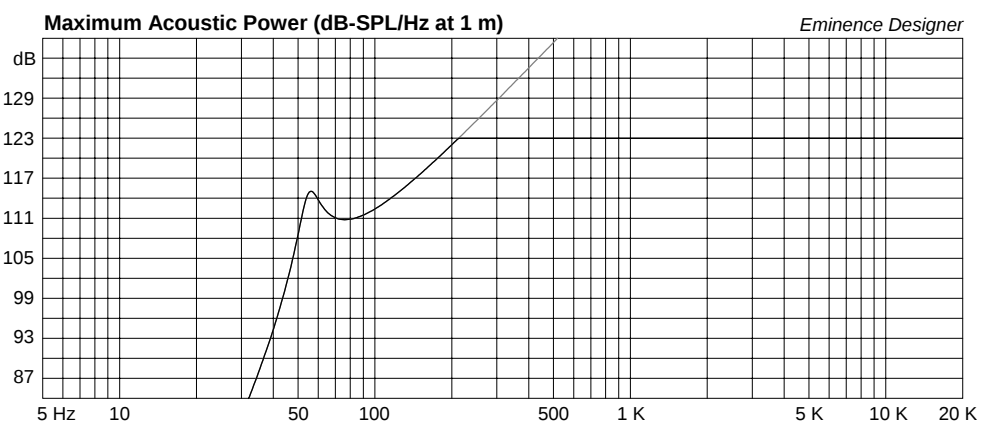
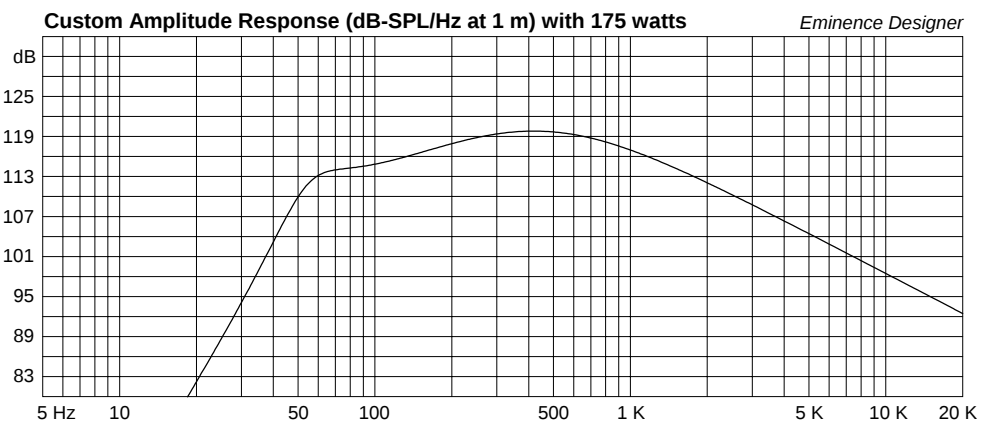
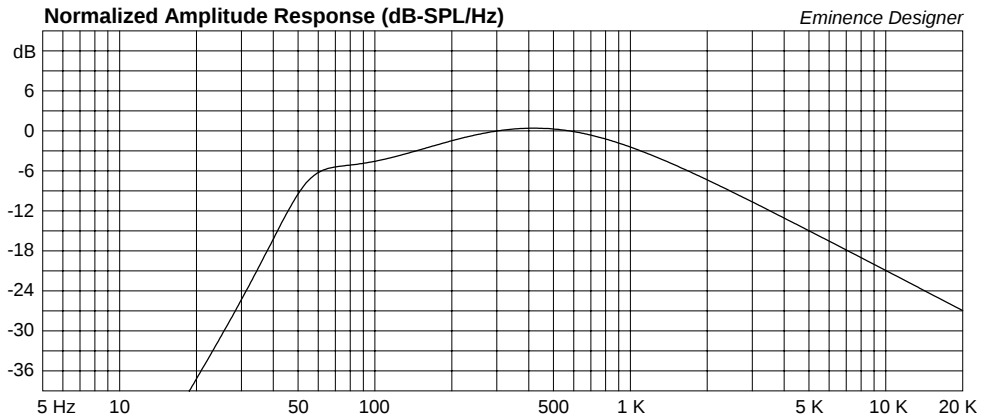
Qes = 0.2

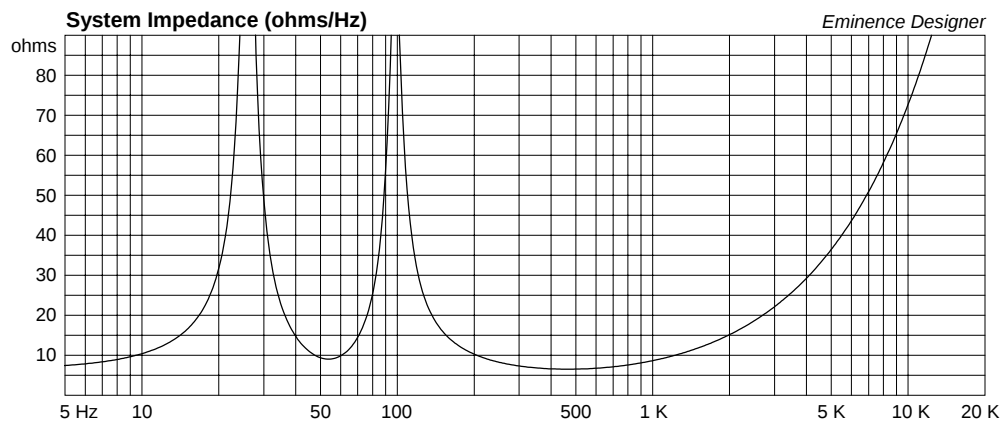
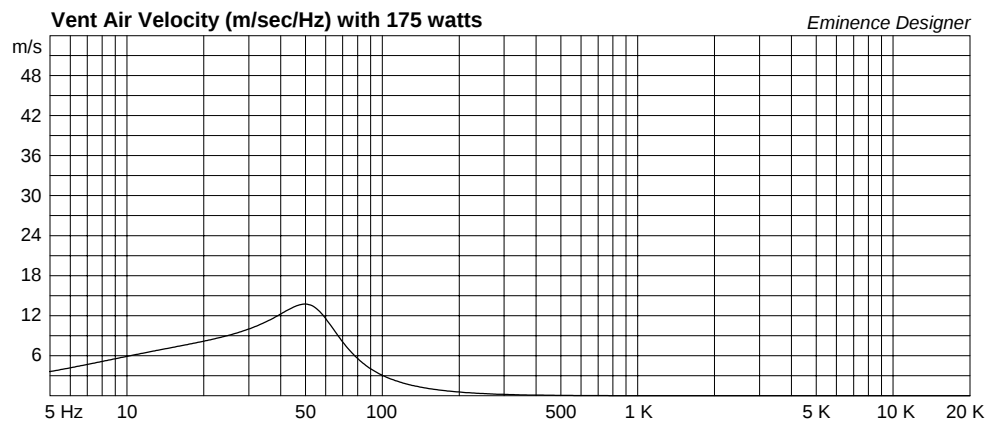
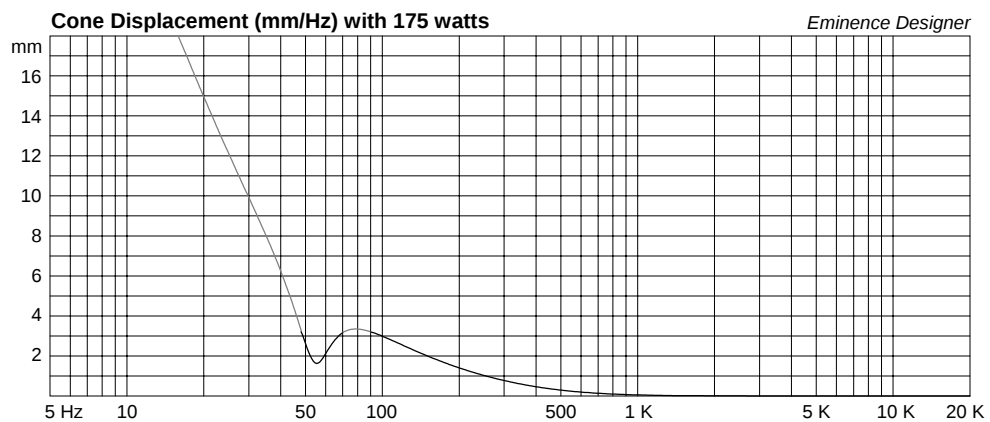
Re = 6.5 ohms

Le = 1.15 mH

Z = 8 ohms

Pe = 500 watts





KappaPro10A Small Vented Mid Range Cabinet

By McJerry, Eminence Speaker LLC

Limited to 450 Watts; use a steep high pass filter set to 150 Hz. Not for full range use.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 0.2 cu.ft

V(total) = 0.301 cu.ft

Fb = 110 Hz

QL = 7

F3 = 126 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 2.3 in

Lv = 6.89 in

Driver Properties

--Description--

Name: Kappa Pro-10

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised Sep-2002

Piston: Paper cone.

Suspension: Cloth surround.

Dust Cap: Solid paper dust cap.

Frame: Diecast aluminum basket.

Voice Coil: 3 inch (76.2 mm) copper.

Magnet: 80 oz ferrite magnet.

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 46 Hz

Qms = 10.1

Vas = 52.2 liters

Xmax = 3.2 mm

Sd = 344.9 sq.cm

Qes = 0.2

Re = 6.5 ohms

Le = 1.15 mH

Z = 8 ohms

Pe = 500 watts

