

KappaPro12A Larger Vented Box, Med Power, Med F3

By McJerry, Eminence Speaker LLC

Displacement limited to 300 watts. Must use a 24 dB per octave High Pass Filter set to 50 Hz or higher to protect driver from overexcursion.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 1.68 cu.ft

V(total) = 1.92 cu.ft

Fb = 55 Hz

QL = 7

F3 = 57.28 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 9.105 in

Driver Properties

--Description--

Name: Kappa Pro-12

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 = 37 Hz

Qms = 6.93

Vas = 121 liters

Xmax = 4.8 mm

Sd = 519.5 sq.cm

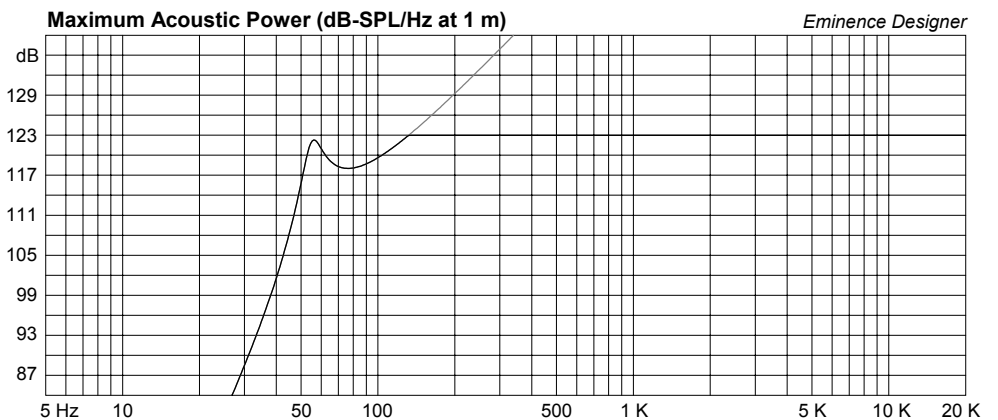
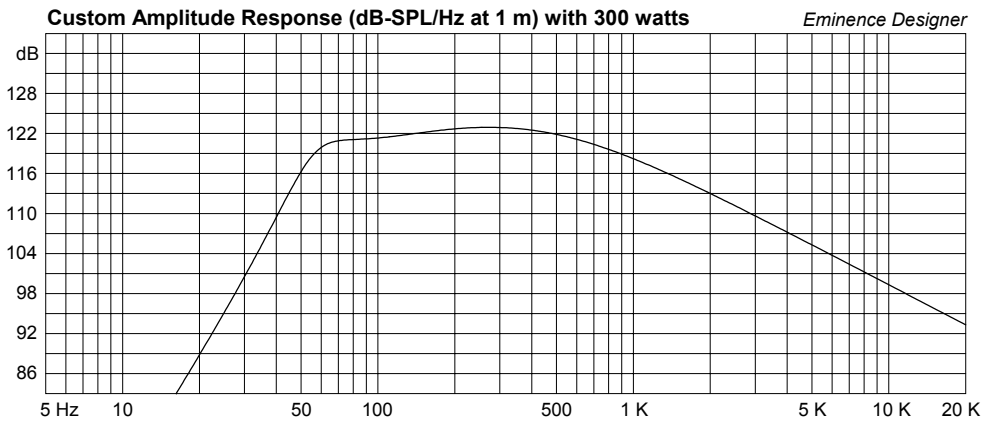
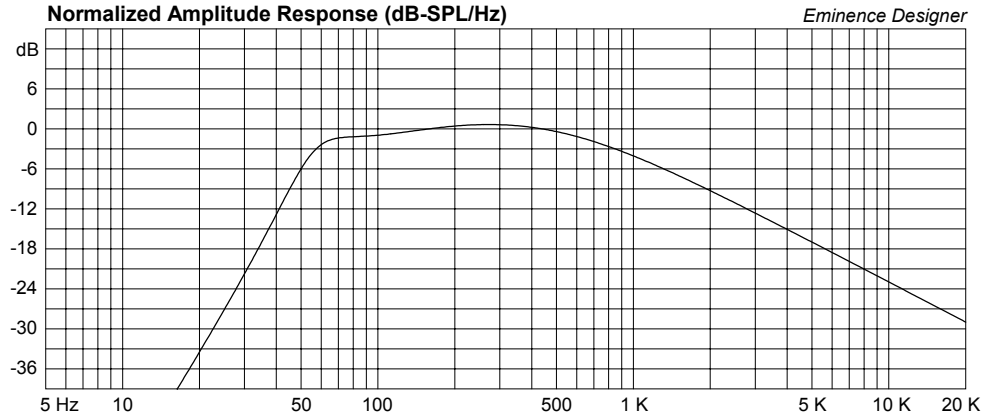
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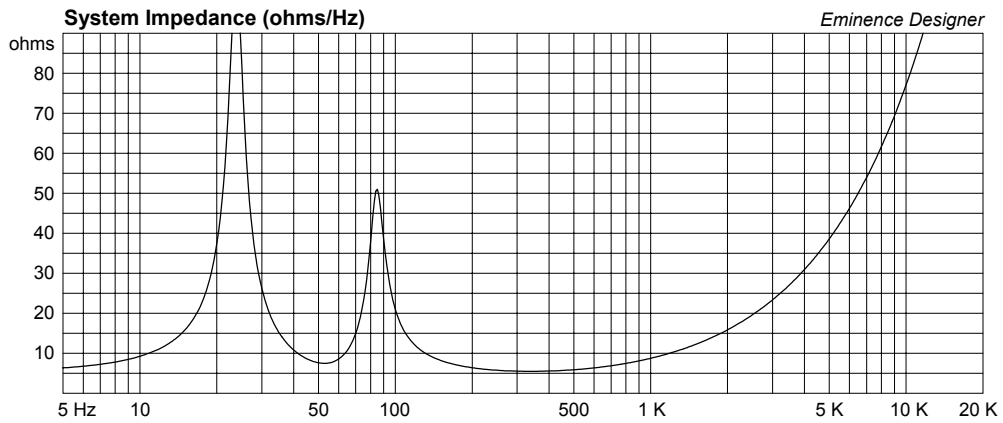
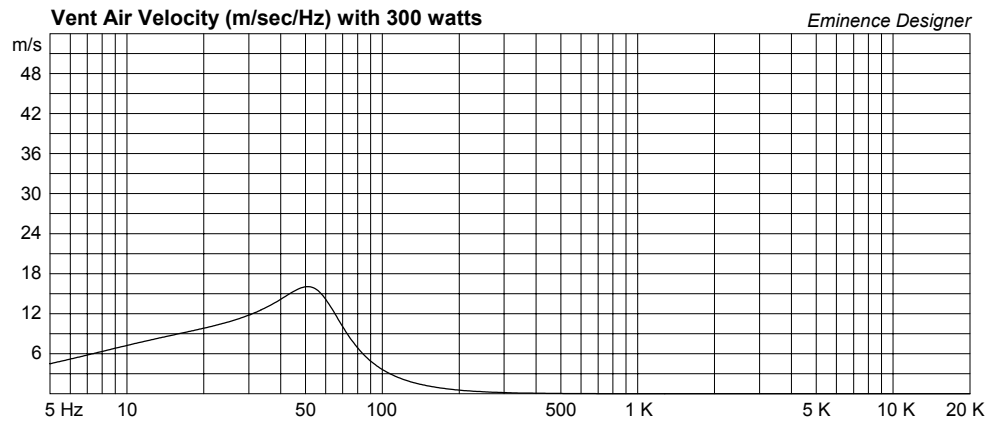
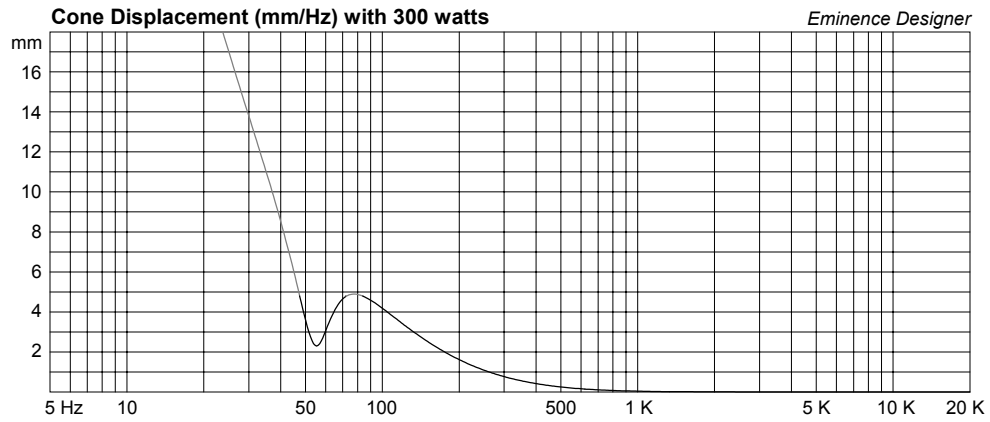
Re = 5.46 ohms

Le = 1.22 mH

Z = 8 ohms

Pe = 500 watts





KappaPro12A Med, Mid High Box, Use with a Sub

By McJerry, Eminence Speaker LLC

Displacement and thermally limited to 500 watts. Must use a 24 dB per octave High Pass Filter set to 100 Hz or higher to protect driver from overexcursion. Not a full range design. Must use a sub-woofer.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 0.98 cu.ft

V(total) = 1.176 cu.ft

Fb = 80 Hz

QL = 7

F3 = 75.47 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 6.475 in

Driver Properties

--Description--

Name: Kappa Pro-12

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 = 37 Hz

Qms = 6.93

Vas = 121 liters

Xmax = 4.8 mm

Sd = 519.5 sq.cm

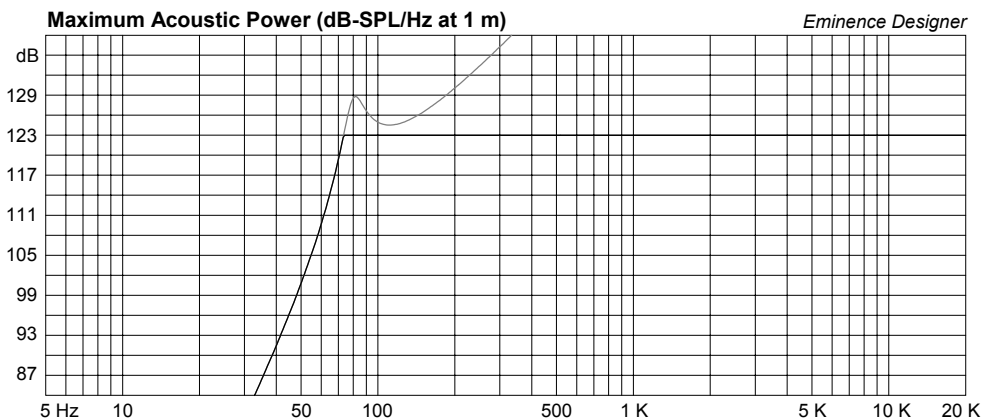
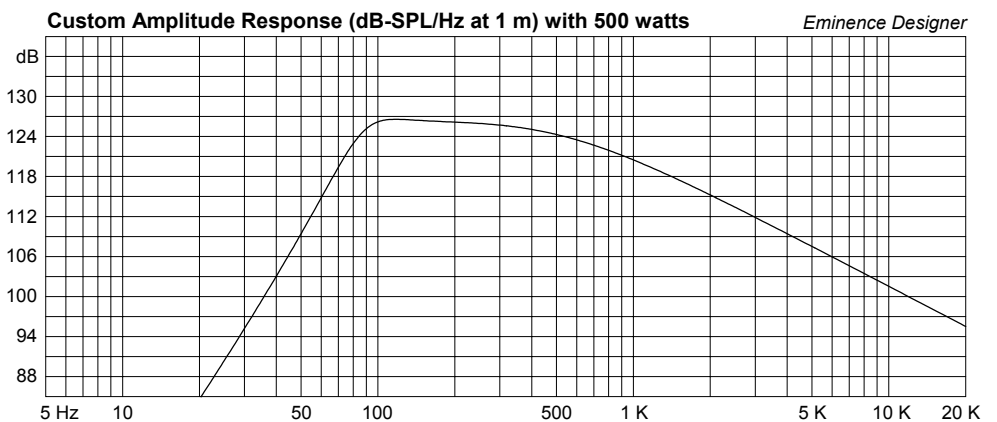
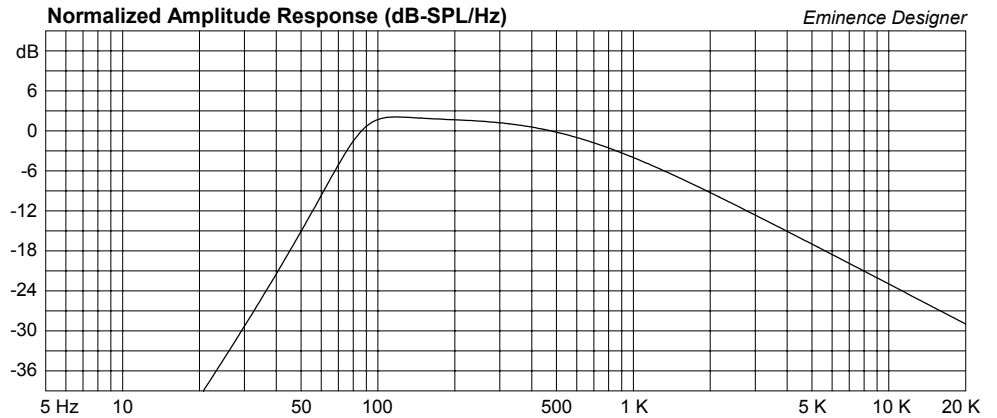
Qes = 0.25

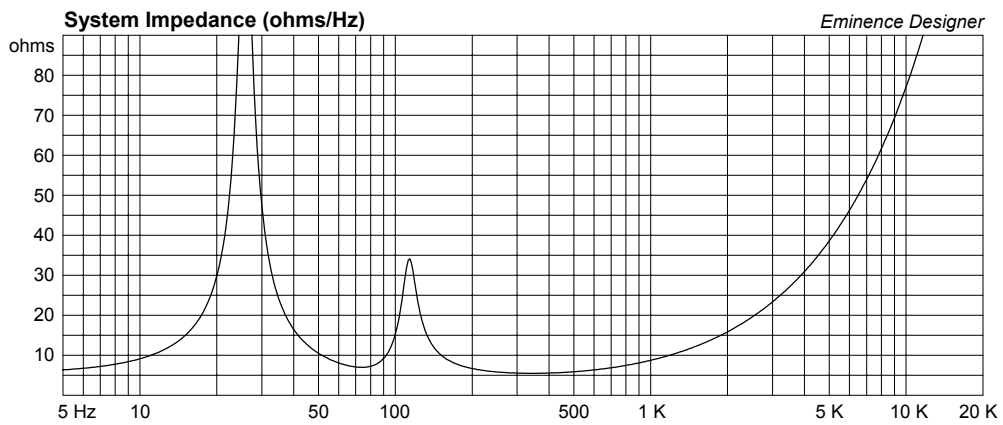
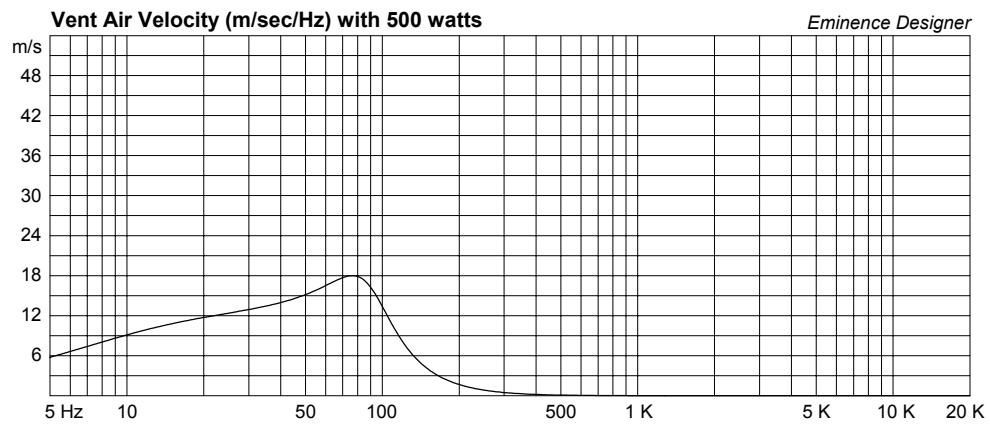
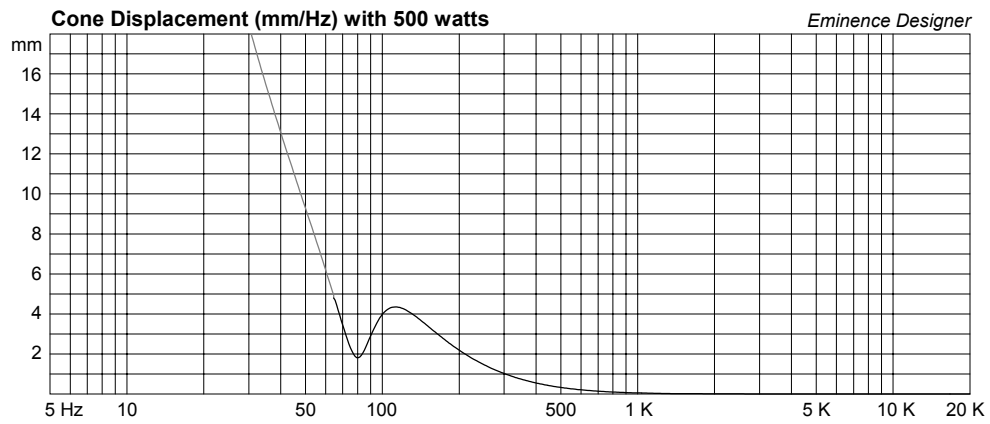
Re = 5.46 ohms

Le = 1.22 mH

Z = 8 ohms

Pe = 500 watts





KappaPro12A Small Mid High Box, Must use with a Sub!

By McJerry, Eminence Speaker LLC

Displacement and thermally limited to 500 watts. Must use a 24 dB per octave High Pass Filter set to 100 Hz or higher to protect driver from overexcursion. Not a full range design! Use with a good sub-woofer system.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 0.616 cu.ft

V(total) = 0.733 cu.ft

Fb = 100 Hz

QL = 7

F3 = 93.39 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 3 in

Lv = 2.868 in

Driver Properties

--Description--

Name: Kappa Pro-12

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 = 37 Hz

Qms = 6.93

Vas = 121 liters

Xmax = 4.8 mm

Sd = 519.5 sq.cm

Qes = 0.25

Re = 5.46 ohms

Le = 1.22 mH

Z = 8 ohms

Pe = 500 watts

