

KappaPro15LF-2C Large Vented Cab

By Jerry McNutt, Eminence Speaker LLC

Limited to 600 Watts; F3 of 48 Hz. Use a steep High pass filter at 35 Hz.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 4.968 cu.ft

V(total) = 5.492 cu.ft

Fb = 44 Hz

QL = 7

F3 = 48.07 Hz

Fill = minimal

--Vents--

No. of Vents = 4

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 8.992 in

Driver Properties

--Description--

Name: KappaPro15LF-2C

Type: Standard one-way driver

Comment: 4 ohm 15" Cast Frame Woofer

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 37.43 Hz

Qms = 10

Vas = 183.2 liters

Cms = 0.18 mm/N

Mms = 98.92 g

Rms = 2.33 kg/s

Xmax = 7.9 mm

Xmech = 18 mm

P-Dia = 328.3 mm

Sd = 856.3 sq.cm

P-Vd = 0.669 liters

--Electrical Parameters--

Qes = 0.33

Re = 3.34 ohms

Le = 0.94 mH

Z = 4 ohms

BL = 15.4 Tm

Pe = 600 watts

--Electromech. Parameters--

Qts = 0.32

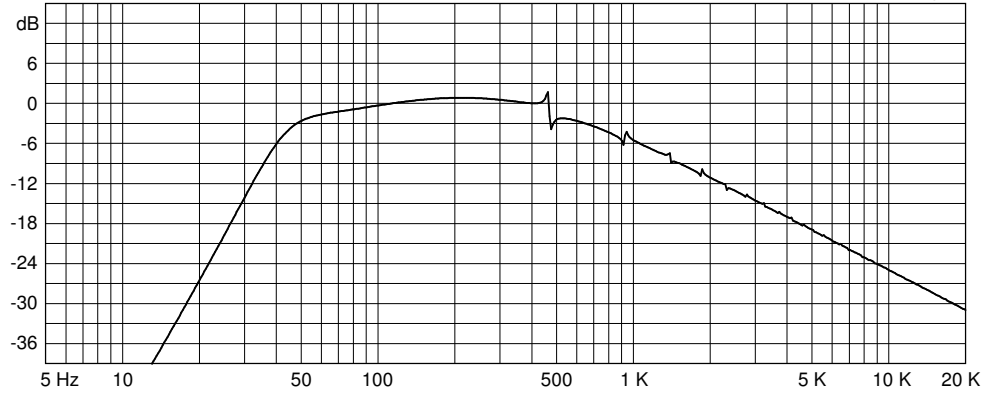
no = 2.807 %

1-W SPL = 96.63 dB

2.83-V SPL = 100.4 dB

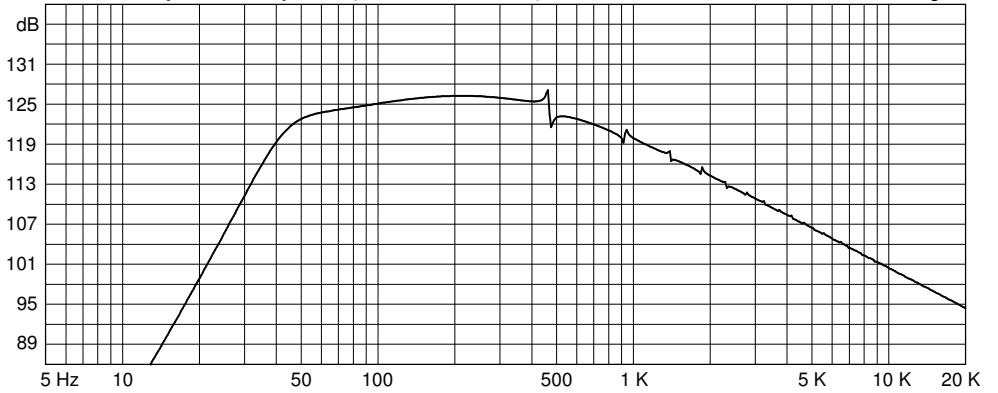
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



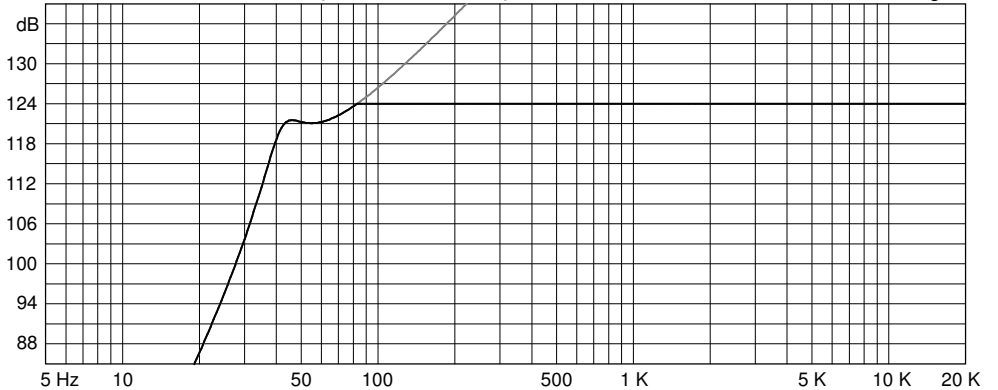
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 600 watts

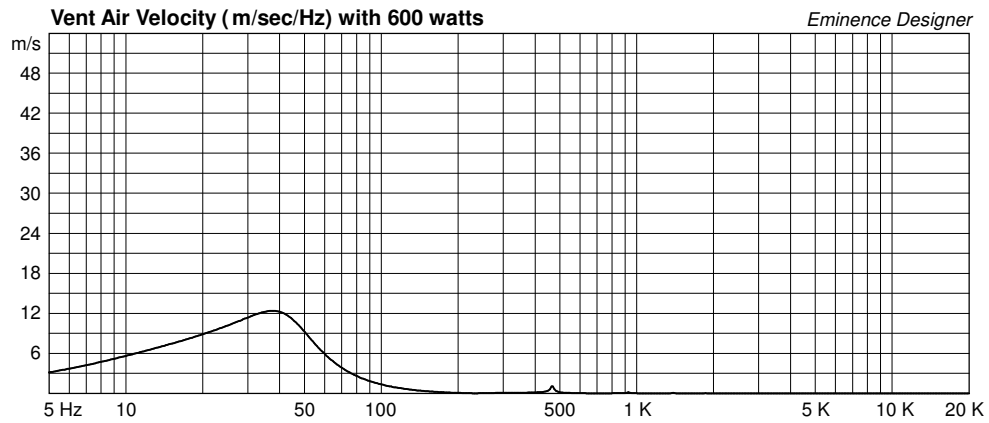
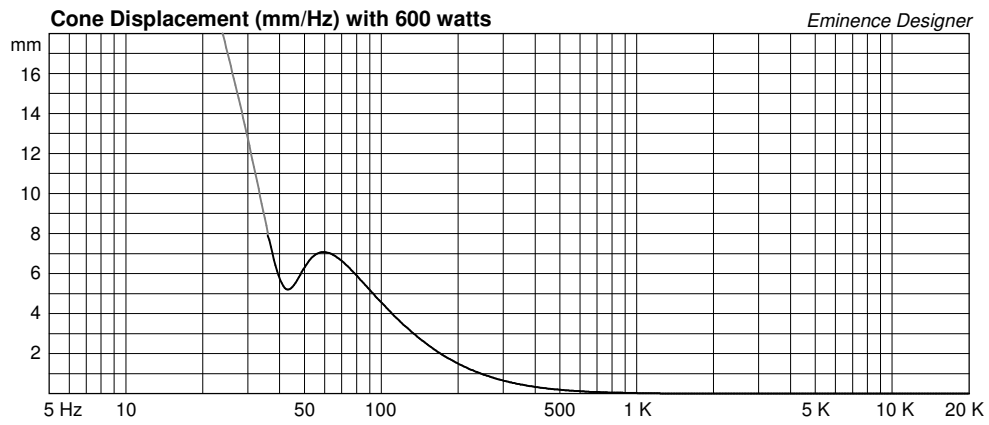
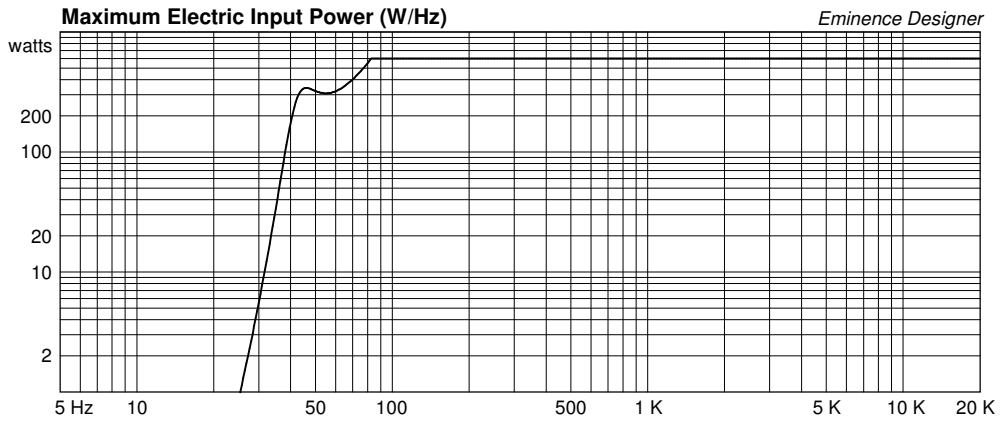
Eminence Designer

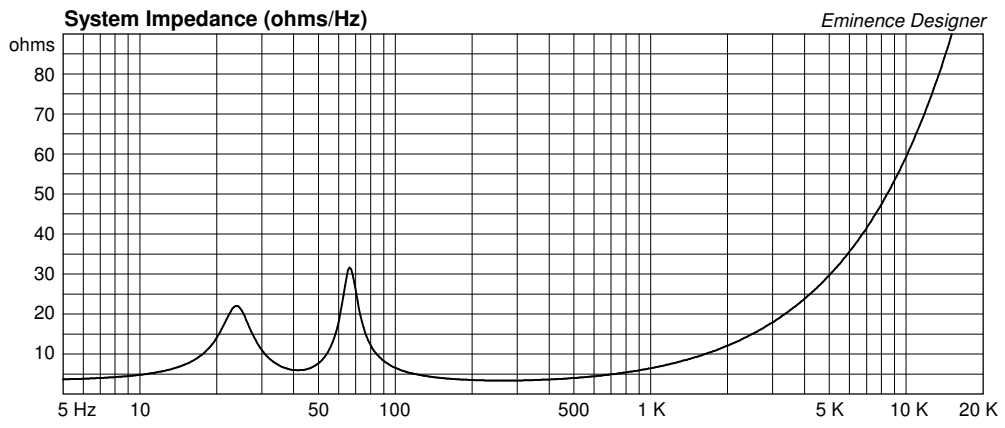


Maximum Acoustic Power (dB-SPL/Hz at 1 m)

Eminence Designer







KappaPro15LF-2C Med Vented Max Power Design

By Jerry McNutt, Eminence Speaker LLC

Thermally Limited to 600 Watts; F3 of 50 Hz. Use a steep High pass filter at 40 Hz.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 4.25 cu.ft

V(total) = 4.728 cu.ft

Fb = 50 Hz

QL = 7

F3 = 50.29 Hz

Fill = minimal

--Vents--

No. of Vents = 4

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 7.604 in

Driver Properties

--Description--

Name: KappaPro15LF-2C

Type: Standard one-way driver

Comment: 4 ohm 15" Cast Frame Woofer

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 37.43 Hz

Qms = 10

Vas = 183.2 liters

Cms = 0.18 mm/N

Mms = 98.92 g

Rms = 2.33 kg/s

Xmax = 7.9 mm

Xmech = 18 mm

P-Dia = 328.3 mm

Sd = 856.3 sq.cm

P-Vd = 0.669 liters

--Electrical Parameters--

Qes = 0.33

Re = 3.34 ohms

Le = 0.94 mH

Z = 4 ohms

BL = 15.4 Tm

Pe = 600 watts

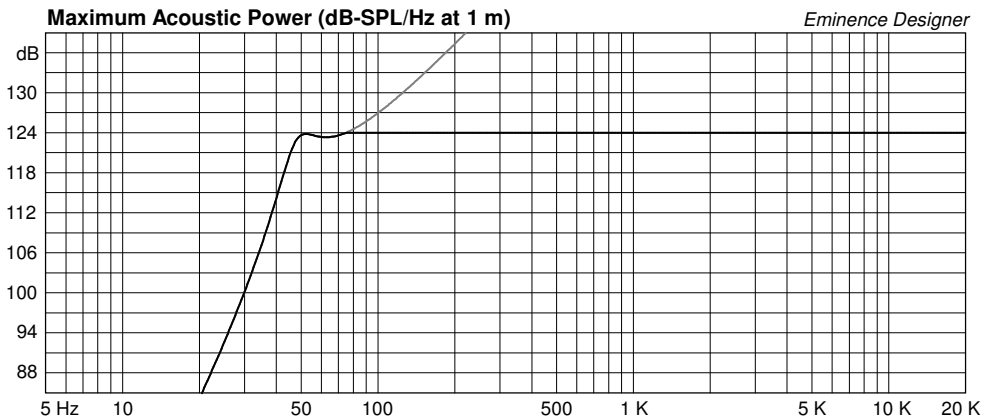
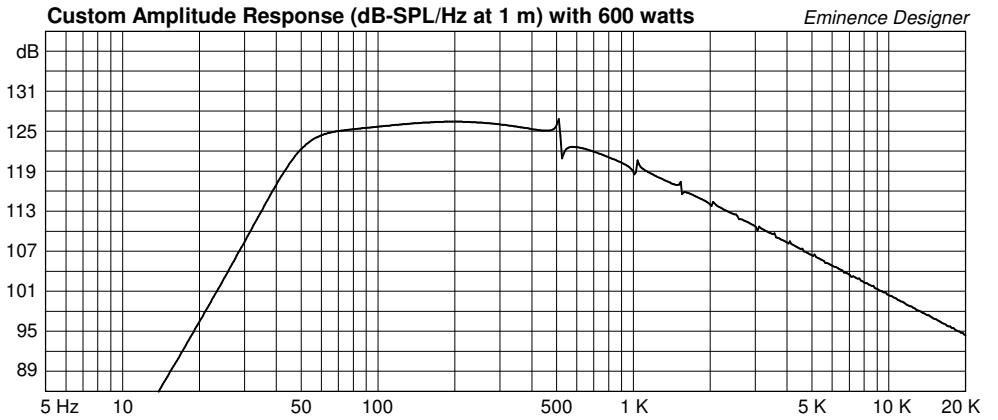
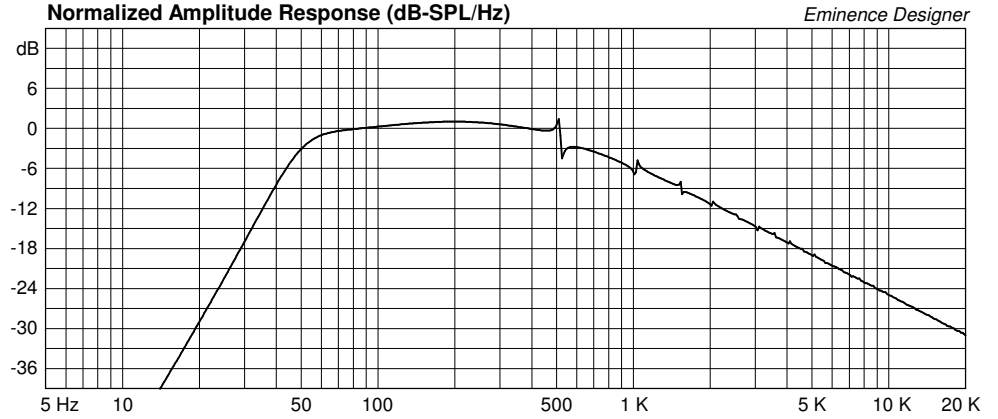
--Electromech. Parameters--

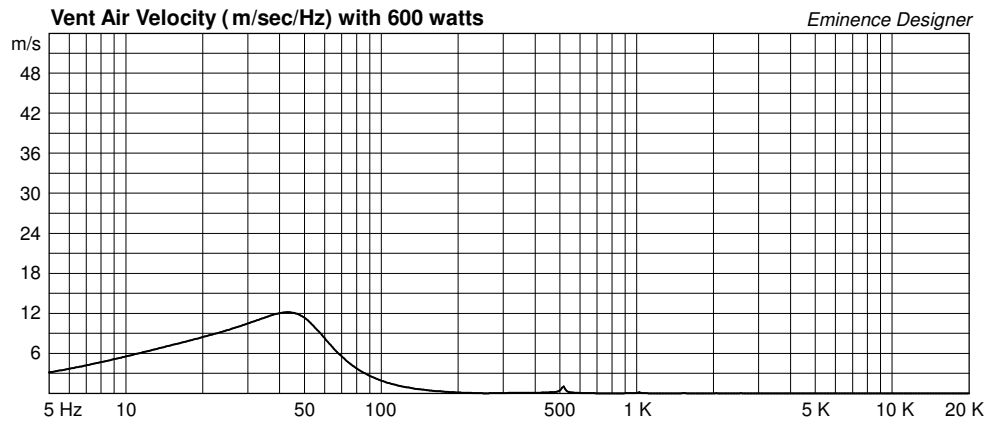
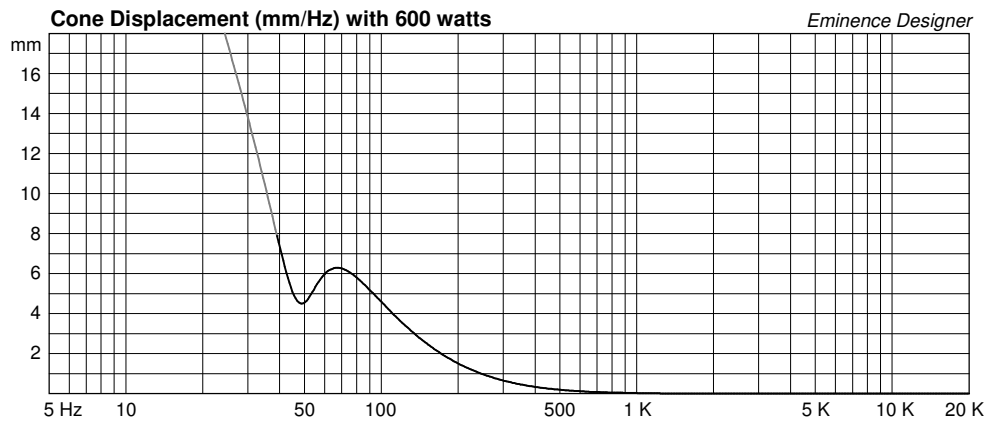
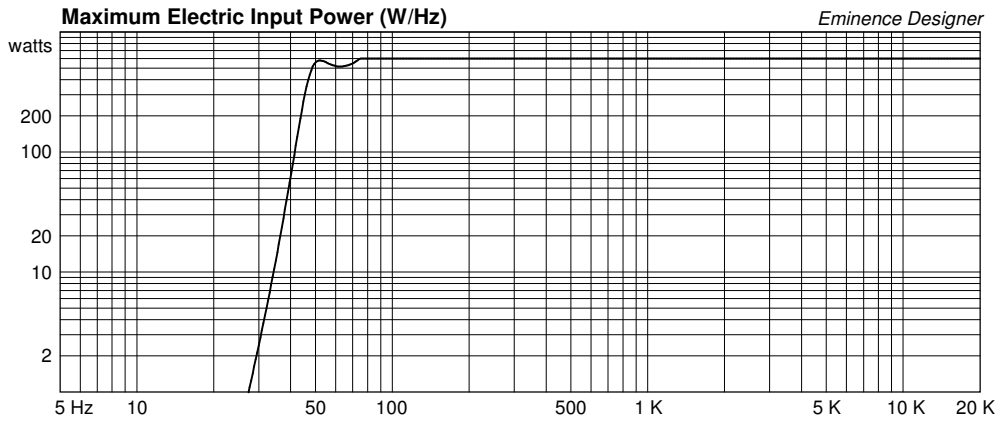
Qts = 0.32

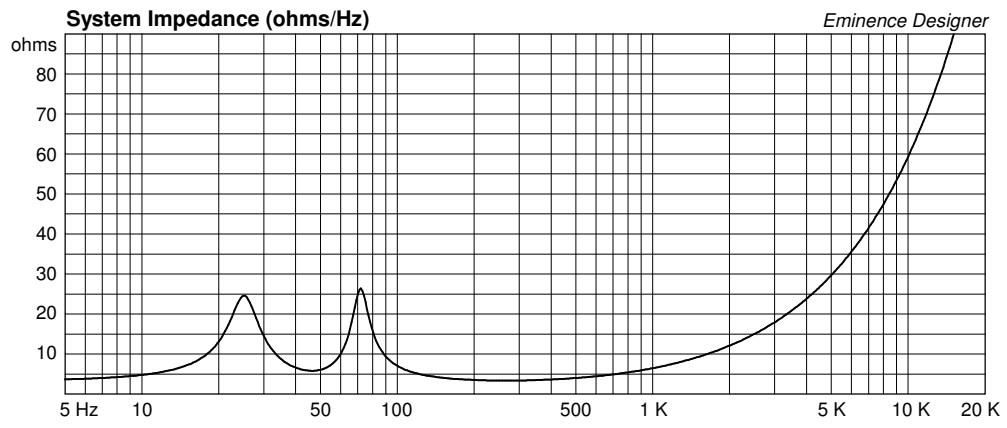
no = 2.807 %

1-W SPL = 96.63 dB

2.83-V SPL = 100.4 dB







KappaPro15LF-2C Compact Vented Max Power Box

By Jerry McNutt, Eminence Speaker LLC

Thermally Limited to 600 Watts; F3 of 61 Hz. Use a steep High pass filter at 40 Hz.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 2.5 cu.ft

V(total) = 2.835 cu.ft

Fb = 50 Hz

QL = 7

F3 = 61.4 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 6.515 in

Driver Properties

--Description--

Name: KappaPro15LF-2C

Type: Standard one-way driver

Comment: 4 ohm 15" Cast Frame Woofer

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 37.43 Hz

Qms = 10

Vas = 183.2 liters

Cms = 0.18 mm/N

Mms = 98.92 g

Rms = 2.33 kg/s

Xmax = 7.9 mm

Xmech = 18 mm

P-Dia = 328.3 mm

Sd = 856.3 sq.cm

P-Vd = 0.669 liters

--Electrical Parameters--

Qes = 0.33

Re = 3.34 ohms

Le = 0.94 mH

Z = 4 ohms

BL = 15.4 Tm

Pe = 600 watts

--Electromech. Parameters--

Qts = 0.32

no = 2.807 %

1-W SPL = 96.63 dB

2.83-V SPL = 100.4 dB

