

KappaLite3015LF 2x15 PA Subwoofer System

By Jerry McNutt, Eminence Speaker LLC

Thermally Limited to 900 Watts; F3 of 41 Hz. Use a steep high pass filter set to 35 Hz.



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 12 cu.ft

V(total) = 13.51 cu.ft

Fb = 44 Hz

QL = 7

F3 = 41.01 Hz

Fill = minimal

--Vents--

No. of Vents = 6

Vent shape = round

Vent ends = one flush

Dv = 6 in

Lv = 11.08 in

Driver Properties

--Description--

Name: KappaLite3015LF

Type: Standard one-way driver

Comment: Updated Sept 2009

--Configuration--

No. of Drivers = 2

Mounting = Standard

Wiring = Parallel

Drivers sum coherently = Yes

--Driver Parameters--

Fs = 43.65 Hz

Qms = 8.97

Vas = 5.329 cu.ft [10.66]

Xmax = 0.378 in

Sd = 136.6 sq.in [273.1]

Qes = 0.48

Re = 5.47 ohms [2.735]

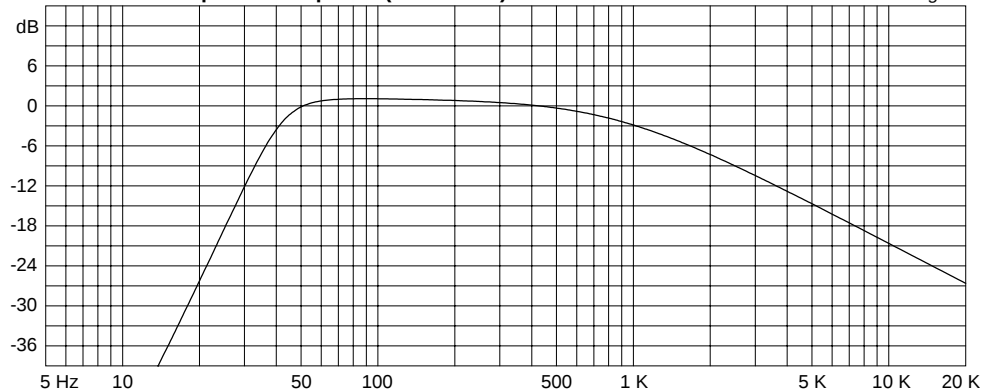
Le = 0.93 mH [0.465]

Z = 8 ohms [4]

Pe = 450 watts [900]

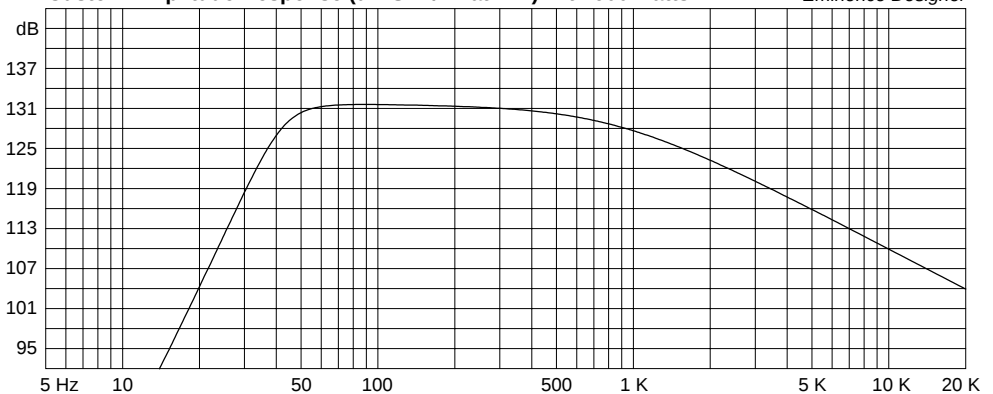
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



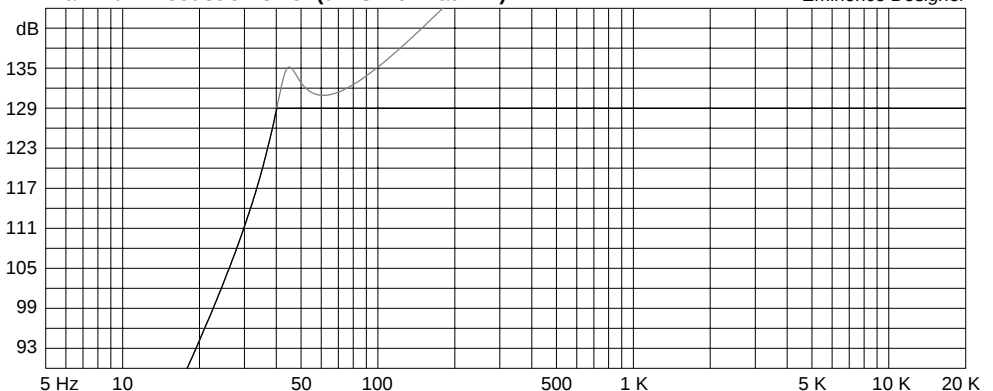
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 900 watts

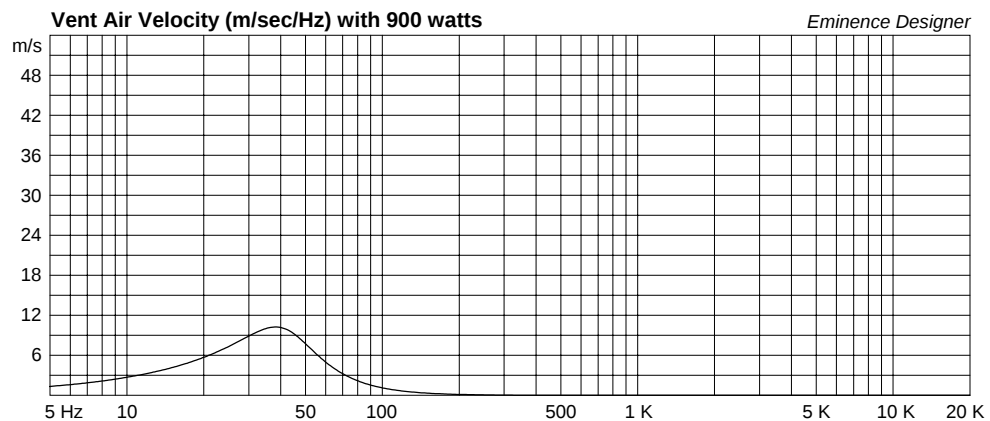
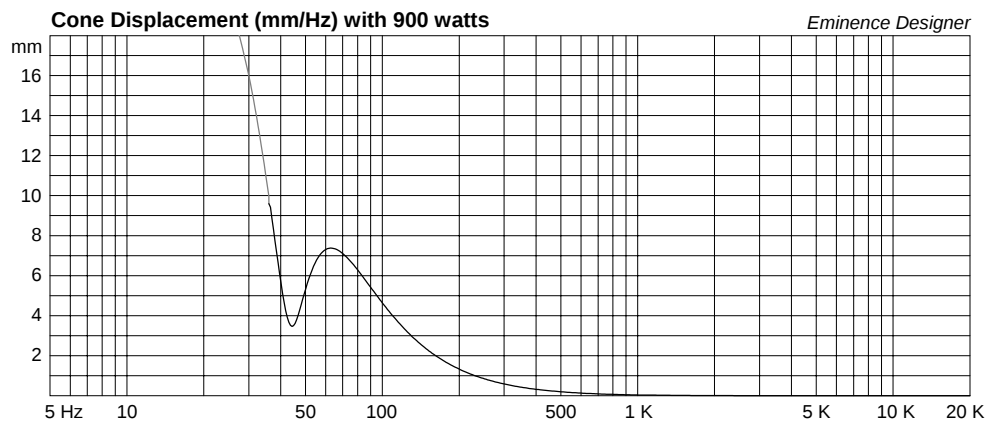
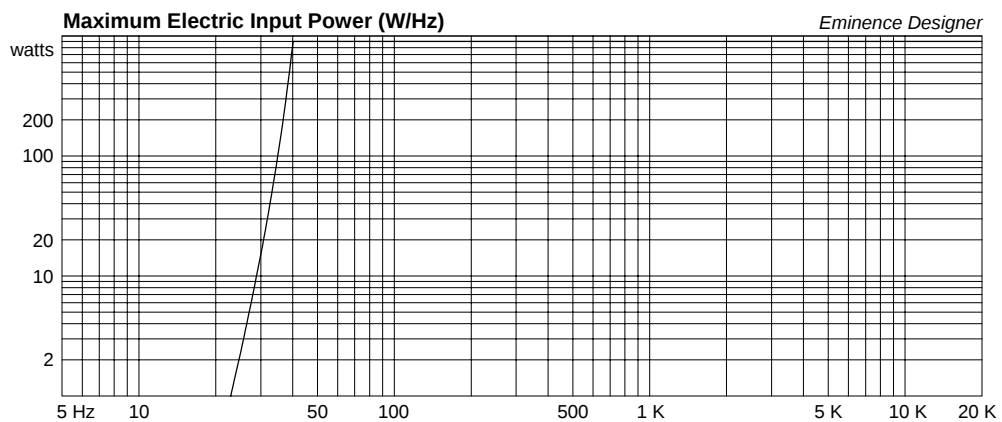
Eminence Designer

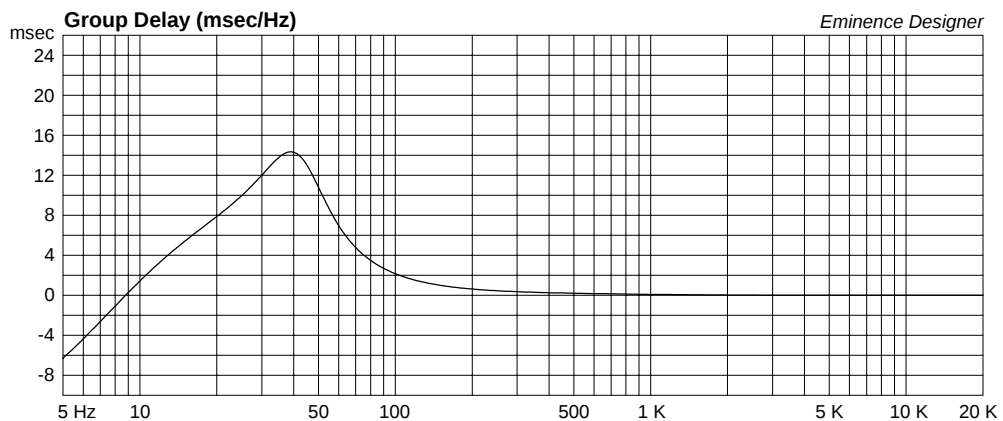
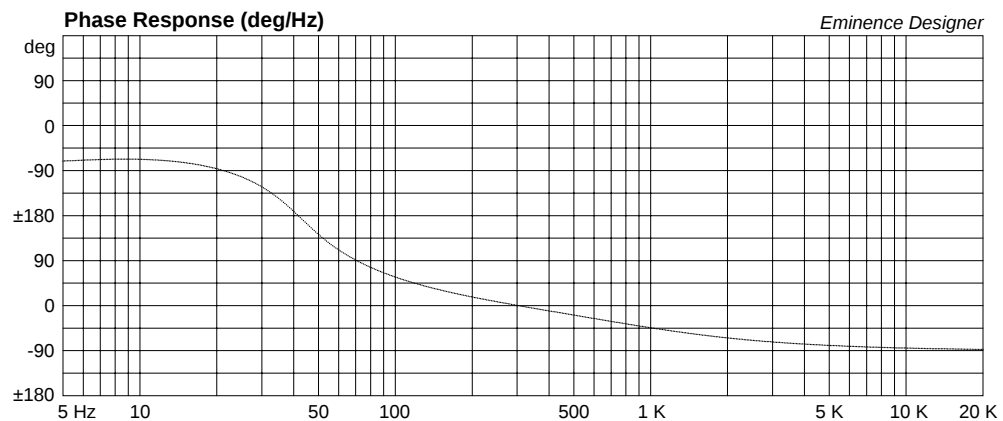
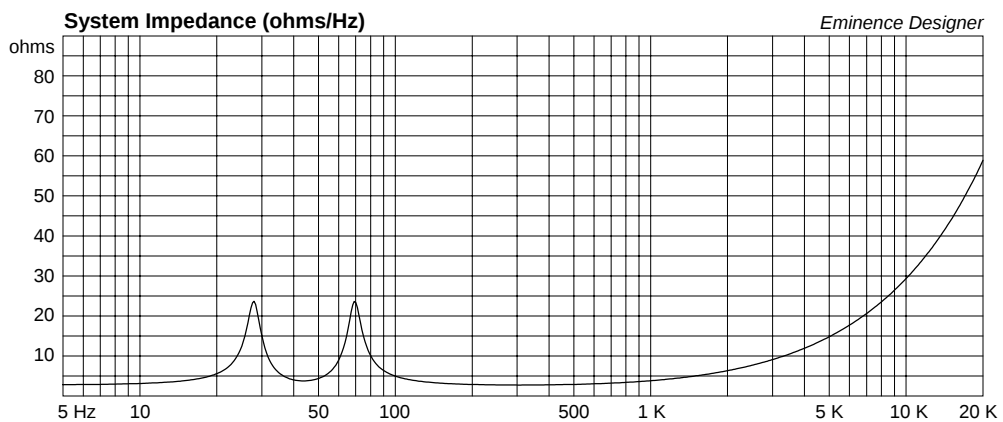


Maximum Acoustic Power (dB-SPL/Hz at 1 m)

Eminence Designer







KappaLite 3015LF Med Vented PA Subwoofer Cabine

By Jerry McNutt, Eminence Speaker LLC

Thermally Limited to 450 Watts; F3 of 47 Hz. Use a steep high pass filter set to 35 Hz.



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Cube

--Box Parameters--

Vb = 4.091 cu.ft

V(total) = 4.672 cu.ft

Fb = 44 Hz

QL = 7

F3 = 47.46 Hz

Fill = minimal

--Vents--

No. of Vents = 4

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 12.13 in

Driver Properties

--Description--

Name: KappaLite 3015LF

Type: Standard one-way driver

Comment: Updated Sept 2009

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 43.65 Hz

Qms = 8.97

Vas = 5.329 cu.ft

Xmax = 0.378 in

Sd = 136.6 sq.in

Qes = 0.48

Re = 5.47 ohms

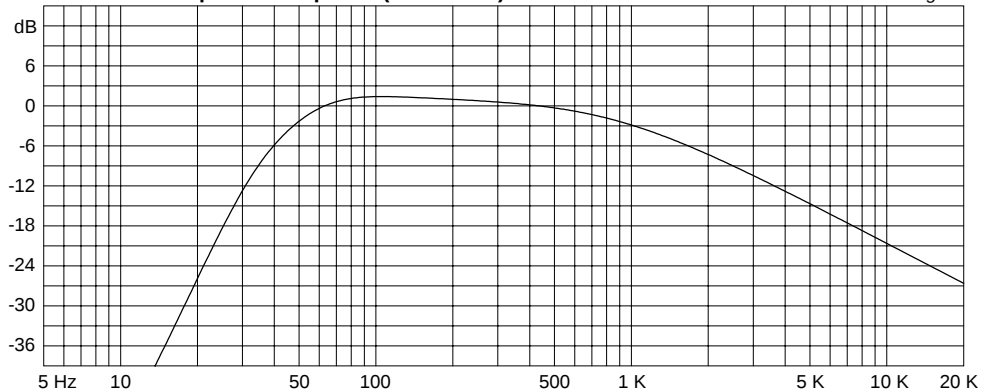
Le = 0.93 mH

Z = 8 ohms

Pe = 450 watts

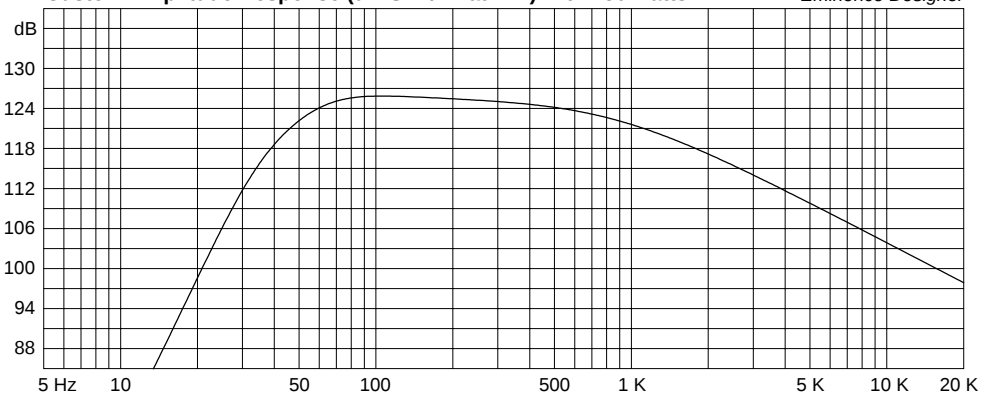
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



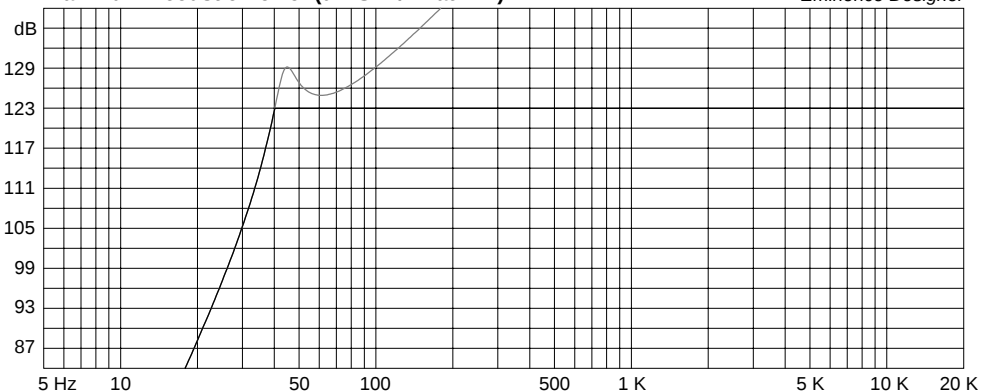
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 450 watts

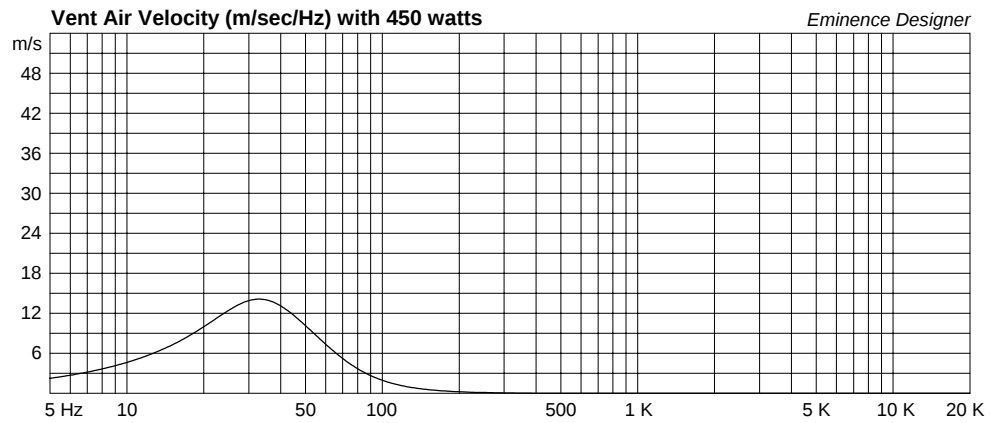
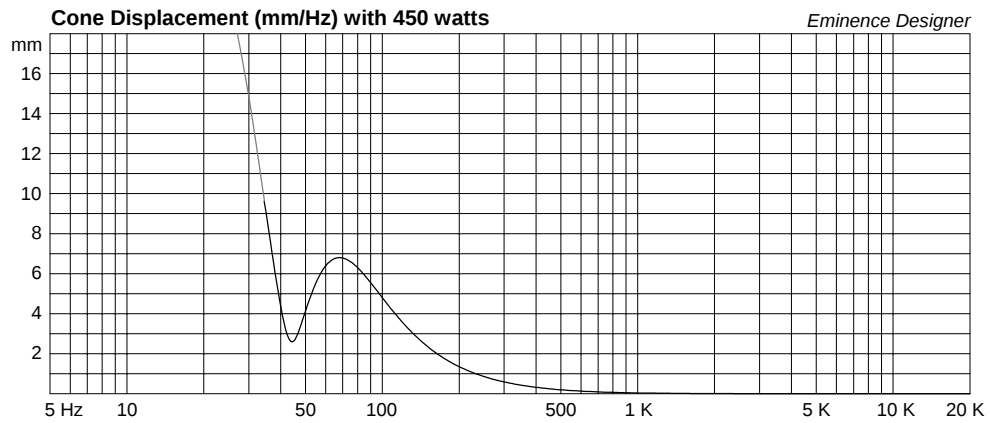
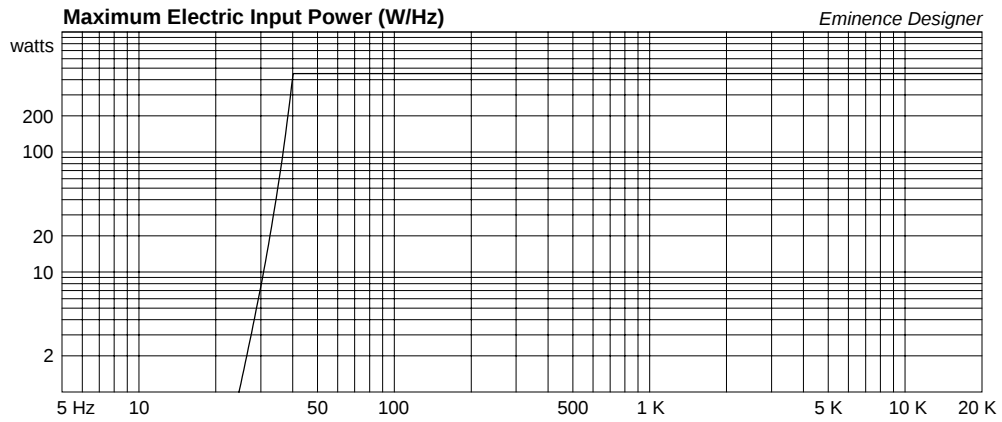
Eminence Designer

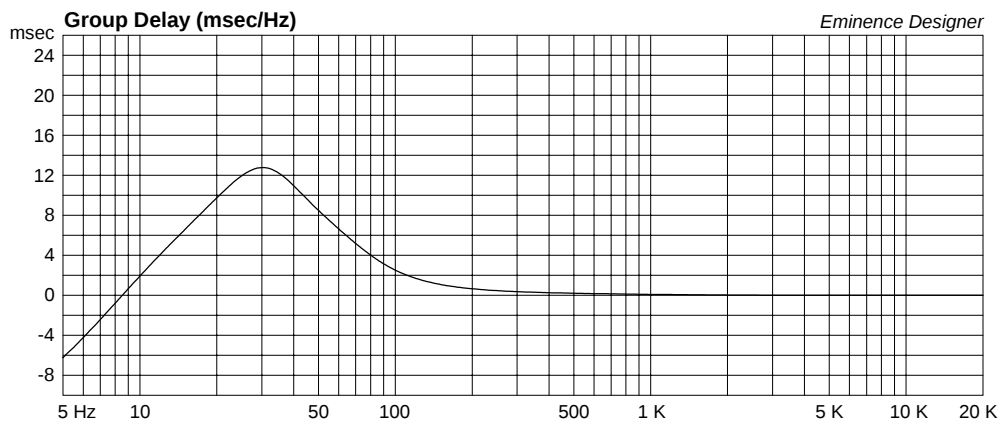
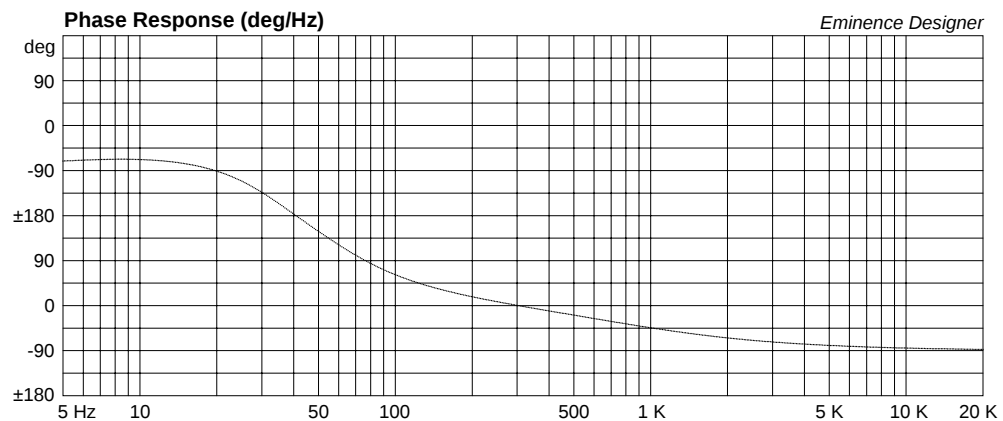
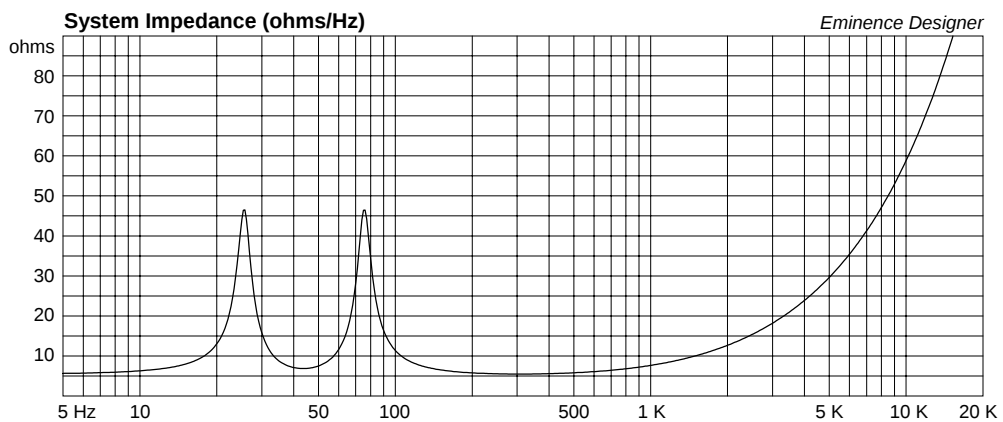


Maximum Acoustic Power (dB-SPL/Hz at 1 m)

Eminence Designer







KappaLite 3015LF Larger PA Subwoofer Cabinet

By Jerry McNutt, Eminence Speaker LLC

Thermally Limited to 450 Watts; F3 of 43 Hz. Use a steep high pass filter set to 35 Hz.



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Cube

--Box Parameters--

Vb = 5.11 cu.ft

V(total) = 5.574 cu.ft

Fb = 44 Hz

QL = 7

F3 = 43.16 Hz

Fill = minimal

--Vents--

No. of Vents = 4

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 8.585 in

Driver Properties

--Description--

Name: KappaLite 3015LF

Type: Standard one-way driver

Comment: Updated Sept 2009

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 43.65 Hz

Qms = 8.97

Vas = 5.329 cu.ft

Xmax = 0.378 in

Sd = 136.6 sq.in

Qes = 0.48

Re = 5.47 ohms

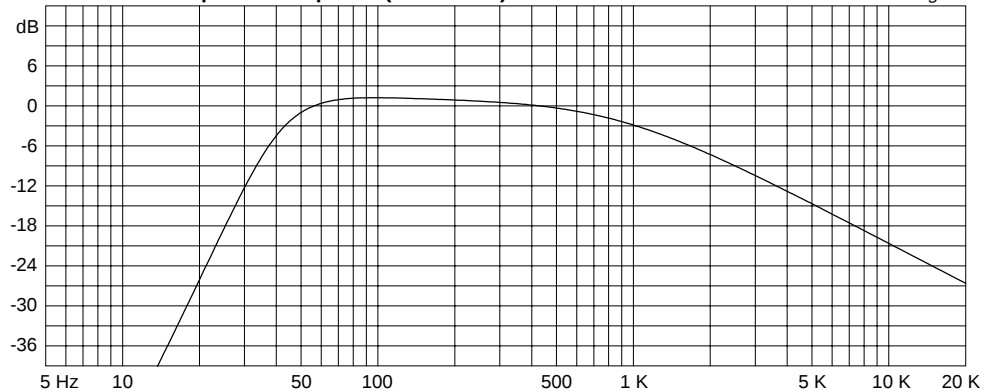
Le = 0.93 mH

Z = 8 ohms

Pe = 450 watts

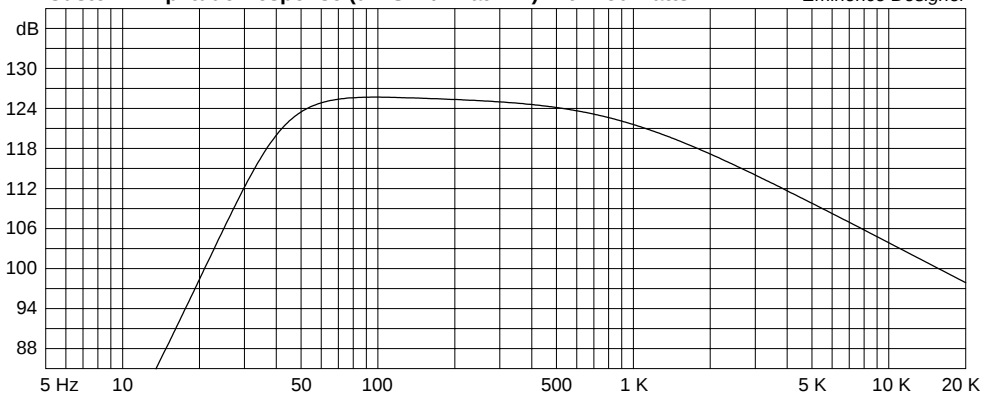
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



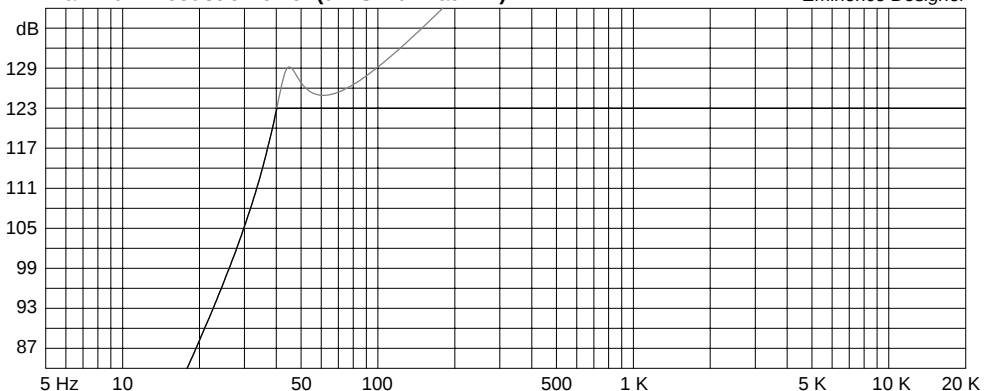
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 450 watts

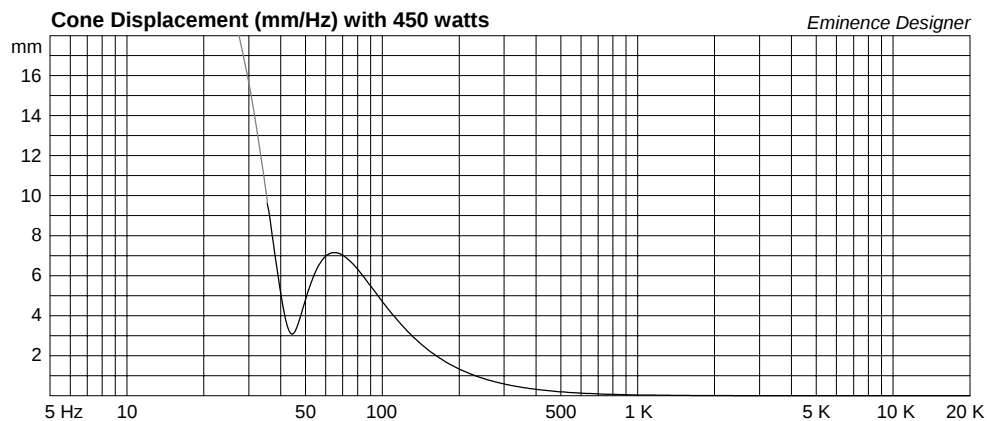
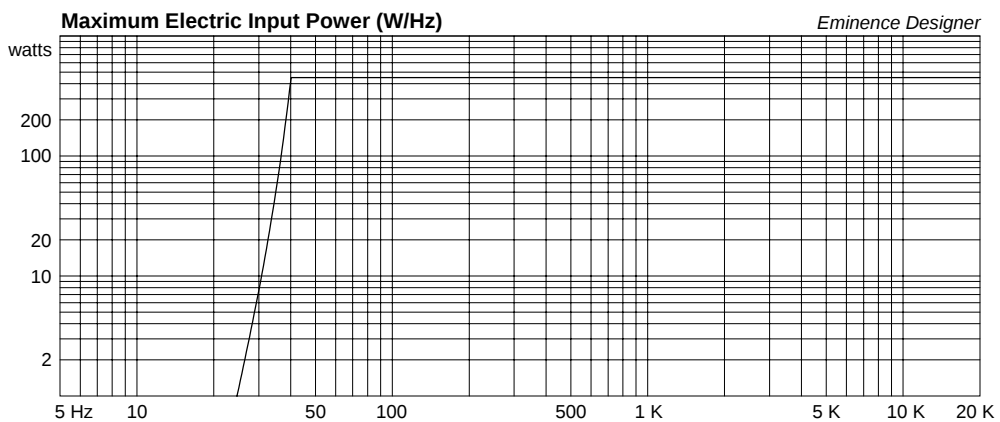
Eminence Designer

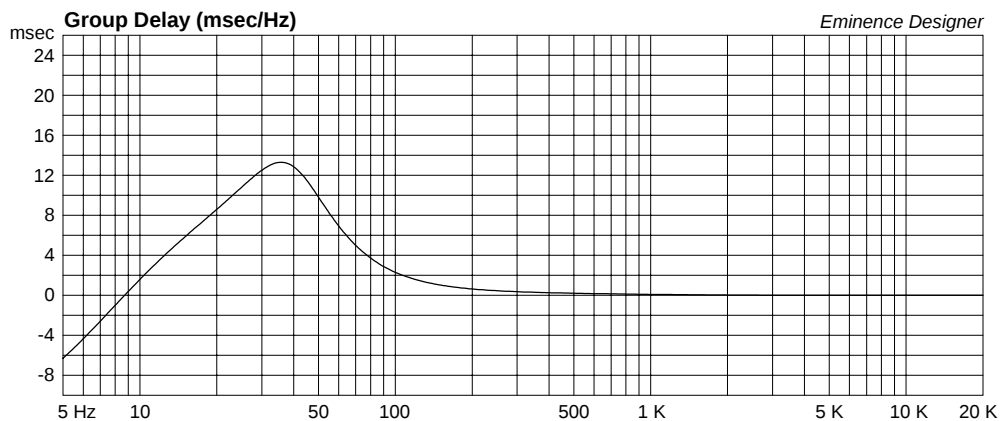
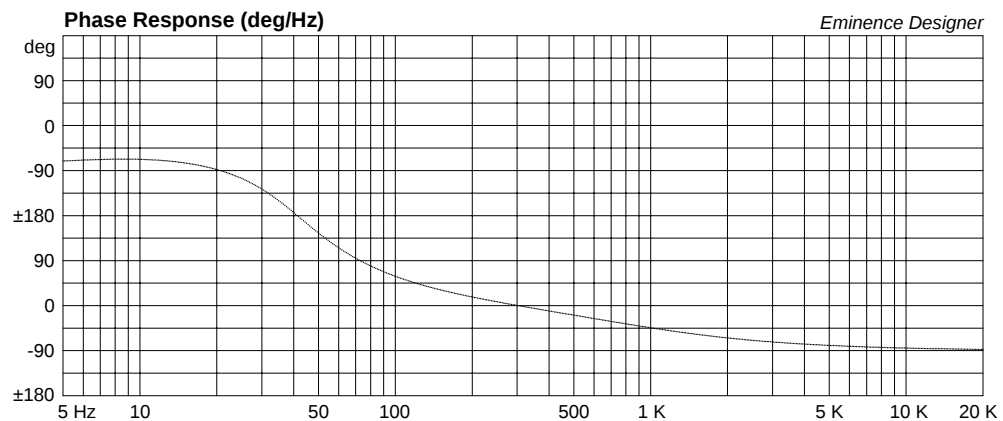
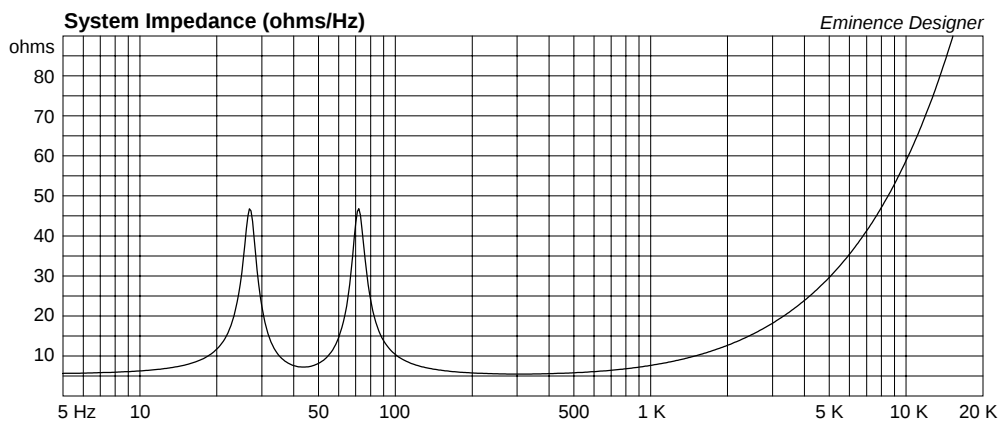


Maximum Acoustic Power (dB-SPL/Hz at 1 m)

Eminence Designer







KappaLite 3015LF Subwoofer Design

By Jerry McNutt, Eminence Speaker LLC

Limited to 400 Watts; F3 of 40 Hz. Use a steep high pass filter set to 30 Hz.



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Cube

--Box Parameters--

Vb = 6.132 cu.ft

V(total) = 6.651 cu.ft

Fb = 38 Hz

QL = 7

F3 = 40.35 Hz

Fill = minimal

--Vents--

No. of Vents = 4

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 10.25 in

Driver Properties

--Description--

Name: KappaLite 3015LF

Type: Standard one-way driver

Comment: Updated Sept 2009

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 43.65 Hz

Qms = 8.97

Vas = 5.329 cu.ft

Xmax = 0.378 in

Sd = 136.6 sq.in

Qes = 0.48

Re = 5.47 ohms

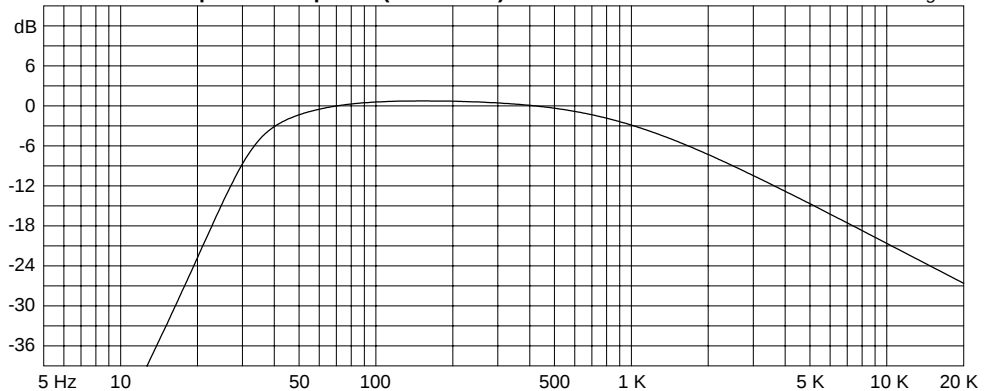
Le = 0.93 mH

Z = 8 ohms

Pe = 450 watts

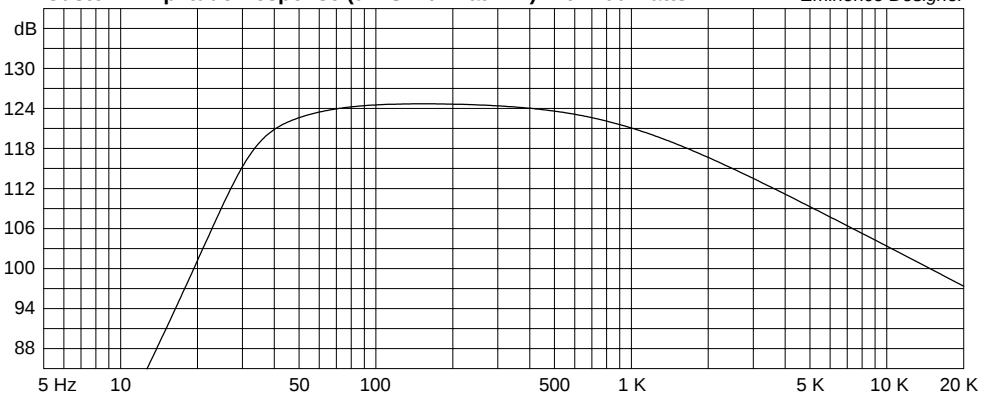
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



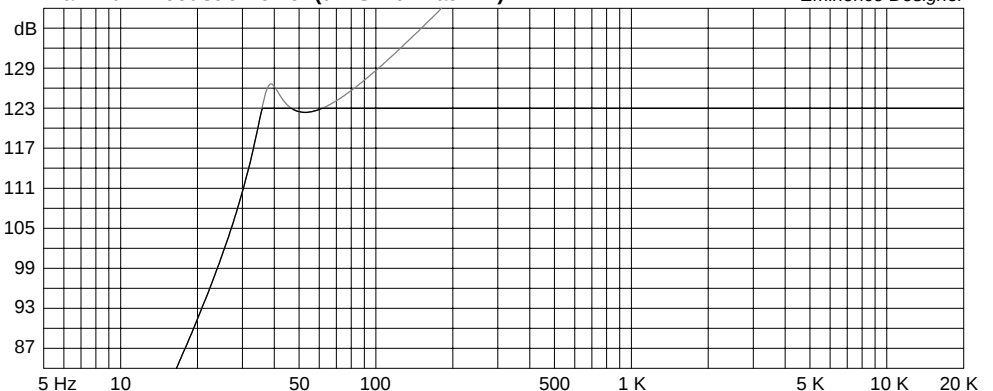
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 400 watts

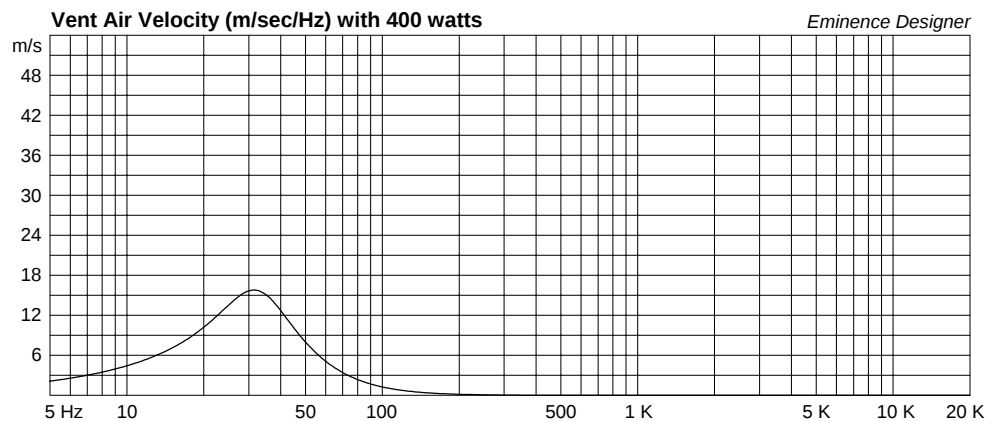
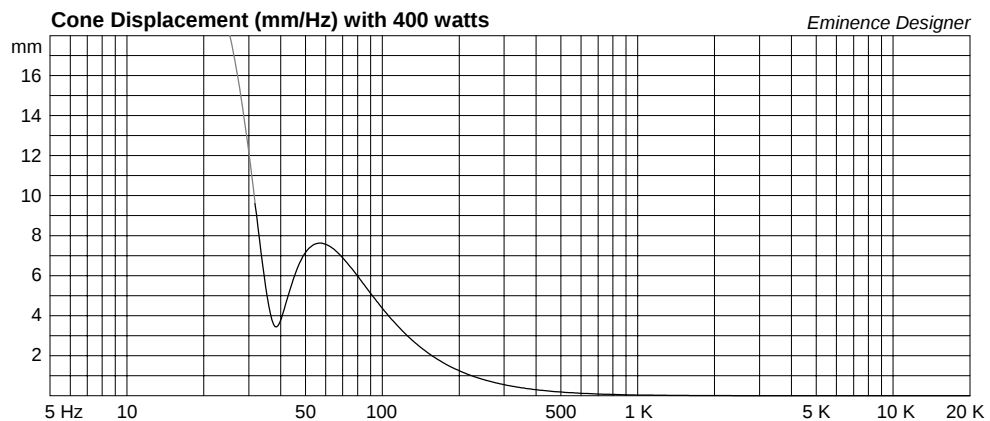
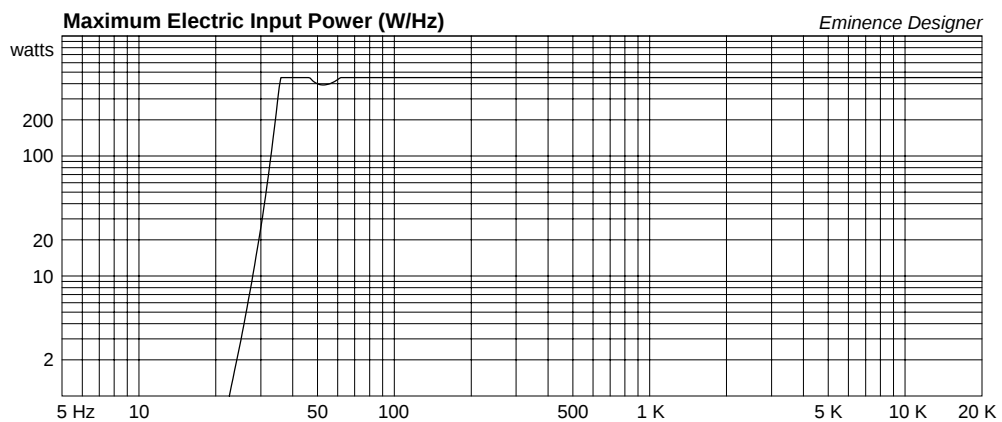
Eminence Designer

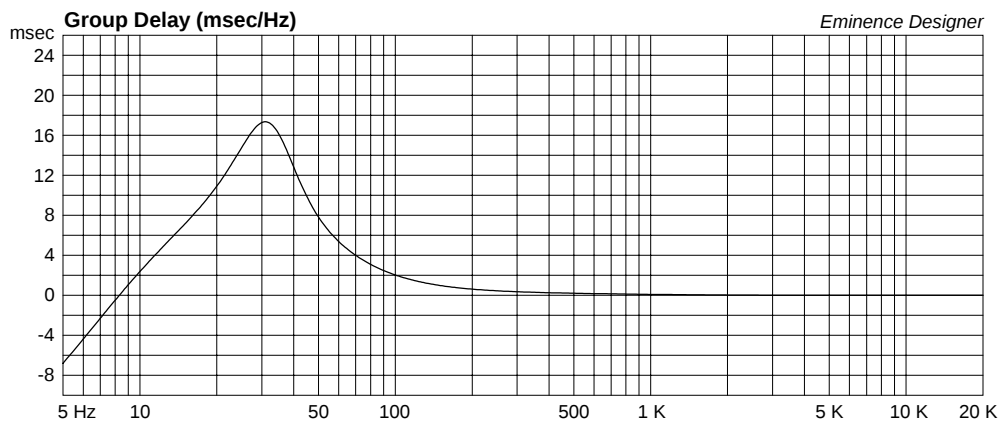
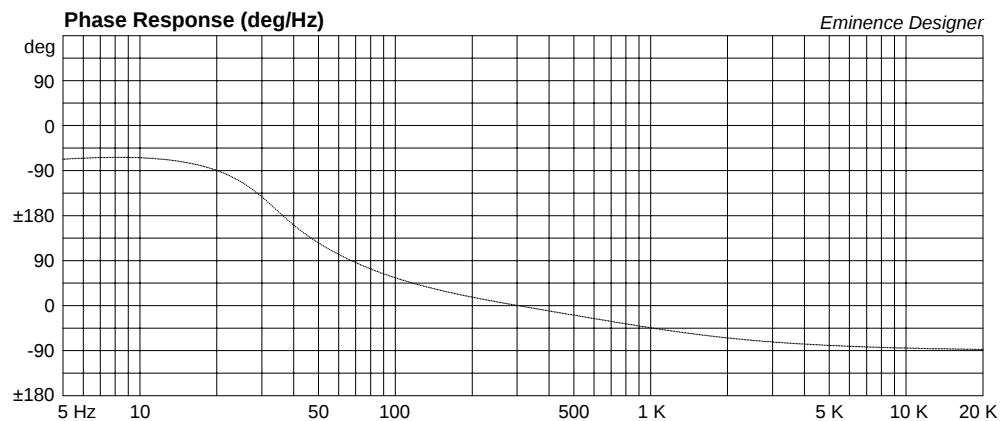
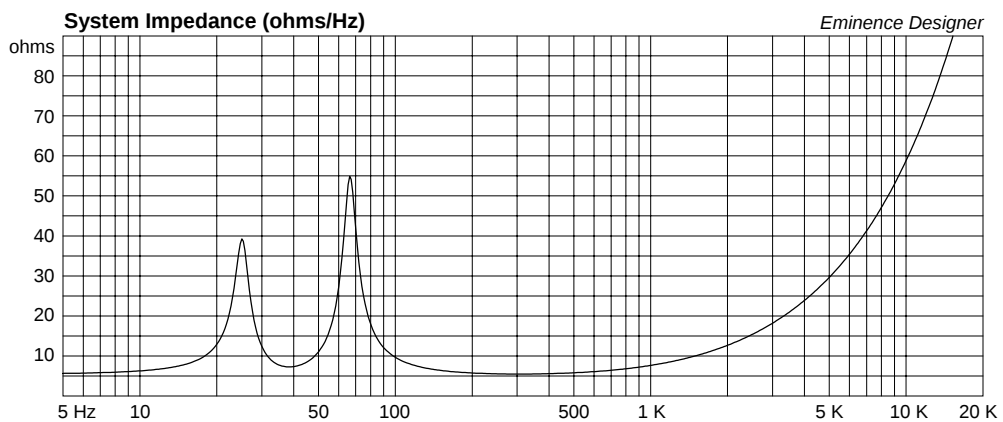


Maximum Acoustic Power (dB-SPL/Hz at 1 m)

Eminence Designer







KappaLite 3015LF Small Hi Pwr PA or Bass Guitar Ca

By Jerry McNutt, Eminence Speaker LLC

Thermally Limited to 450 Watts; F3 of 52 Hz. Use a steep High Pass filter set to 40 Hz.



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Cube

--Box Parameters--

Vb = 3.2 cu.ft

V(total) = 3.606 cu.ft

Fb = 50 Hz

QL = 7

F3 = 52.49 Hz

Fill = minimal

--Vents--

No. of Vents = 4

Vent shape = round

Vent ends = one flush

Dv = 3.5 in

Lv = 8.534 in

Driver Properties

--Description--

Name: KappaLite 3015LF

Type: Standard one-way driver

Comment: Updated Sept 2009

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 43.65 Hz

Qms = 8.97

Vas = 5.329 cu.ft

Xmax = 0.378 in

Sd = 136.6 sq.in

Qes = 0.48

Re = 5.47 ohms

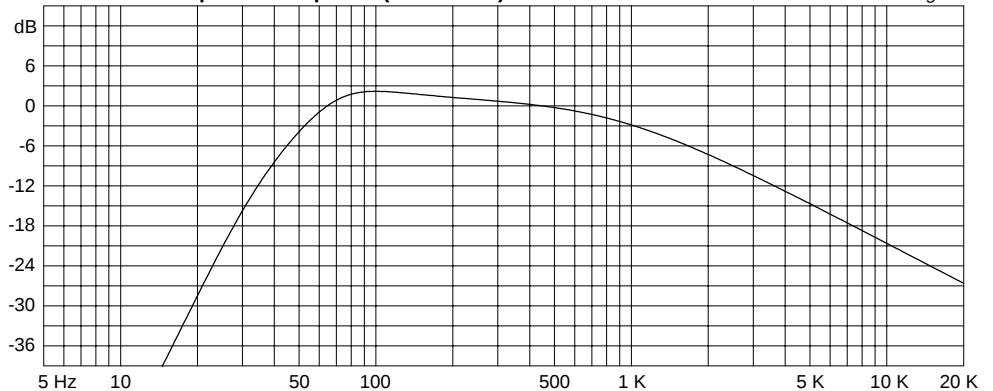
Le = 0.93 mH

Z = 8 ohms

Pe = 450 watts

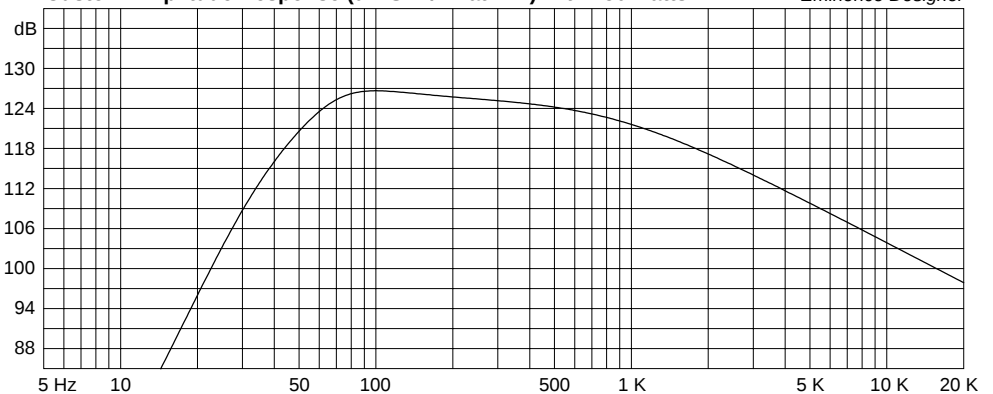
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



Custom Amplitude Response (dB-SPL/Hz at 1 m) with 450 watts

Eminence Designer



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

Eminence Designer

