

KappaLite 3015LF 2x15 Hi Pwr PA Subwoofer Cabinet

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 = 40.98 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:

Type: Standard one-way driver

Comment: New Driver for 2006

--Configuration--

No. of Drivers = 2

Mounting = Standard

Wiring = Parallel

Drivers sum coherently = Yes

--Driver Parameters--

Fs = 41.8 Hz

Qms = 6.82

Vas = 158.9 liters [317.7]

Xmax = 9.6 mm

Sd = 881.1 sq.cm [1762]

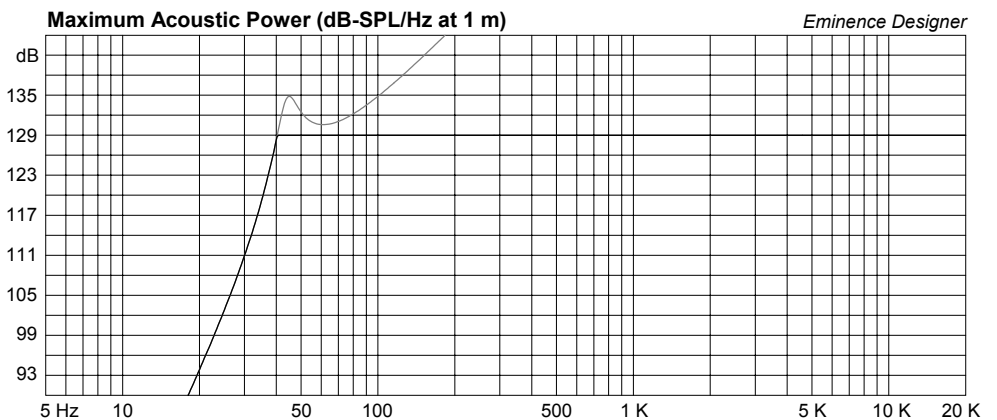
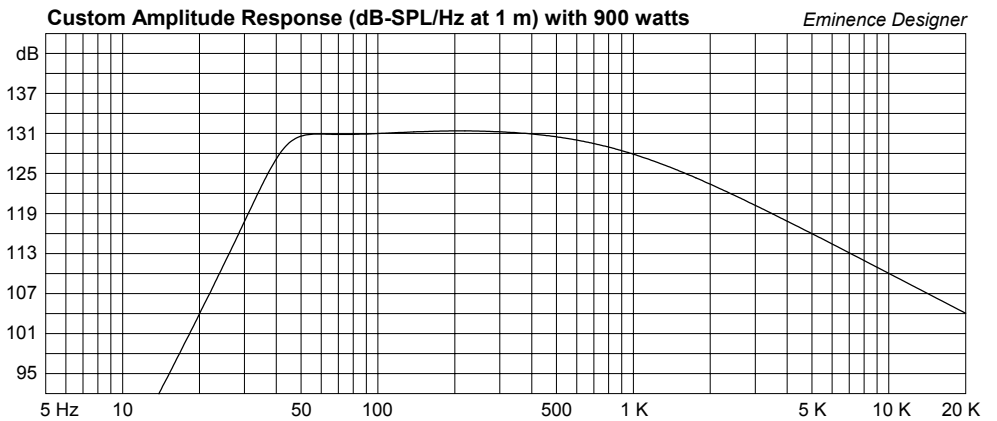
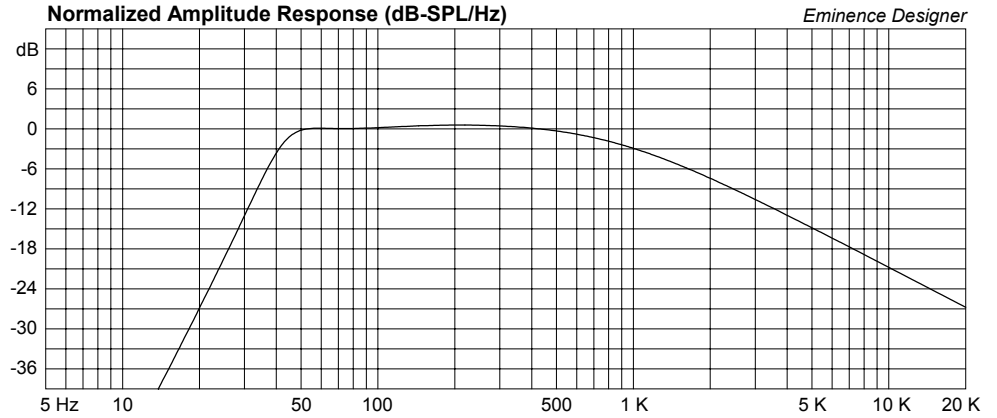
Qes = 0.41

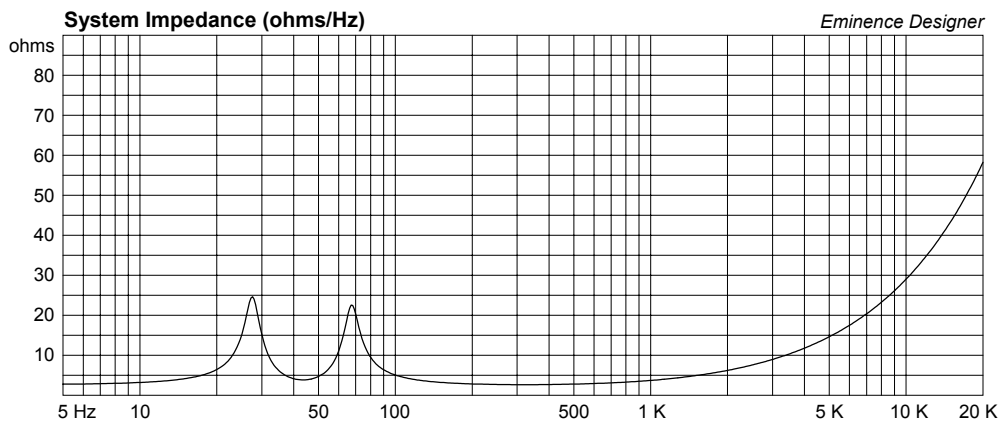
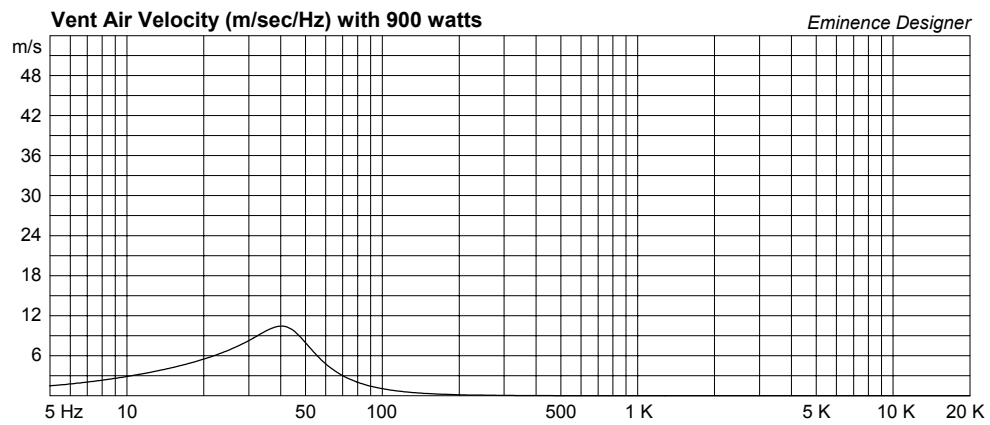
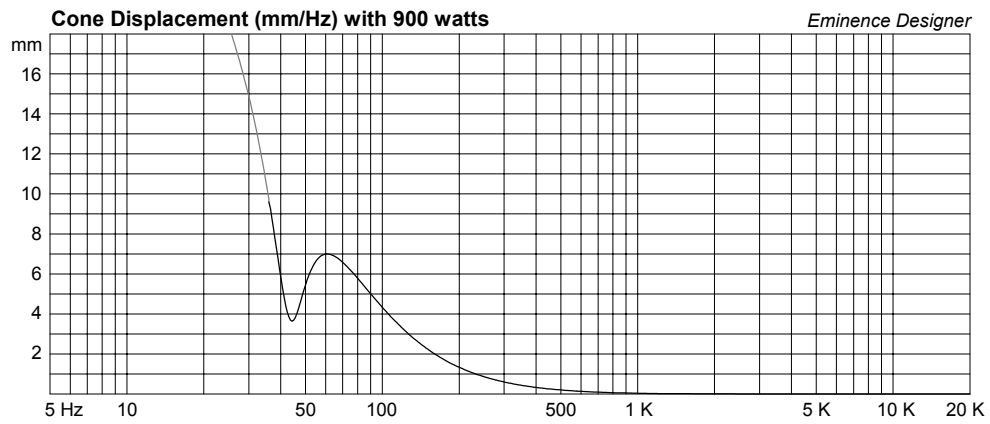
Re = 5.31 ohms [2.655]

Le = 0.92 mH [0.46]

Z = 8 ohms [4]

Pe = 450 watts [900]





KappaLite 3015LF Extended Bass Shelf PA Subwoofer

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 = 39.77 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:

Type: Standard one-way driver

Comment: New Driver For 2006

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 41.8 Hz

Qms = 6.82

Vas = 158.9 liters

Xmax = 9.6 mm

Sd = 881.1 sq.cm

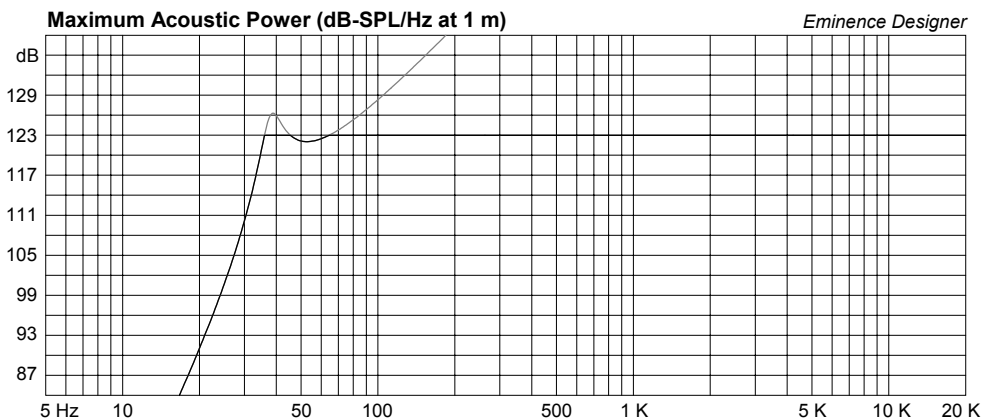
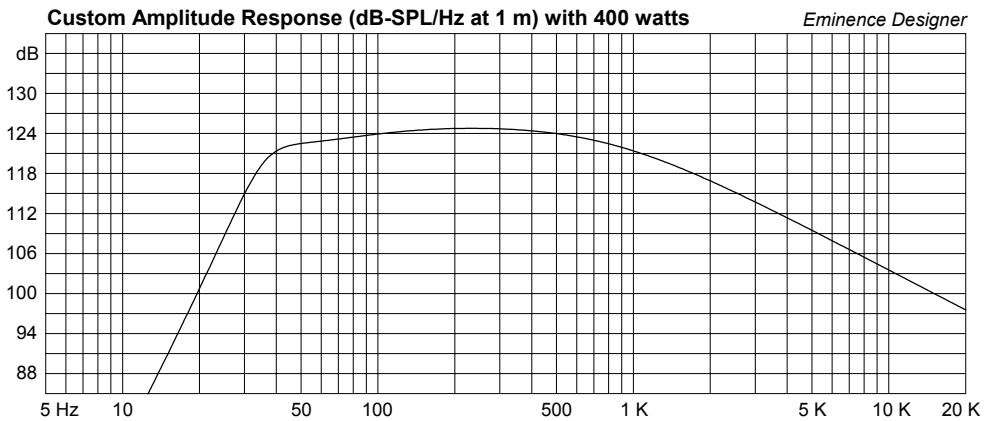
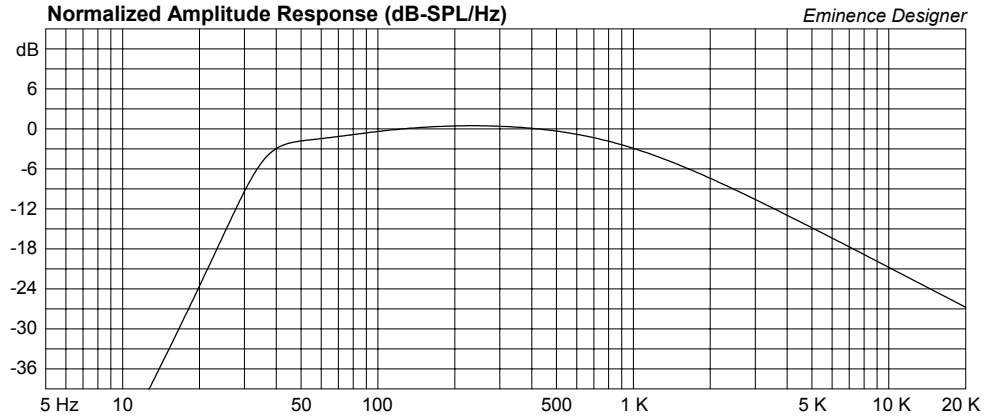
Qes = 0.41

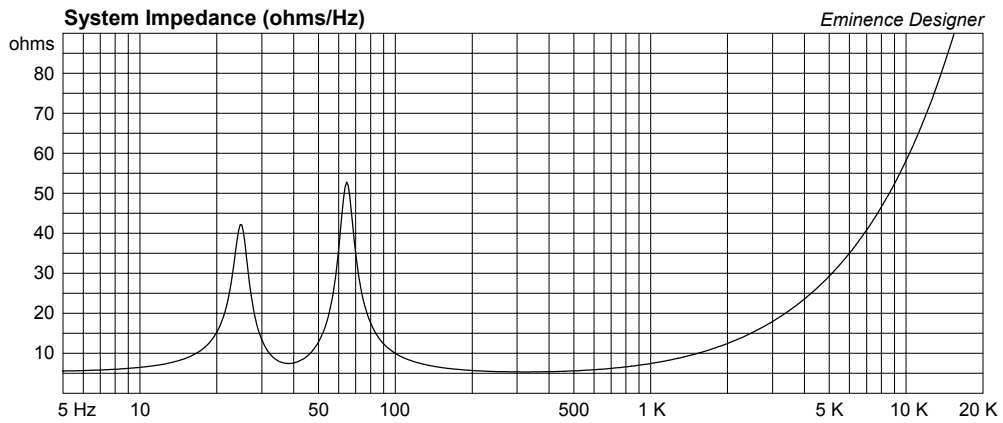
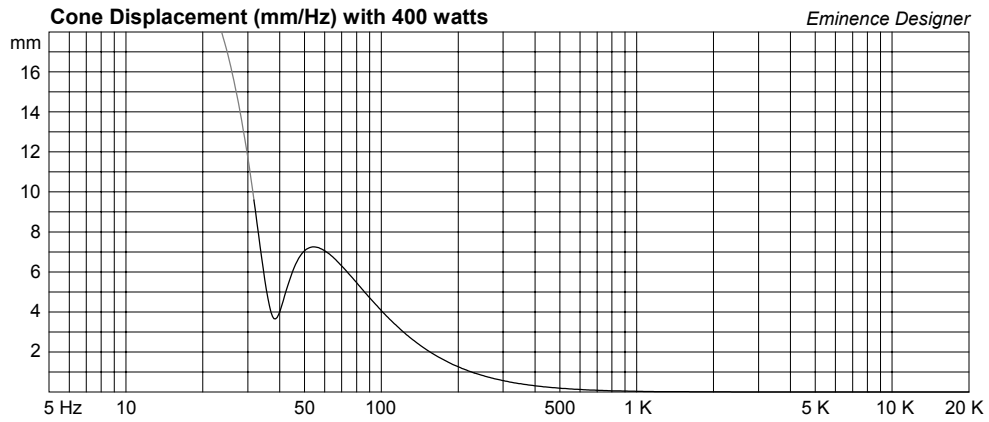
Re = 5.31 ohms

Le = 0.92 mH

Z = 8 ohms

Pe = 450 watts





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 = 42.81 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:

Type: Standard one-way driver

Comment: New Driver For 2006

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 41.8 Hz

Qms = 6.82

Vas = 158.9 liters

Xmax = 9.6 mm

Sd = 881.1 sq.cm

Qes = 0.41

Re = 5.31 ohms

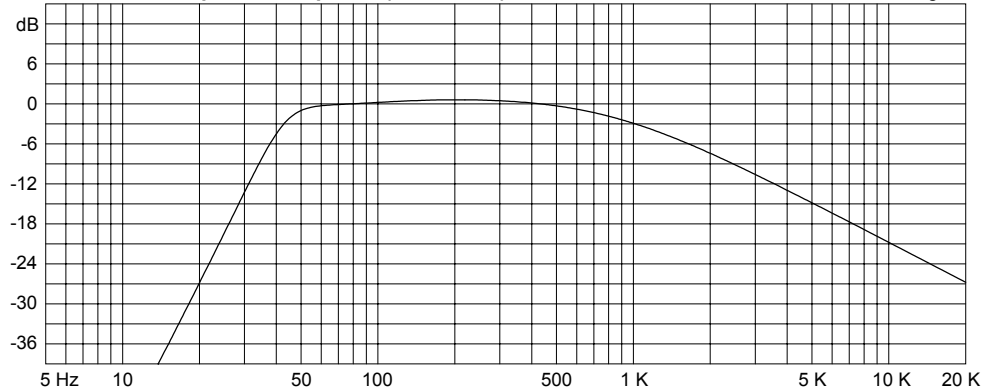
Le = 0.92 mH

Z = 8 ohms

Pe = 450 watts

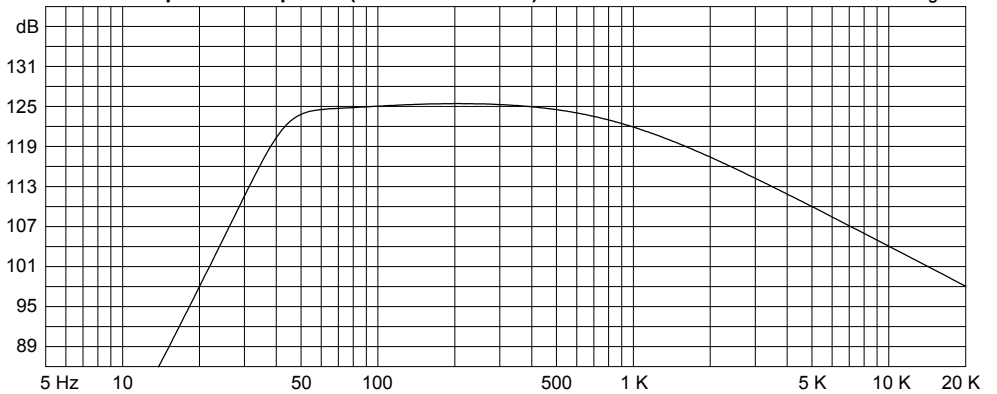
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



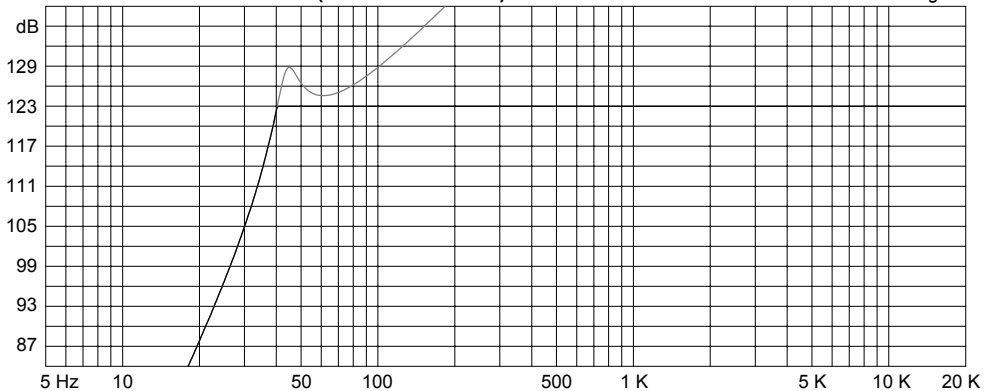
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 450 watts

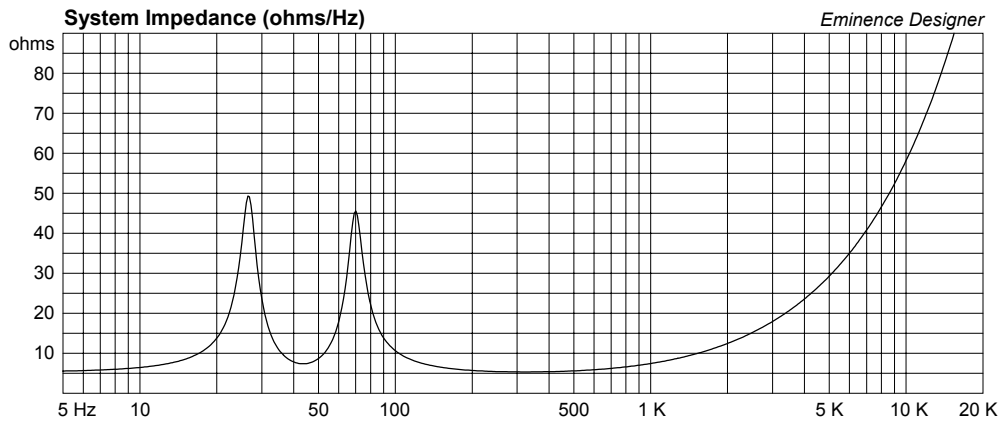
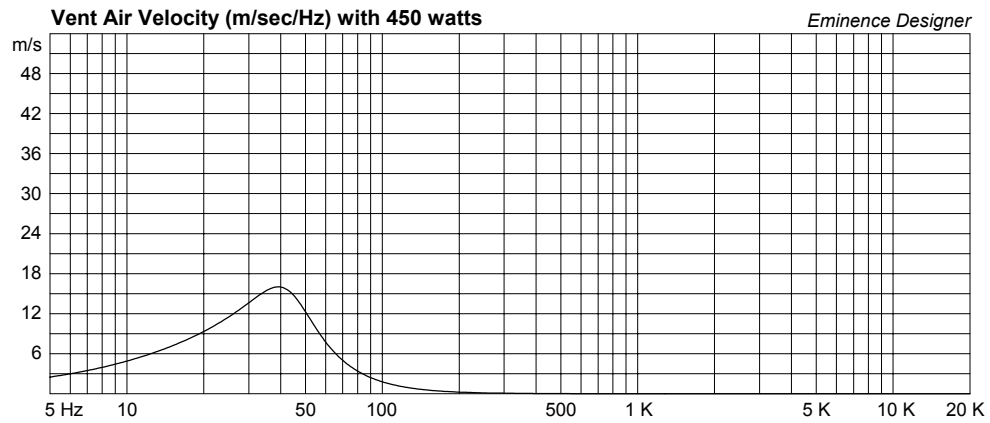
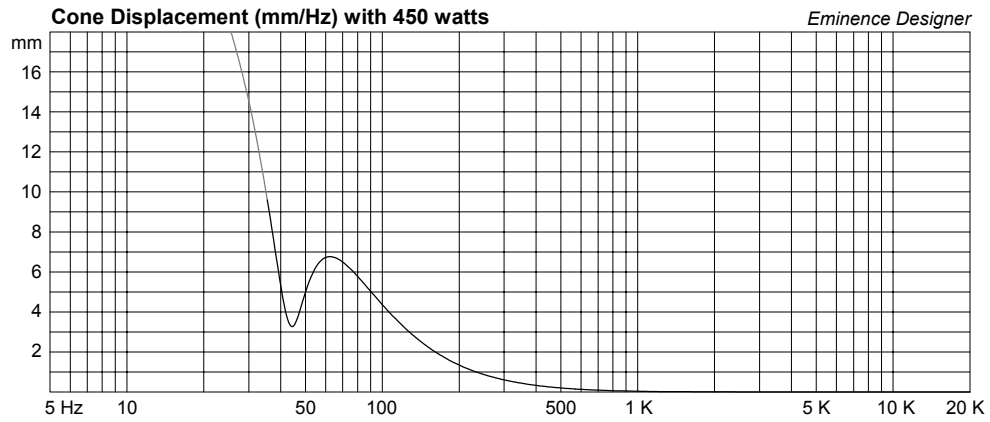
Eminence Designer



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

Eminence Designer





KappaLite 3015LF Med Vented PA Subwoofer Cabinet

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 = 46.7 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:

Type: Standard one-way driver

Comment: New Driver For 2006

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 41.8 Hz

Qms = 6.82

Vas = 158.9 liters

Xmax = 9.6 mm

Sd = 881.1 sq.cm

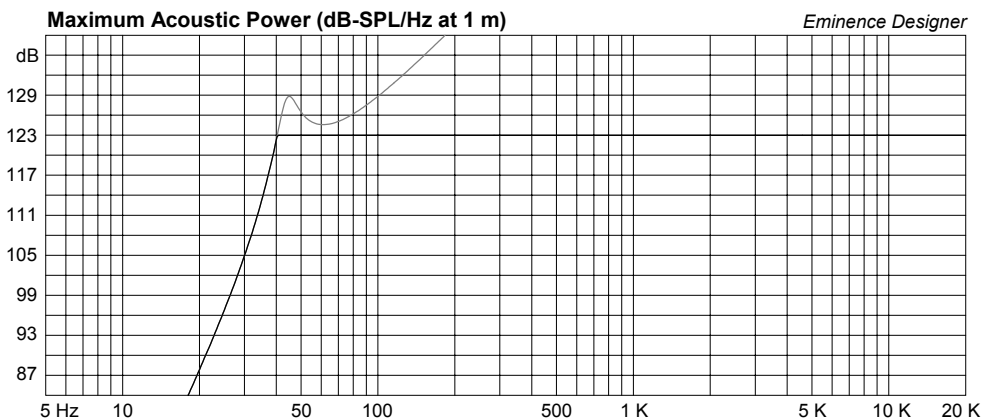
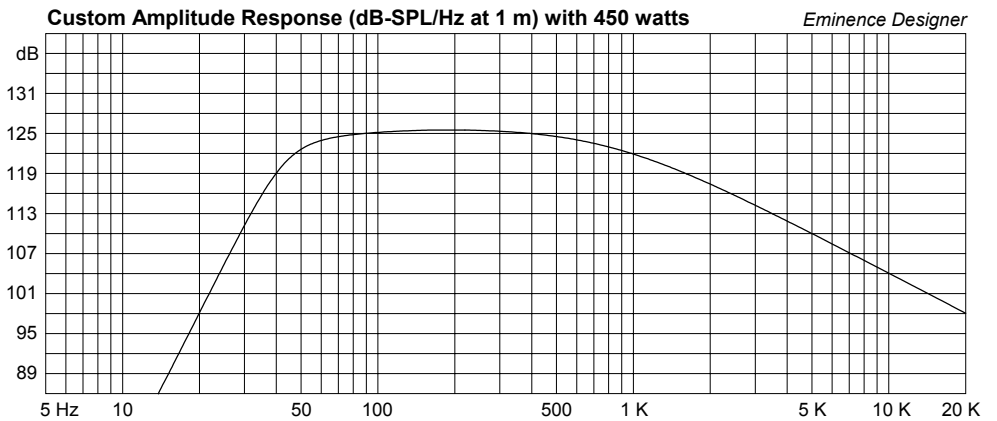
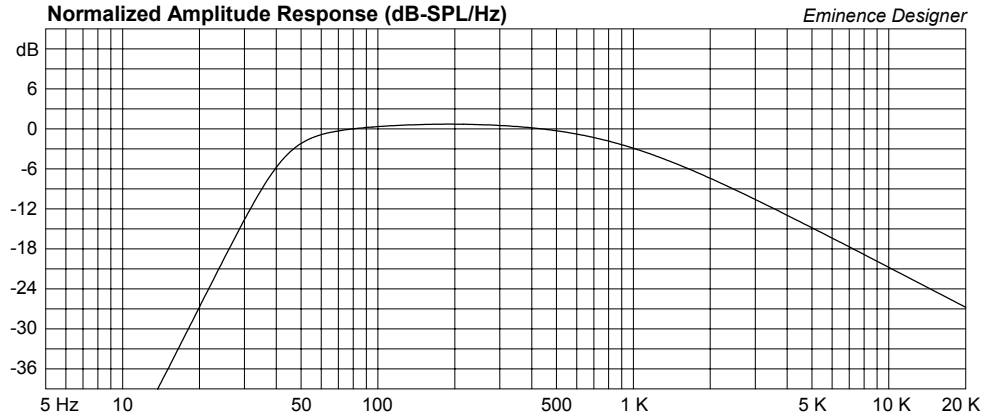
Qes = 0.41

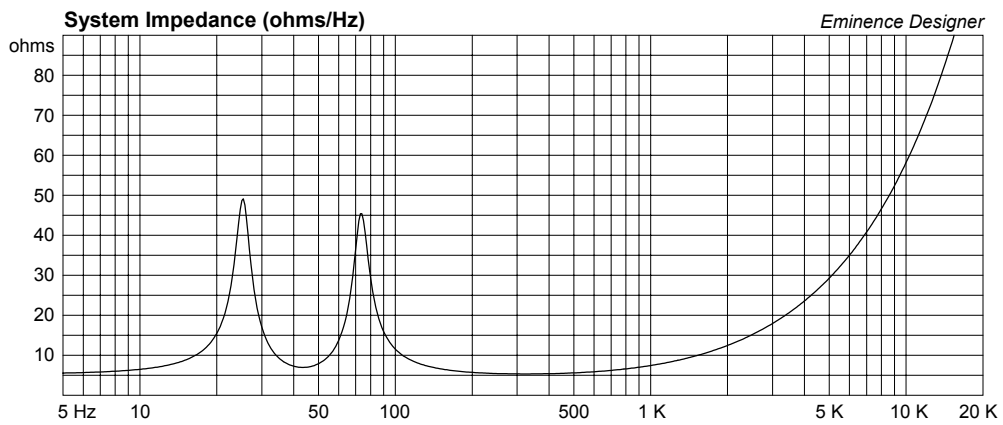
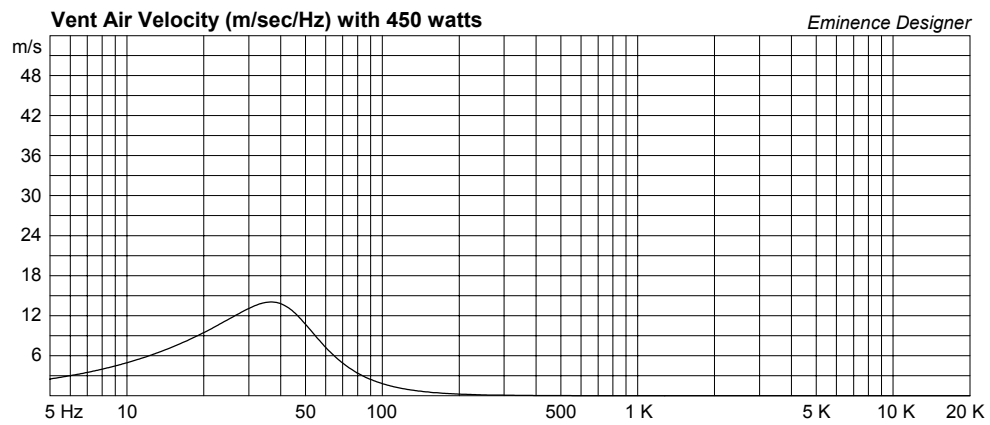
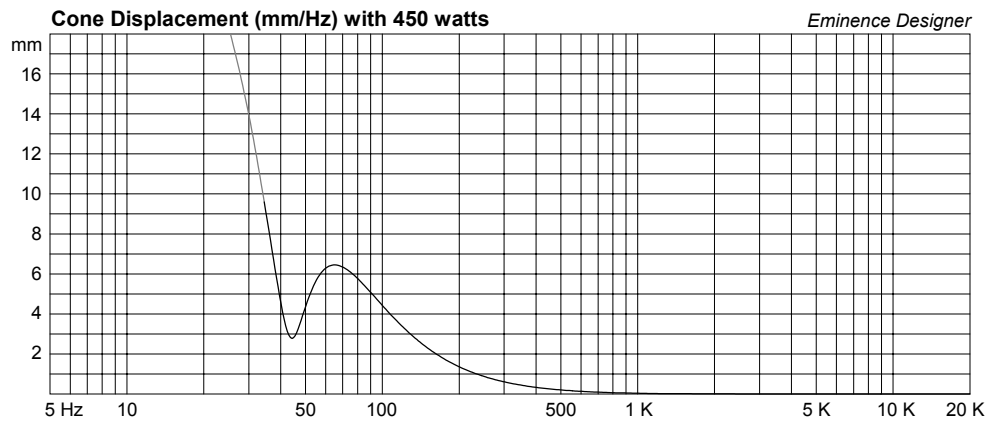
Re = 5.31 ohms

Le = 0.92 mH

Z = 8 ohms

Pe = 450 watts





KappaLite 3015LF Small Hi Pwr PA or Bass Guitar Cabinet

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 = 51.63 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:

Type: Standard one-way driver

Comment: New Driver for 2006

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 41.8 Hz

Qms = 6.82

Vas = 158.9 liters

Xmax = 9.6 mm

Sd = 881.1 sq.cm

Qes = 0.41

Re = 5.31 ohms

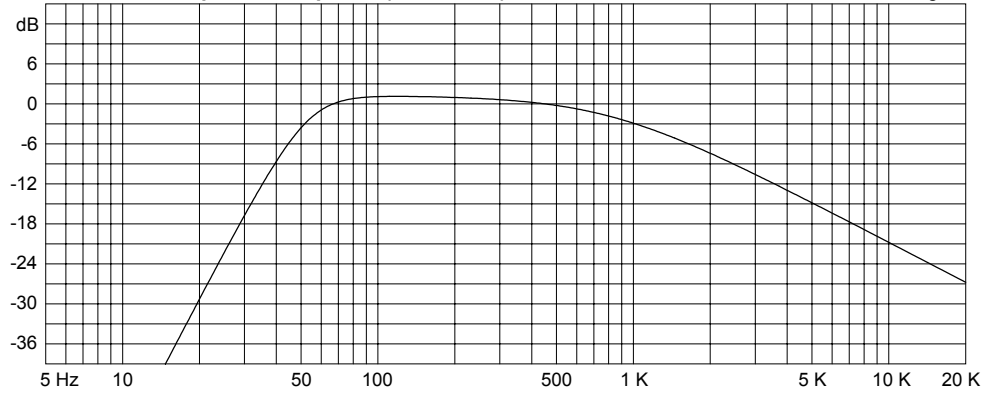
Le = 0.92 mH

Z = 8 ohms

Pe = 450 watts

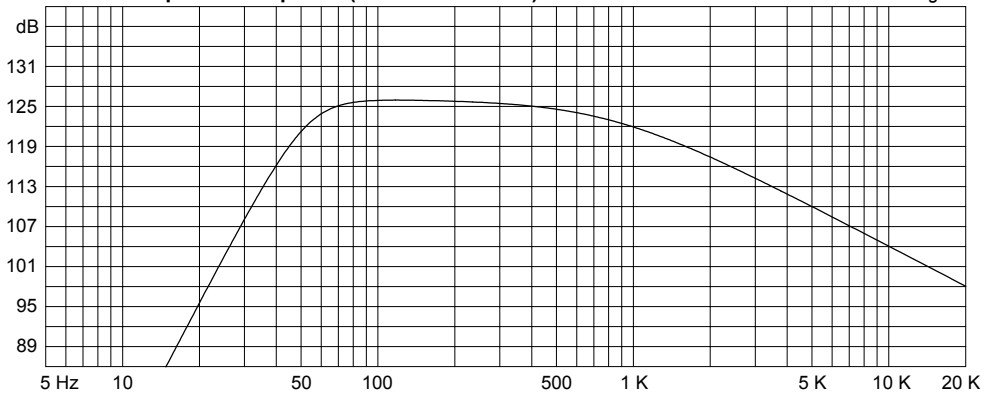
Normalized Amplitude Response (dB-SPL/Hz)

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

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

Eminence Designer

