

# KappaLite 3010MB Small Sealed Midrange

By Jerry McNutt, Eminence Speaker LLC  
Limit to 300 Watts since it is sealed. Use above 220 Hz.  
Med Power 10" Midrange. Simple Sealed Box.



## Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 0.544 cu.ft

V(total) = 0.611 cu.ft

Qtc = 0.39

QL = 20

F3 = 202.1 Hz

Fill = normal

## Driver Properties

--Description--

Name: KappaLite3010MB

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: 10" High Power Neo Midbass

--Configuration--

**No. of Drivers = 1**

--Mechanical Parameters--

Fs = 50.68 Hz

Qms = 6.83

Vas = 52.1 liters

Cms = 0.28 mm/N

Mms = 35.52 g

Rms = 1.66 kg/s

Xmax = 5 mm

Xmech = 7.5 mm

P-Dia = 214.7 mm

Sd = 366.1 sq.cm

P-Vd = 0.181 liters

--Electrical Parameters--

Qes = 0.21

Re = 5.01 ohms

Le = 0.68 mH

Z = 8 ohms

BL = 16.51 Tm

Pe = 400 watts

--Electromech. Parameters--

Qts = 0.204

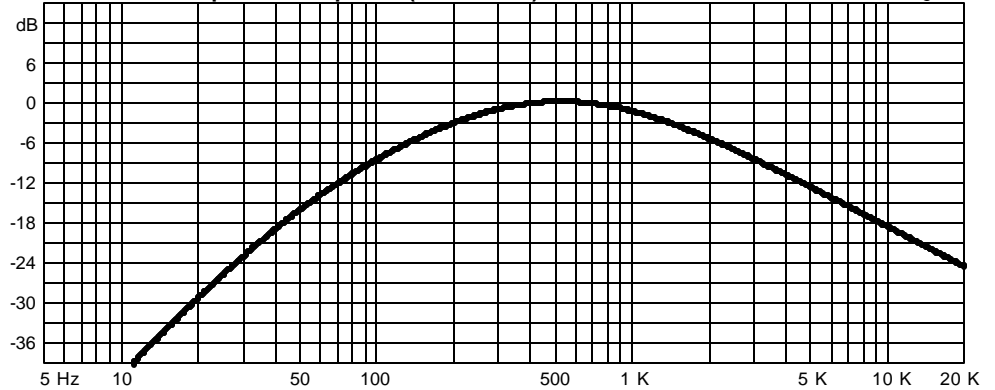
no = 3.114 %

1-W SPL = 97.08 dB

2.83-V SPL = 99.11 dB

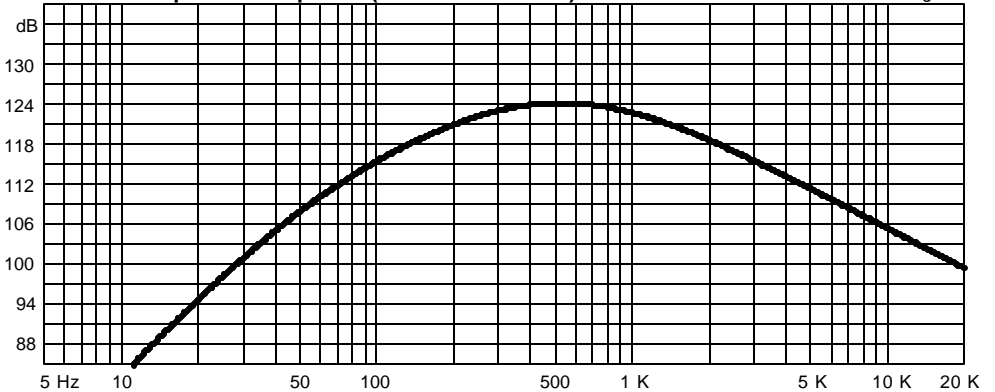
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



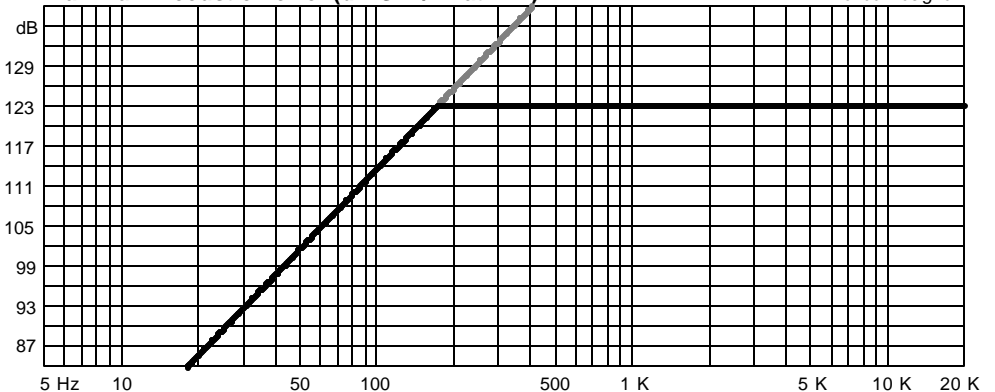
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 300 watts

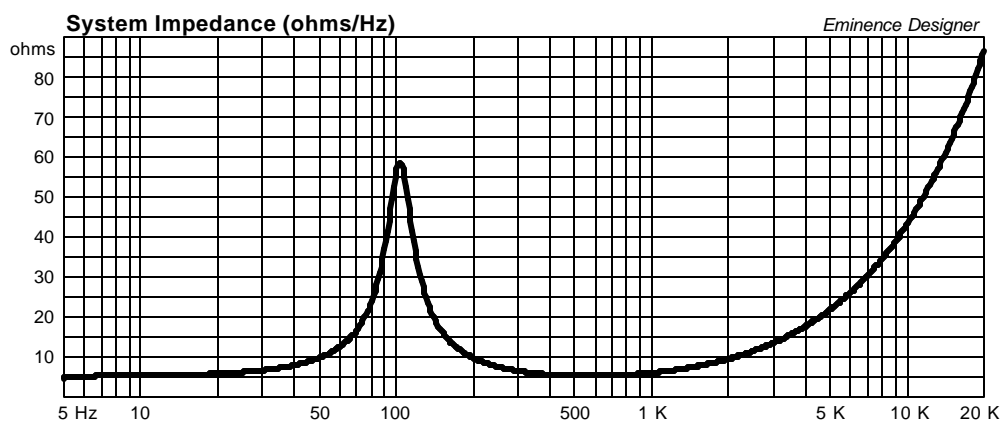
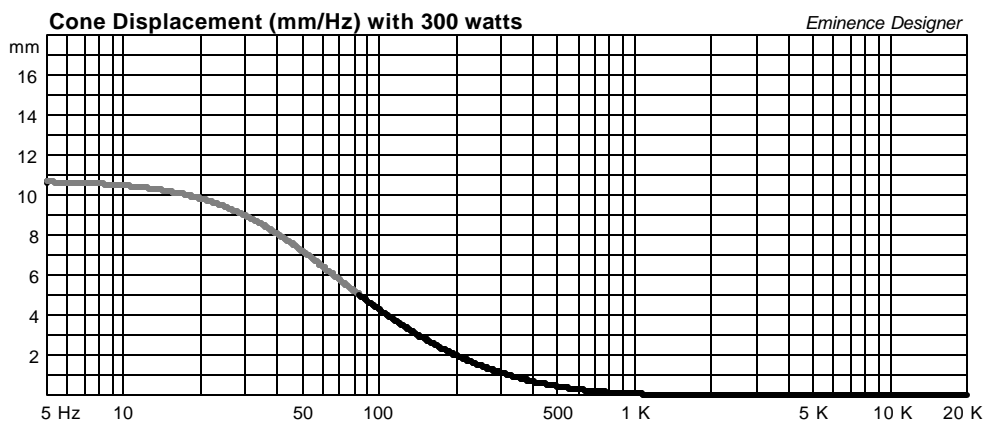
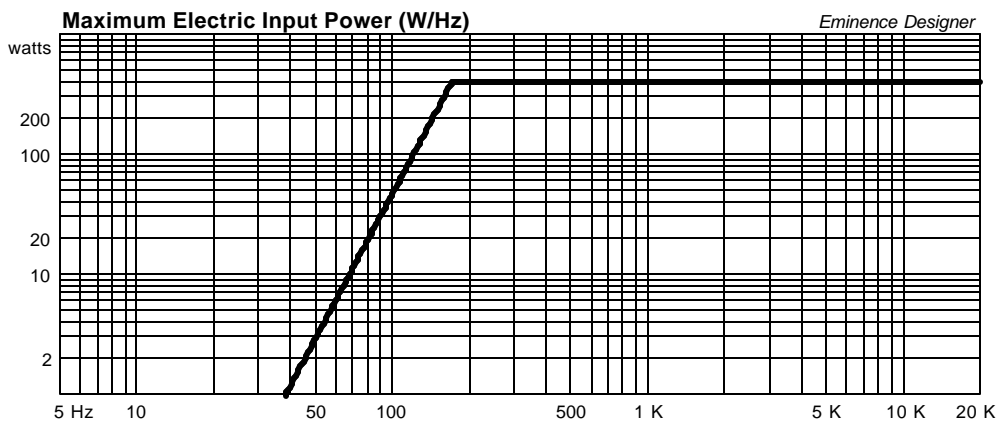
Eminence Designer

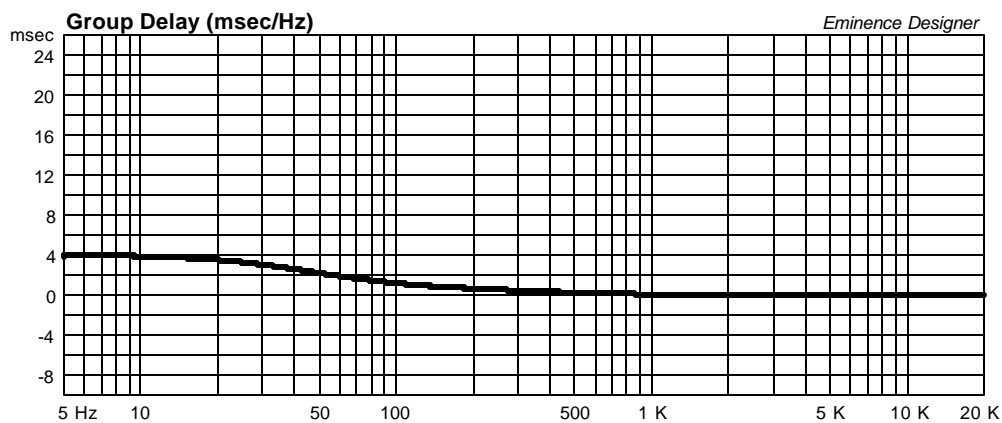
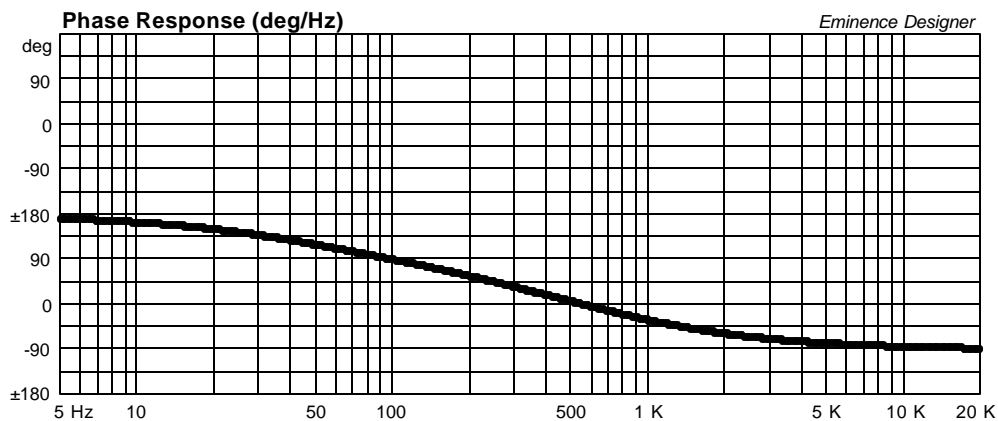


Maximum Acoustic Power (dB-SPL/Hz at 1 m)

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# KappaLite 3010MB Tiny Vented High Power Mid/high

By Jerry McNutt, Eminence Speaker LLC

400 watts, F3 at 96 Hz. For best results, high pass at 100Hz.

Great for a micro sized high power mid/high box to go with a Sub.



## Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 0.65 cu.ft

V(total) = 0.749 cu.ft

Fb = 95 Hz

QL = 7

F3 = 97.92 Hz

Fill = minimal

--Vents--

No. of Vents = 1

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 2.004 in

## Driver Properties

--Description--

Name: KappaLite3010MB

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: 10" High Power Neo Midbass

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 50.68 Hz

Qms = 6.83

Vas = 52.1 liters

Cms = 0.28 mm/N

Mms = 35.52 g

Rms = 1.66 kg/s

Xmax = 5 mm

Xmech = 7.5 mm

P-Dia = 214.7 mm

Sd = 366.1 sq.cm

P-Vd = 0.181 liters

--Electrical Parameters--

Qes = 0.21

Re = 5.01 ohms

Le = 0.68 mH

Z = 8 ohms

BL = 16.51 Tm

Pe = 400 watts

--Electromech. Parameters--

Qts = 0.204

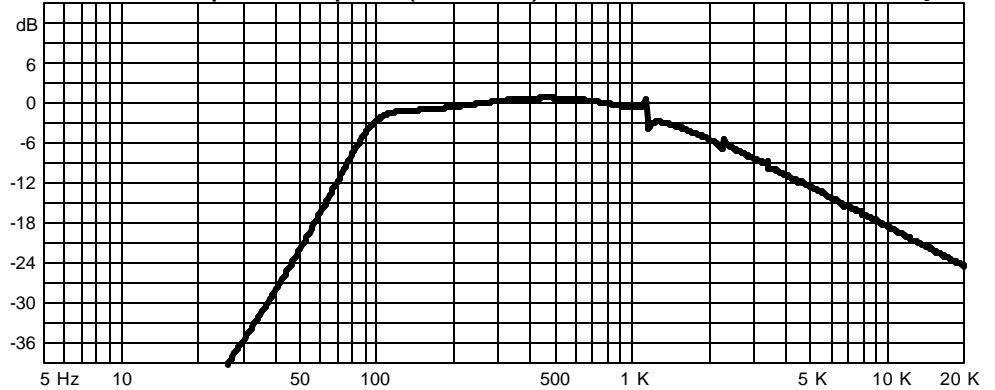
no = 3.114 %

1-W SPL = 97.08 dB

2.83-V SPL = 99.11 dB

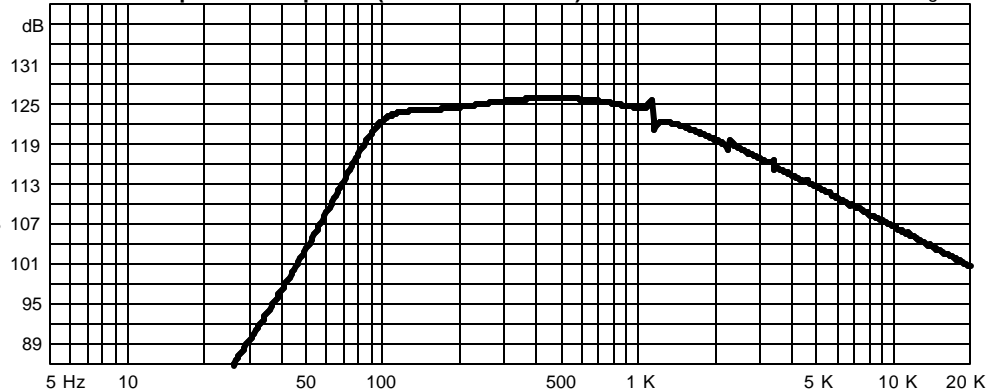
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



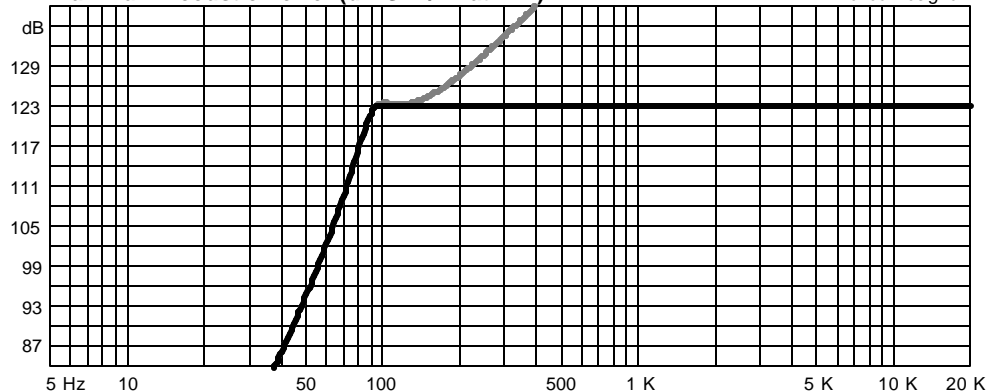
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 400 watts

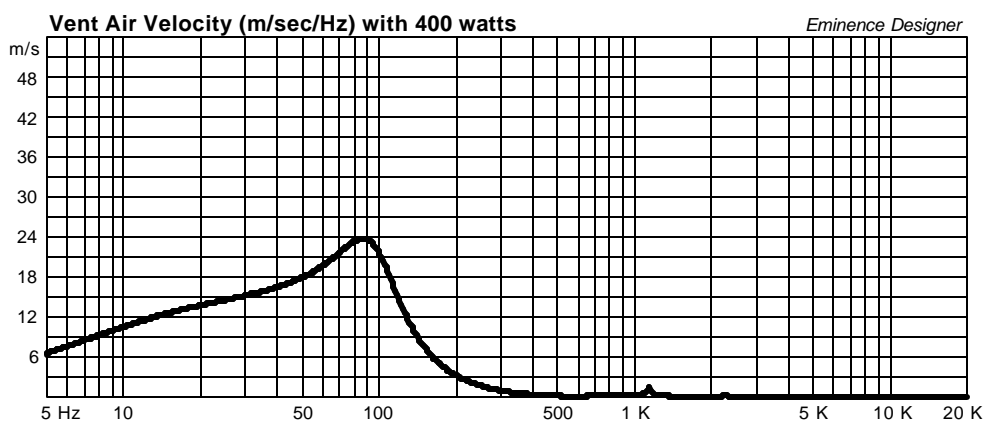
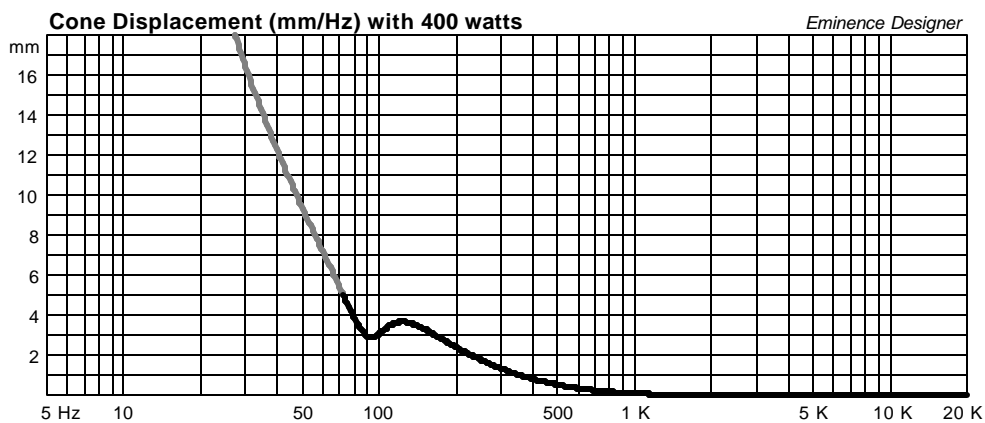
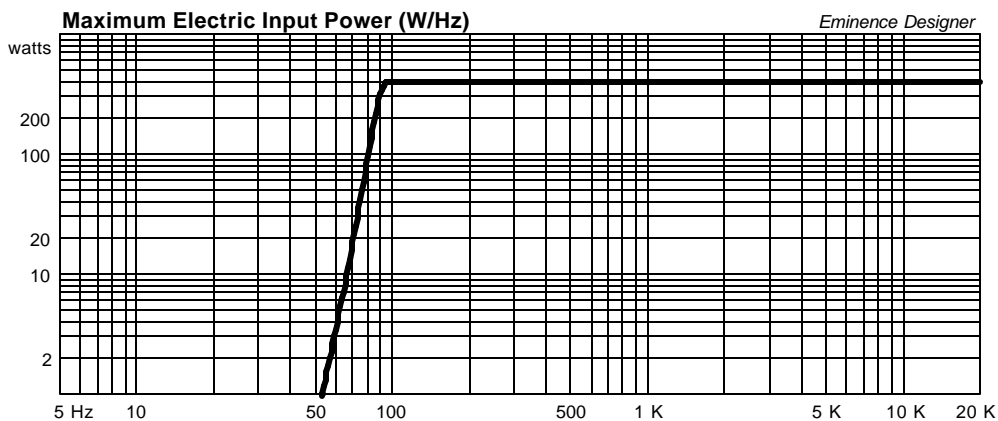
Eminence Designer

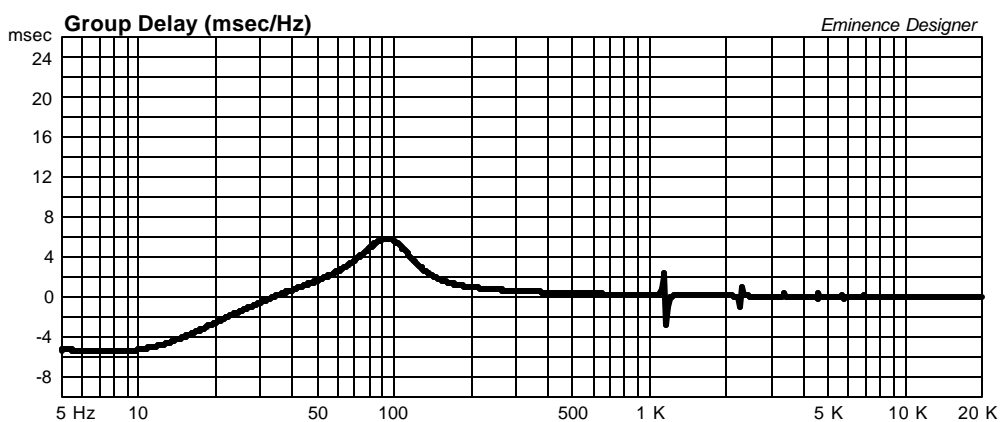
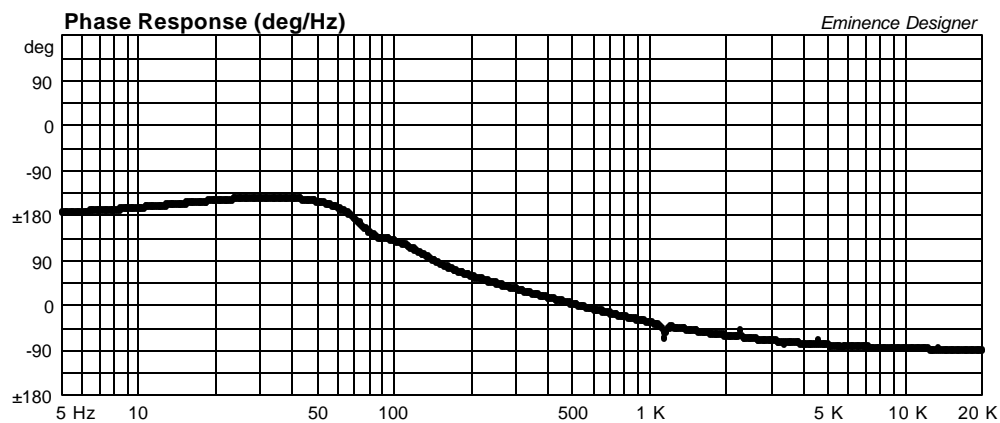
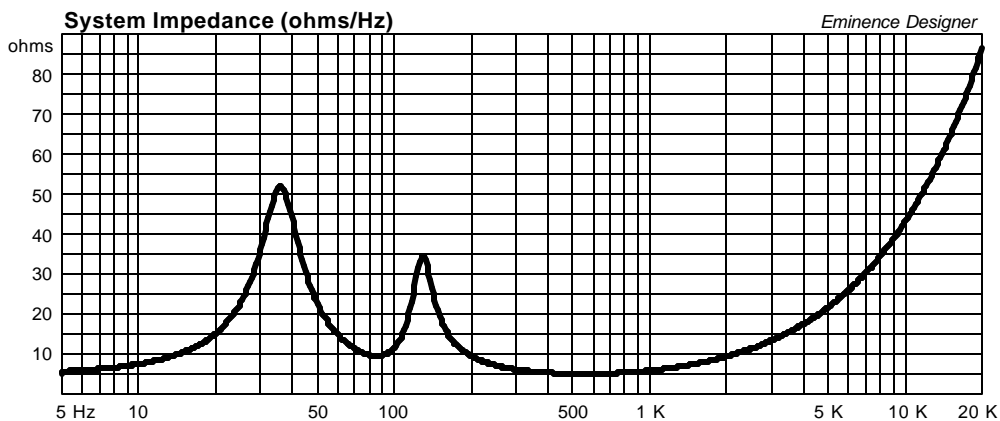


Maximum Acoustic Power (dB-SPL/Hz at 1 m)

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# KappaLite 3010MB Med Vented Mid/Bass

By Jerry McNutt, Eminence Speaker LLC  
400 Watts, F3 of 88Hz. For best results use a high pass at 85 Hz.  
Small vocal wedge or mid/high box.



## Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 1.4 cu.ft

V(total) = 1.507 cu.ft

Fb = 90 Hz

QL = 7

F3 = 84.14 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 1.455 in

## Driver Properties

--Description--

Name: KappaLite3010MB

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: 10" High Power Neo Midbass

--Configuration--

**No. of Drivers = 1**

--Mechanical Parameters--

Fs = 50.68 Hz

Qms = 6.83

Vas = 52.1 liters

Cms = 0.28 mm/N

Mms = 35.52 g

Rms = 1.66 kg/s

Xmax = 5 mm

Xmech = 7.5 mm

P-Dia = 214.7 mm

Sd = 366.1 sq.cm

P-Vd = 0.181 liters

--Electrical Parameters--

Qes = 0.21

Re = 5.01 ohms

Le = 0.68 mH

Z = 8 ohms

BL = 16.51 Tm

Pe = 400 watts

--Electromech. Parameters--

Qts = 0.204

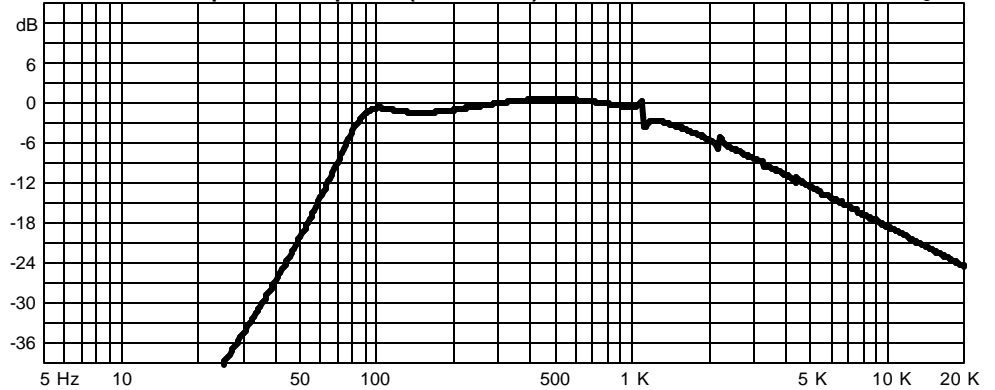
no = 3.114 %

1-W SPL = 97.08 dB

2.83-V SPL = 99.11 dB

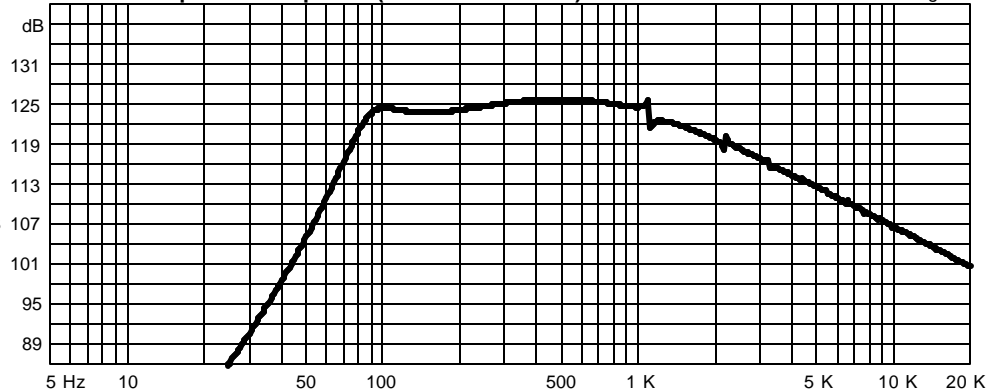
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



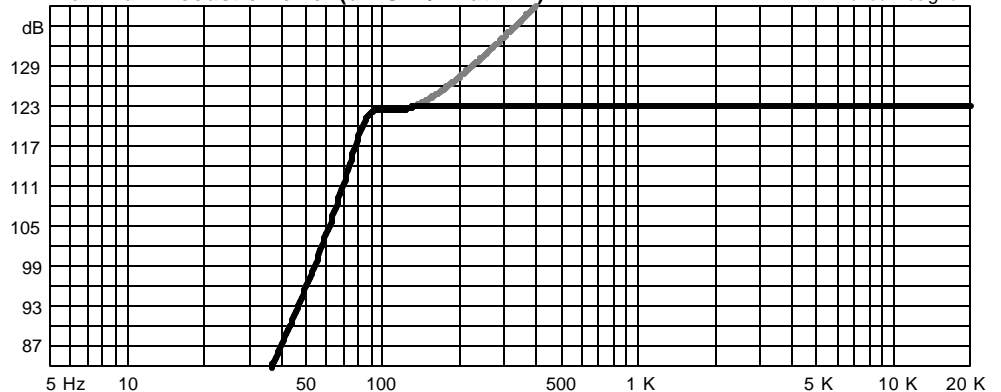
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 400 watts

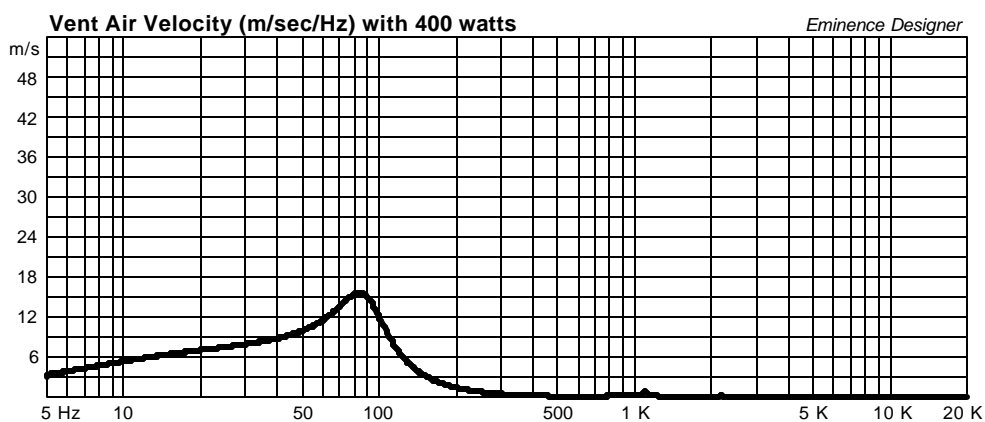
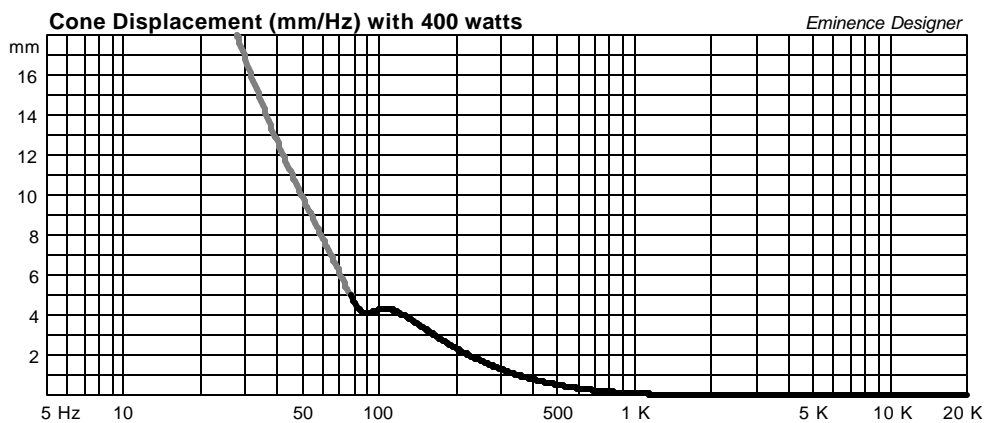
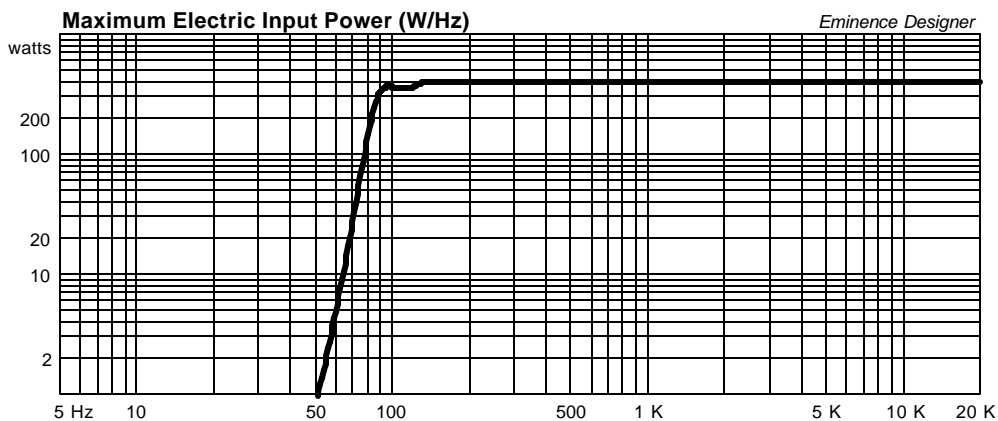
Eminence Designer



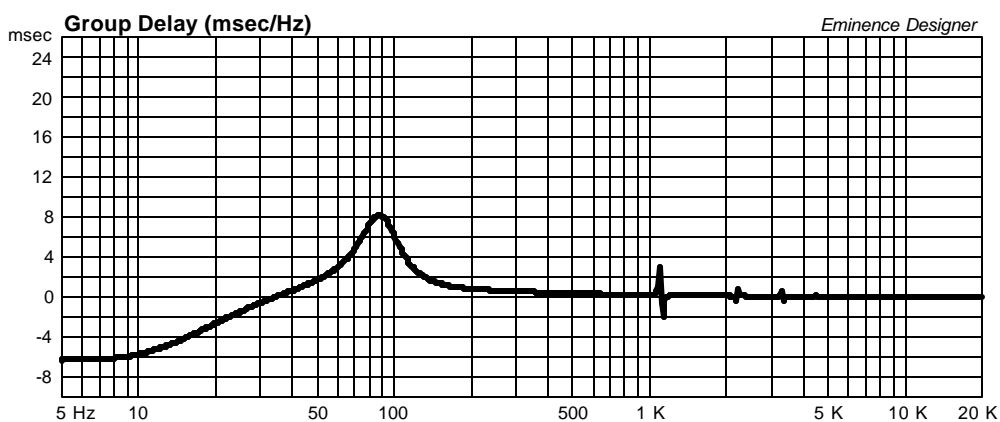
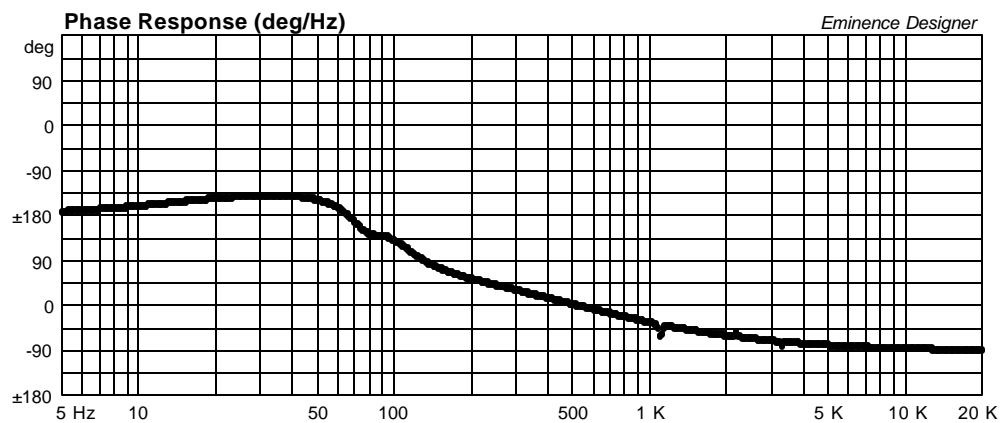
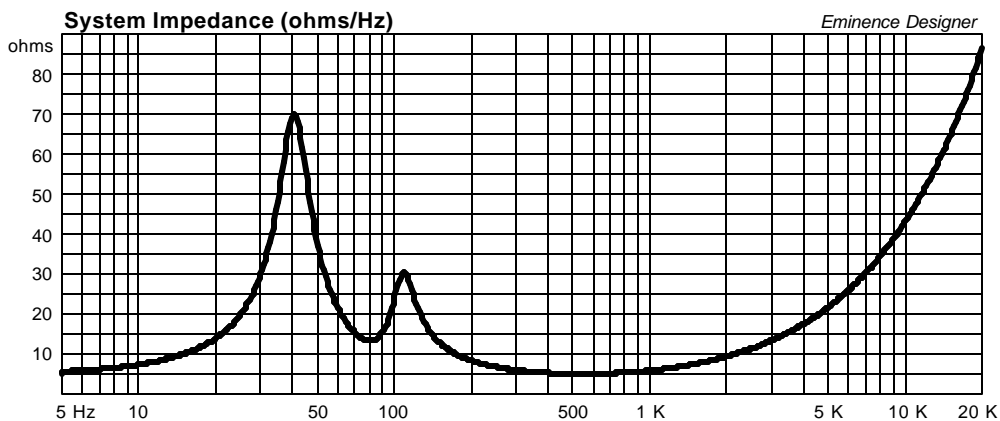
Maximum Acoustic Power (dB-SPL/Hz at 1 m)

Eminence Designer









# KappaLite 3010MB Large Sealed Midrange

By Jerry McNutt, Eminence Speaker LLC

Limit to 300 Watts since it is sealed. Use above 220 Hz.

Med Power 10" Midrange. Simple Sealed Box.



## Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 1.2 cu.ft

V(total) = 1.267 cu.ft

Qtc = 0.303

QL = 20

F3 = 208.3 Hz

Fill = normal

## Driver Properties

--Description--

Name: KappaLite3010MB

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: 10" High Power Neo Midbass

--Configuration--

**No. of Drivers = 1**

--Mechanical Parameters--

Fs = 50.68 Hz

Qms = 6.83

Vas = 52.1 liters

Cms = 0.28 mm/N

Mms = 35.52 g

Rms = 1.66 kg/s

Xmax = 5 mm

Xmech = 7.5 mm

P-Dia = 214.7 mm

Sd = 366.1 sq.cm

P-Vd = 0.181 liters

--Electrical Parameters--

Qes = 0.21

Re = 5.01 ohms

Le = 0.68 mH

Z = 8 ohms

BL = 16.51 Tm

Pe = 400 watts

--Electromech. Parameters--

Qts = 0.204

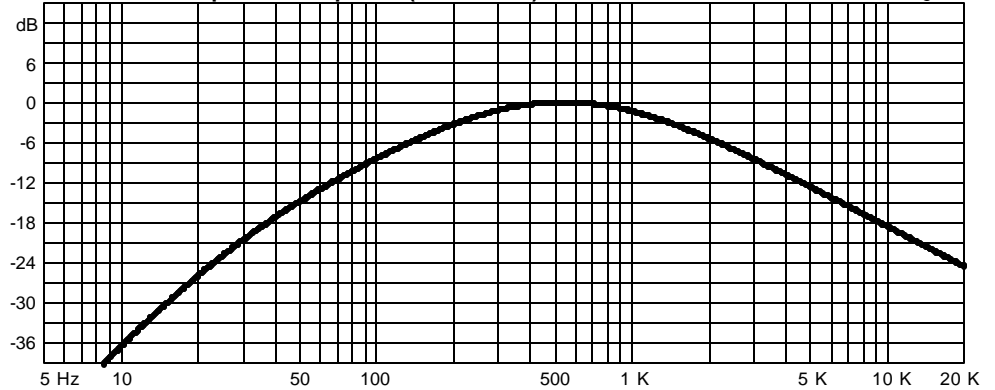
no = 3.114 %

1-W SPL = 97.08 dB

2.83-V SPL = 99.11 dB

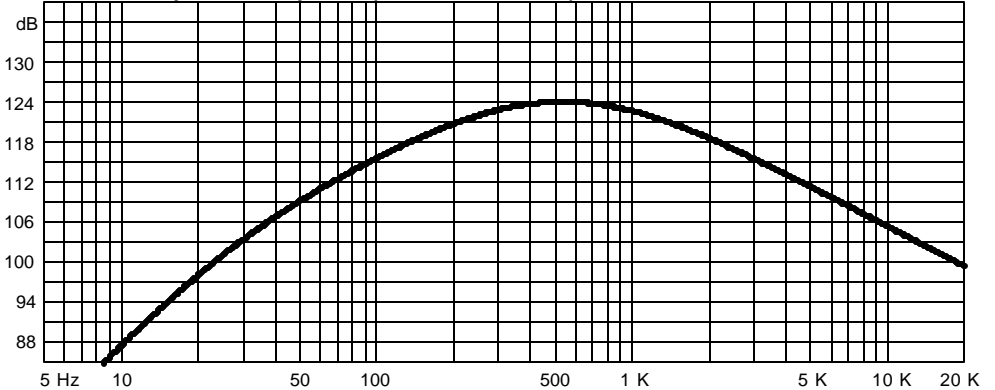
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



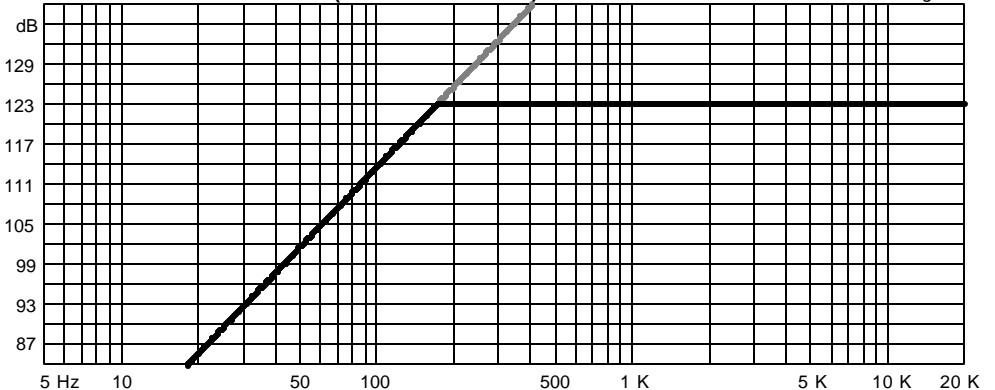
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 300 watts

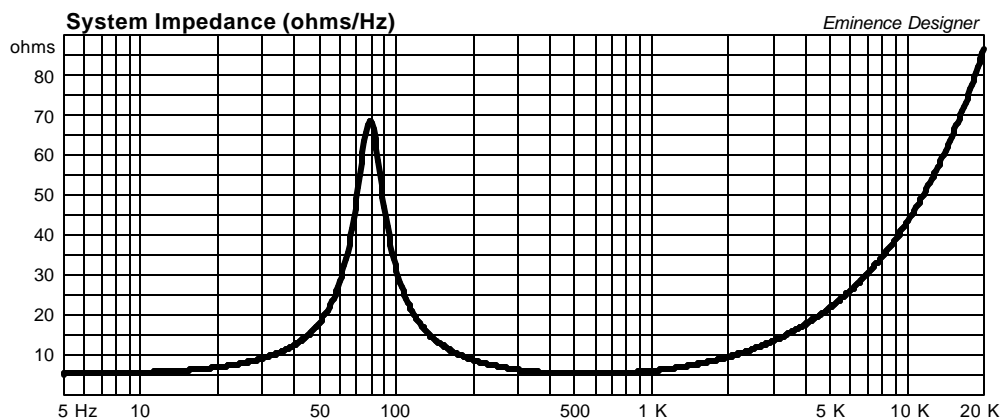
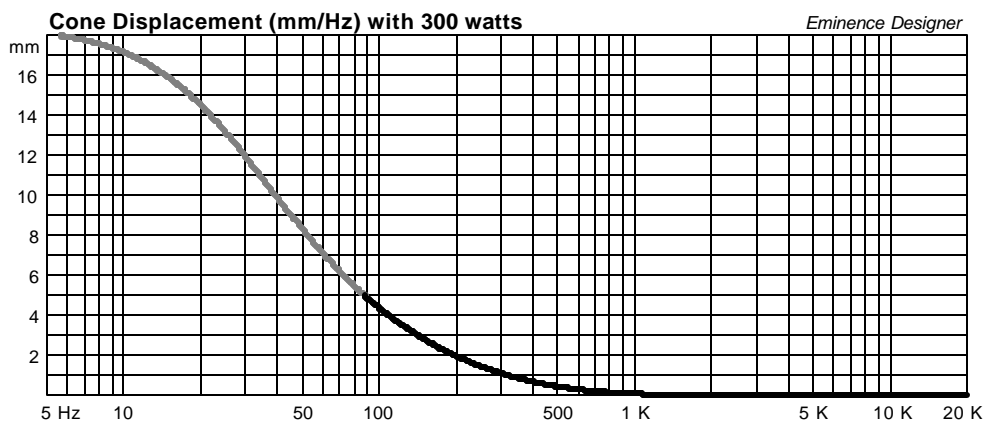
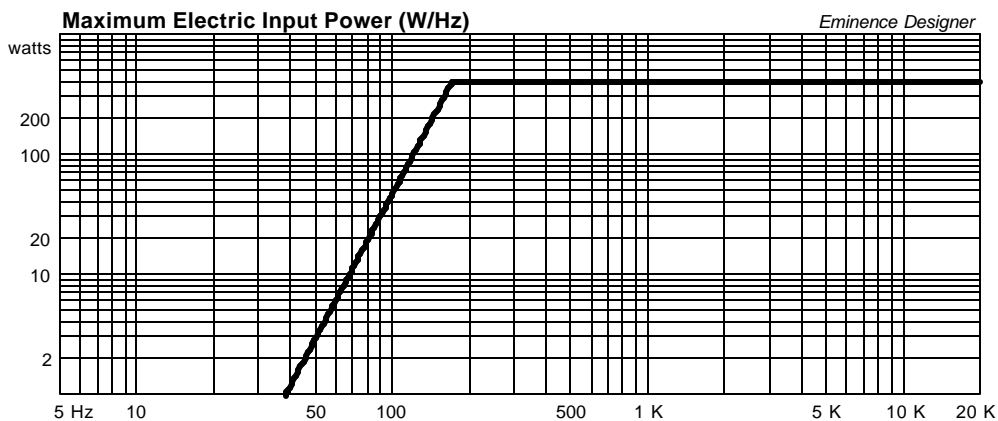
Eminence Designer

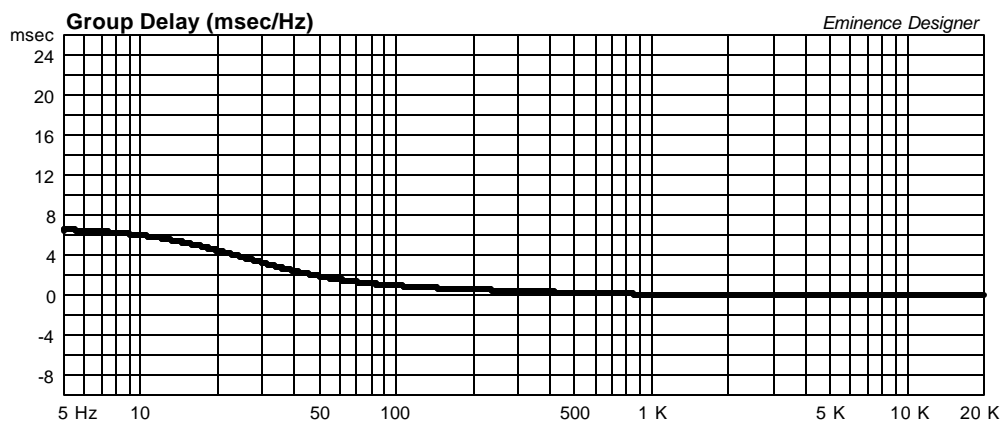
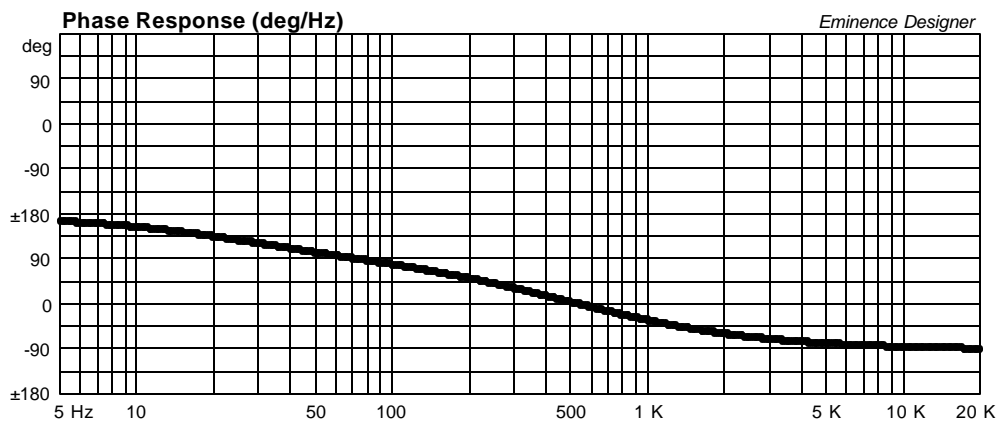


Maximum Acoustic Power (dB-SPL/Hz at 1 m)

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# KappaLite3010MB Large Vented Mid/Bass

By Jerry McNutt, Eminence Speaker LLC  
400 Watts, F3 at 85 Hz. For best results, high pass at 90 Hz.  
High power Floor Wedge or Mid/bass Box.



## Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 1.75 cu.ft

V(total) = 1.859 cu.ft

Fb = 90 Hz

QL = 7

F3 = 83.55 Hz

Fill = minimal

--Vents--

No. of Vents = 4

Vent shape = round

Vent ends = one flush

Dv = 3 in

Lv = 1.348 in

## Driver Properties

--Description--

Name: KappaLite3010MB

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: 10" High Power Neo Midbass

--Configuration--

**No. of Drivers = 1**

--Mechanical Parameters--

Fs = 50.68 Hz

Qms = 6.83

Vas = 52.1 liters

Cms = 0.28 mm/N

Mms = 35.52 g

Rms = 1.66 kg/s

Xmax = 5 mm

Xmech = 7.5 mm

P-Dia = 214.7 mm

Sd = 366.1 sq.cm

P-Vd = 0.181 liters

--Electrical Parameters--

Qes = 0.21

Re = 5.01 ohms

Le = 0.68 mH

Z = 8 ohms

BL = 16.51 Tm

Pe = 400 watts

--Electromech. Parameters--

Qts = 0.204

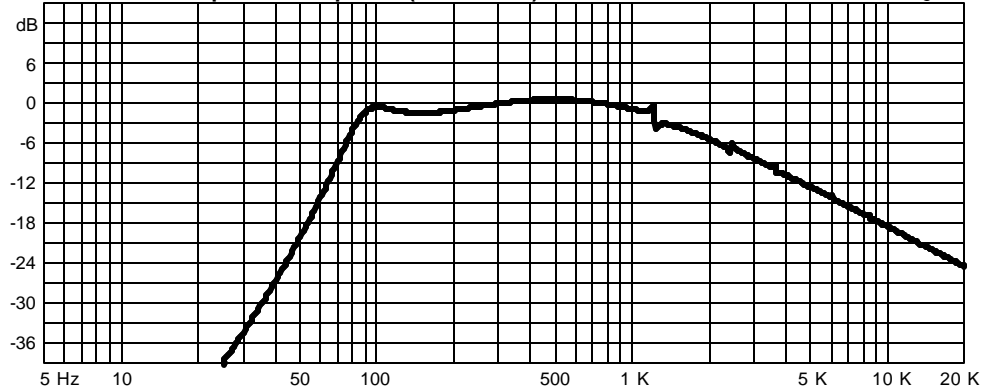
no = 3.114 %

1-W SPL = 97.08 dB

2.83-V SPL = 99.11 dB

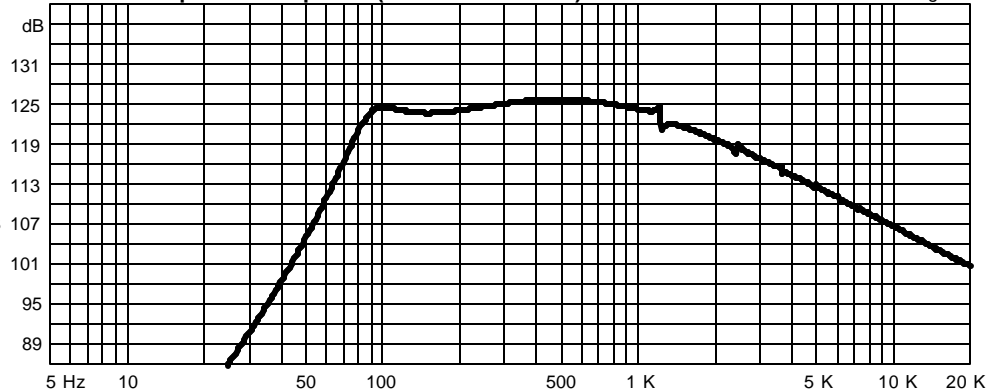
Normalized Amplitude Response (dB-SPL/Hz)

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

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

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