

DeltaLite2510-4 Four By Ten Bass Guitar

By Jerry McNutt, Eminence Speaker LLC
600 Watts; F3 of 61 Hz.
For Bass Guitar.



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 5.608 cu.ft

V(total) = 6.467 cu.ft

Fb = 65 Hz

QL = 7

F3 = 60.98 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = rectangle

Vent ends = one flush

Hv = 3 in

Wv = 21 in

Lv = 8.348 in

Driver Properties

--Description--

Name: DeltaLite2510-4

Type: Standard one-way driver

Company: Eminence Speaker USA

Comment: Four Ohm

--Configuration--

No. of Drivers = 4

Mounting = Standard

Wiring = Series-Parallel

Drivers sum coherently = Yes

--Mechanical Parameters--

Fs = 54.63 Hz

Qms = 7.92

Vas = 54.45 liters [217.8]

Cms = 0.32 mm/N [0.08]

Mms = 26.63 g [106.5]

Rms = 1.15 kg/s [4.6]

Xmax = 4.2 mm

Xmech = 8 mm

P-Dia = 209.9 mm [419.9]

Sd = 350.1 sq.cm [1400]

P-Vd = 0.145 liters [0.582]

--Electrical Parameters--

Qes = 0.4

Re = 3.46 ohms [3.46]

Le = 0.3 mH [0.3]

Z = 4 ohms [4]

BL = 8.84 Tm [17.78]

Pe = 250 watts [1000]

--Electromech. Parameters--

Qts = 0.39

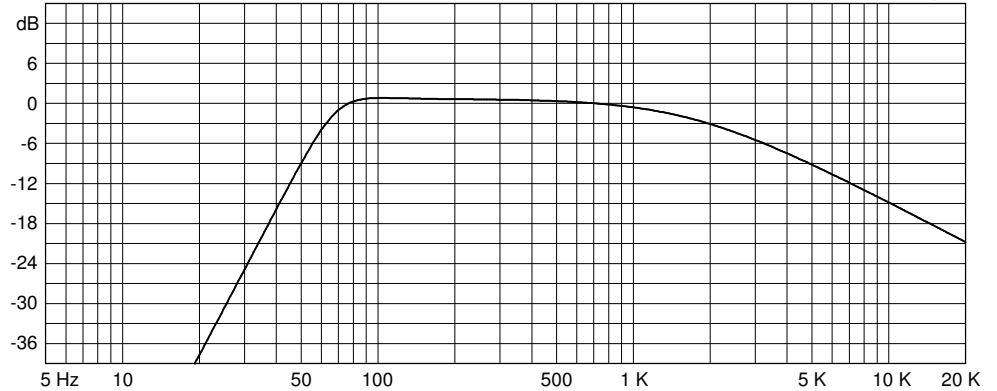
no = 2.14 % [8.56]

1-W SPL = 95.45 dB [101.5]

2.83-V SPL = 99.09 dB [105.1]

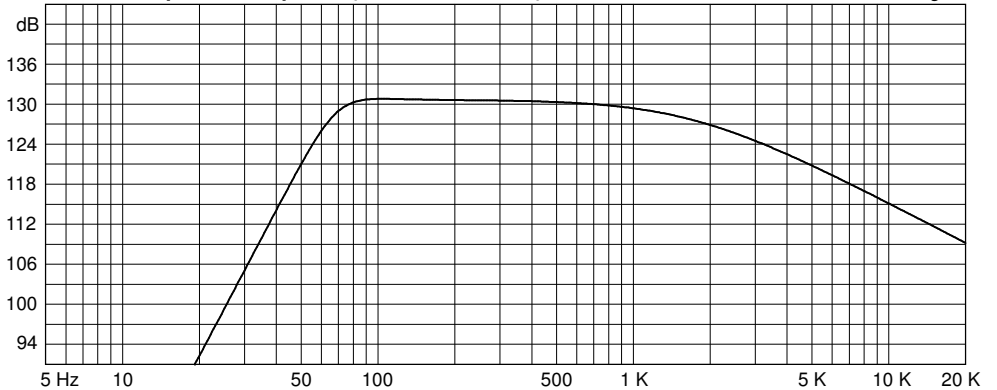
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



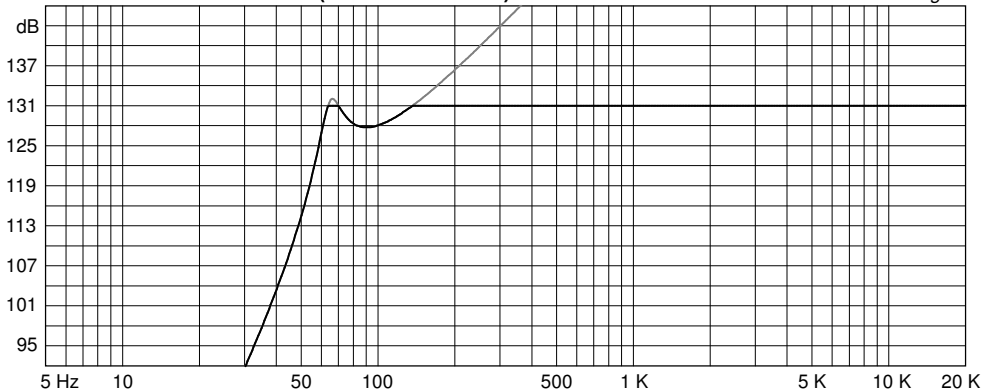
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 600 watts

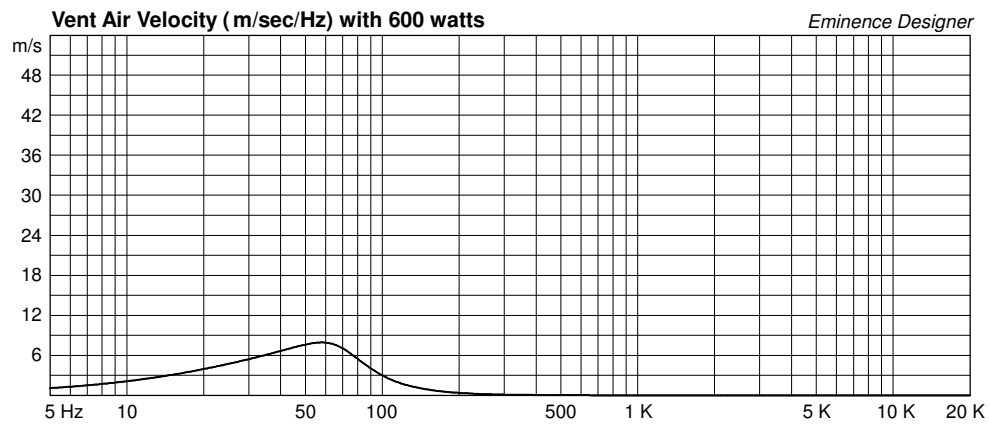
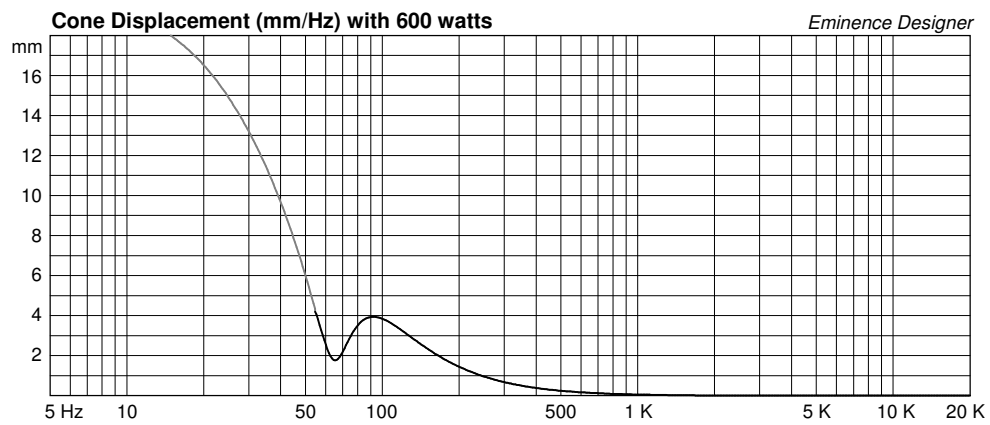
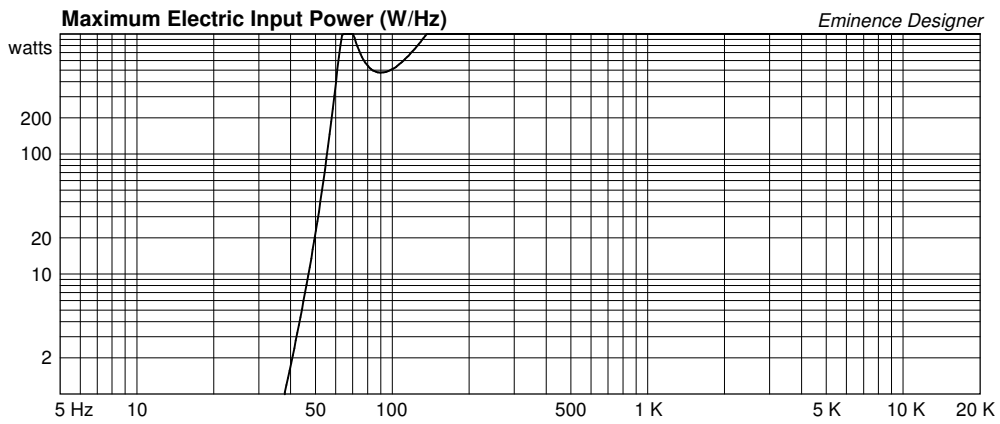
Eminence Designer

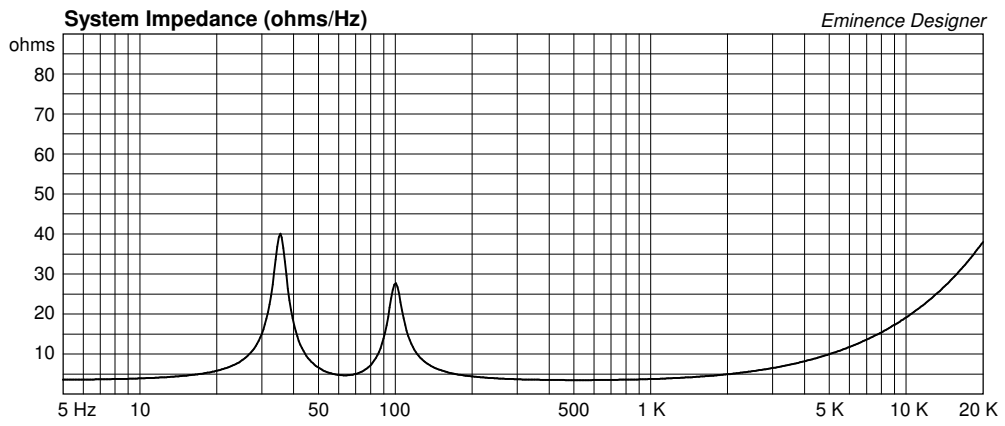


Maximum Acoustic Power (dB-SPL/Hz at 1 m)

Eminence Designer







DeltaLite2510-4 Large Bass Guitar or PA Top

By Jerry McNutt, Eminence Speaker LLC
150 Watts; F3 of 63 Hz. Use a steep high pass at 50 Hz or up.



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 1.5 cu.ft

V(total) = 1.599 cu.ft

Fb = 68 Hz

QL = 7

F3 = 62.66 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 3 in

Lv = 2.146 in

Driver Properties

--Description--

Name: DeltaLite2510-4

Type: Standard one-way driver

Company: Eminence Speaker USA

Comment: Four Ohm

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 54.63 Hz

Qms = 7.92

Vas = 54.45 liters

Cms = 0.32 mm/N

Mms = 26.63 g

Rms = 1.15 kg/s

Xmax = 4.2 mm

Xmech = 8 mm

P-Dia = 209.9 mm

Sd = 350.1 sq.cm

P-Vd = 0.145 liters

--Electrical Parameters--

Qes = 0.4

Re = 3.46 ohms

Le = 0.3 mH

Z = 4 ohms

BL = 8.84 Tm

Pe = 250 watts

--Electromech. Parameters--

Qts = 0.39

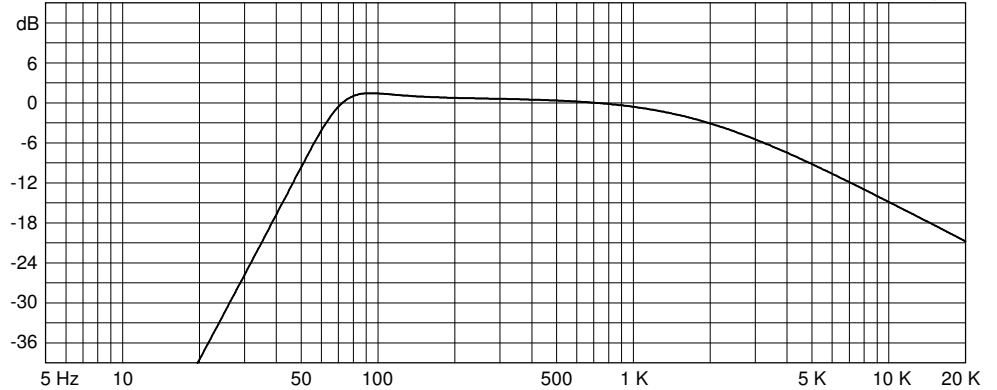
no = 2.14 %

1-W SPL = 95.45 dB

2.83-V SPL = 99.09 dB

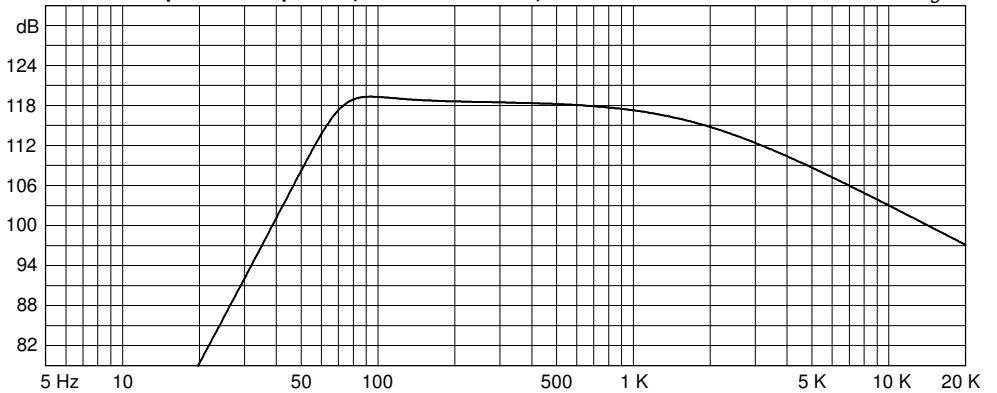
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



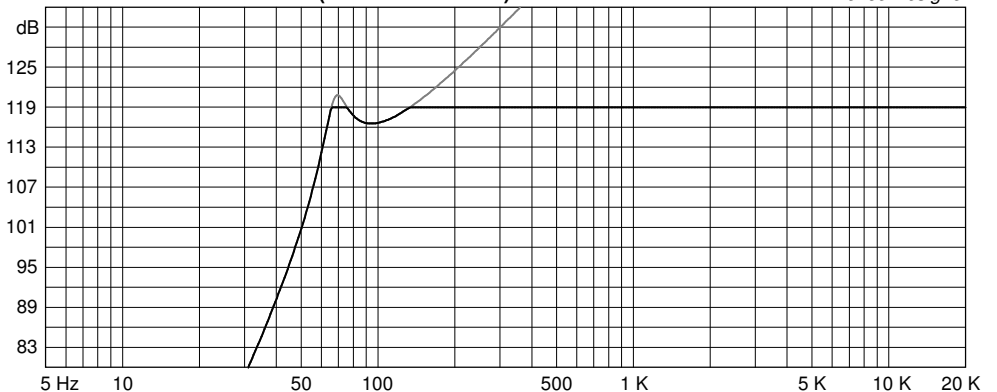
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 150 watts

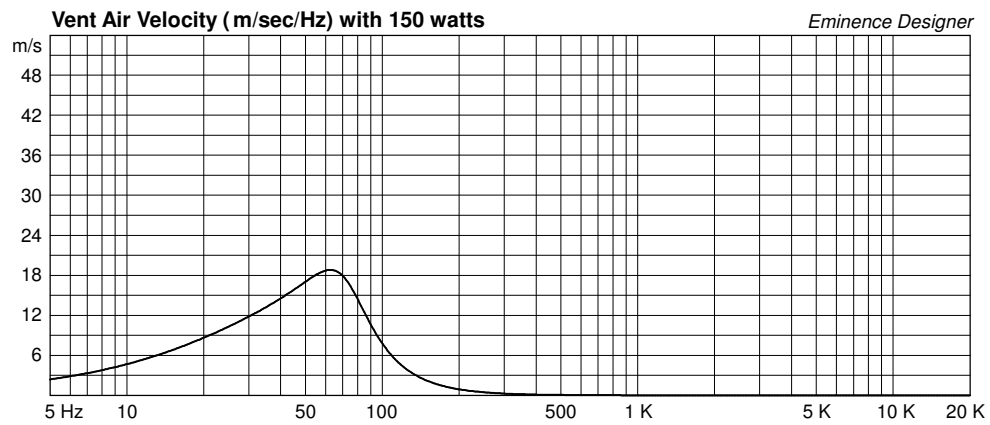
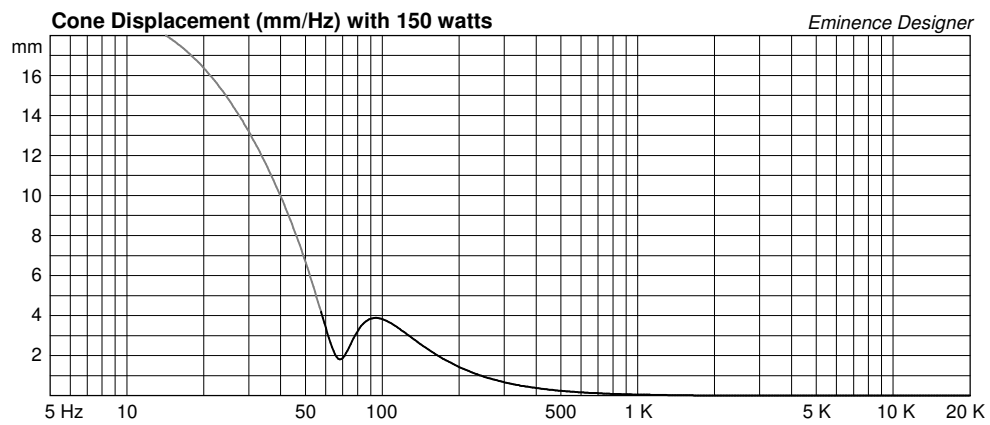
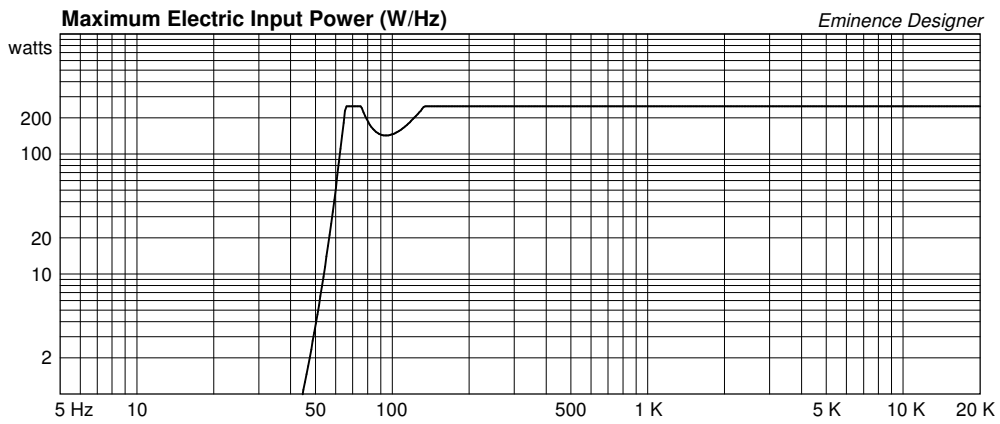
Eminence Designer

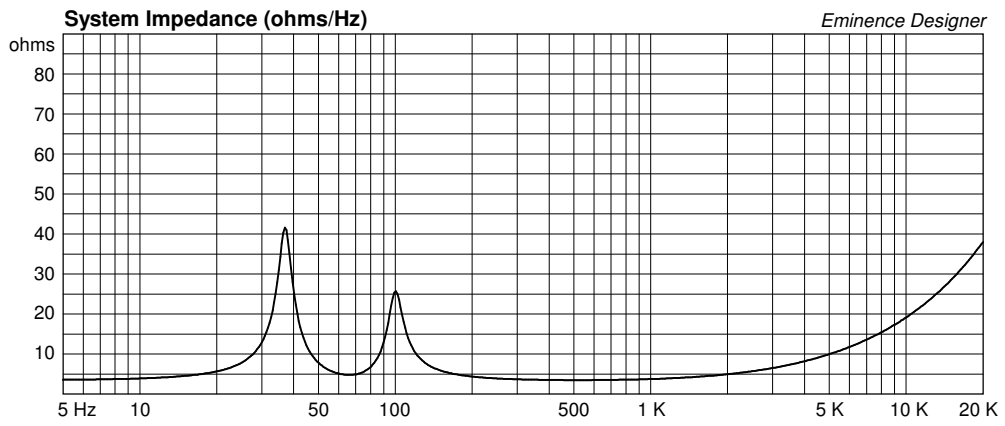


Maximum Acoustic Power (dB-SPL/Hz at 1 m)

Eminence Designer







DeltaLite2510-4 Medium Vented Bass or PA Top

By Jerry McNutt, Eminence Speaker LLC
175 Watts; F3 of 65 Hz. Use a steep high pass at 50 Hz or up.



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 1.25 cu.ft

V(total) = 1.366 cu.ft

Fb = 65 Hz

QL = 7

F3 = 64.79 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 3 in

Lv = 3.936 in

Driver Properties

--Description--

Name: DeltaLite2510-4

Type: Standard one-way driver

Company: Eminence Speaker USA

Comment: Four Ohm

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 54.63 Hz

Qms = 7.92

Vas = 54.45 liters

Cms = 0.32 mm/N

Mms = 26.63 g

Rms = 1.15 kg/s

Xmax = 4.2 mm

Xmech = 8 mm

P-Dia = 209.9 mm

Sd = 350.1 sq.cm

P-Vd = 0.145 liters

--Electrical Parameters--

Qes = 0.4

Re = 3.46 ohms

Le = 0.3 mH

Z = 4 ohms

BL = 8.84 Tm

Pe = 250 watts

--Electromech. Parameters--

Qts = 0.39

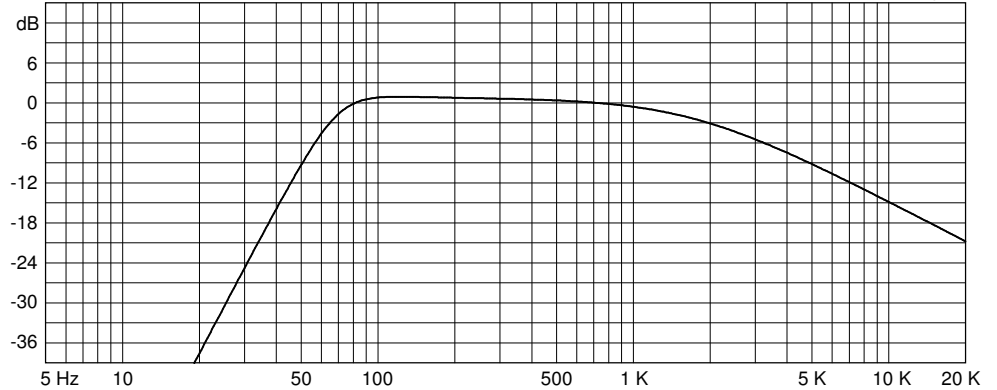
no = 2.14 %

1-W SPL = 95.45 dB

2.83-V SPL = 99.09 dB

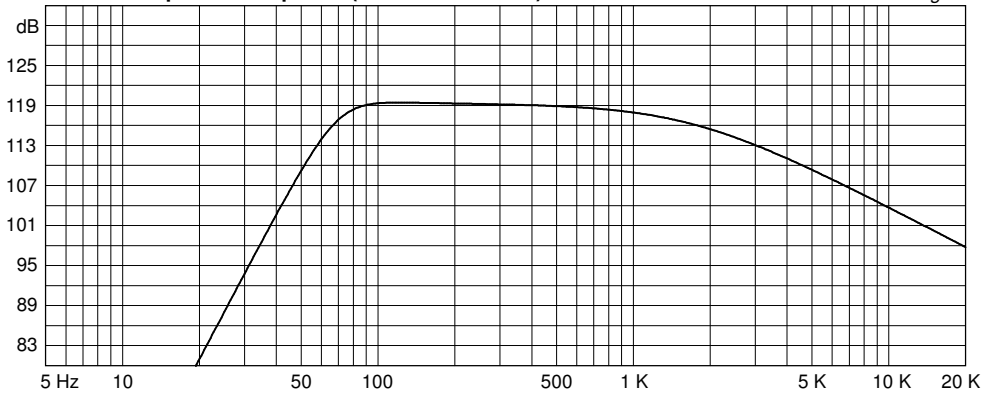
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



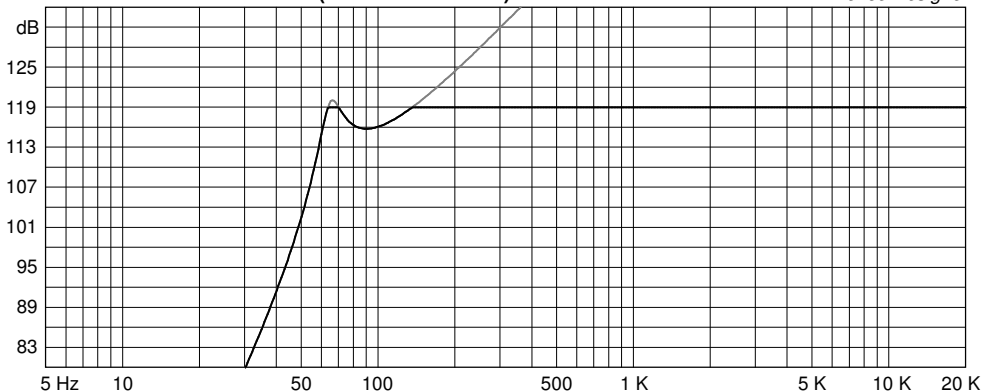
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 175 watts

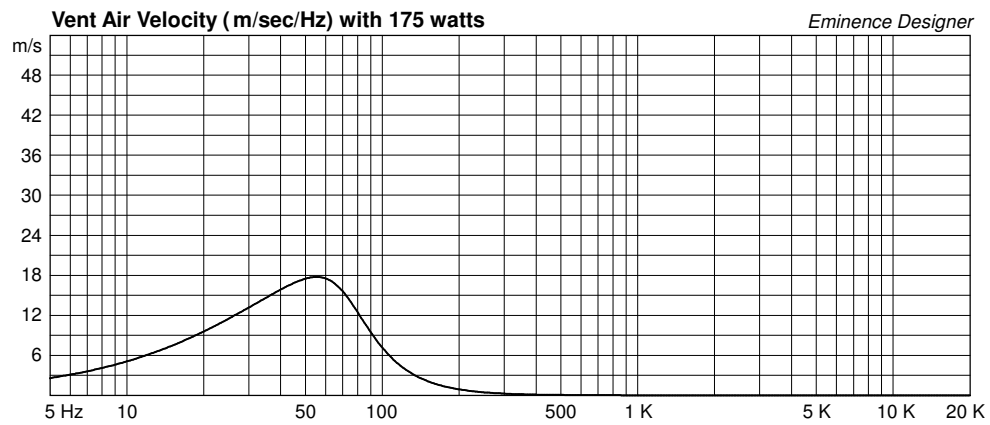
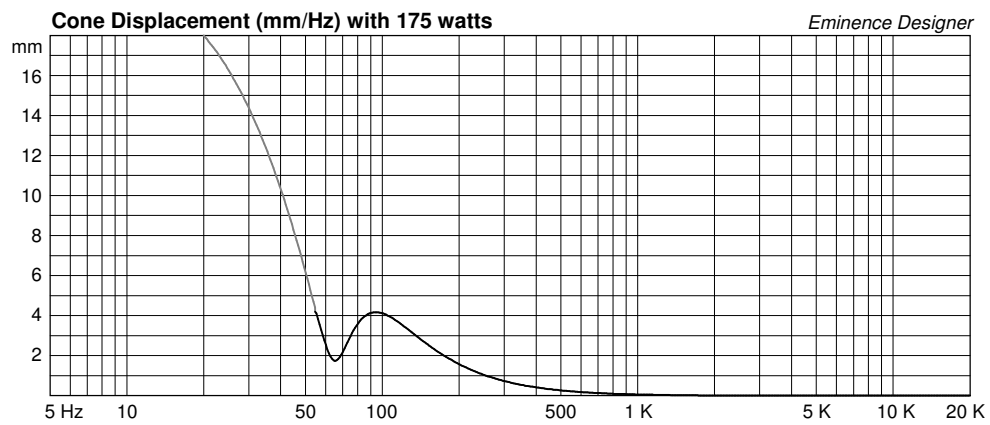
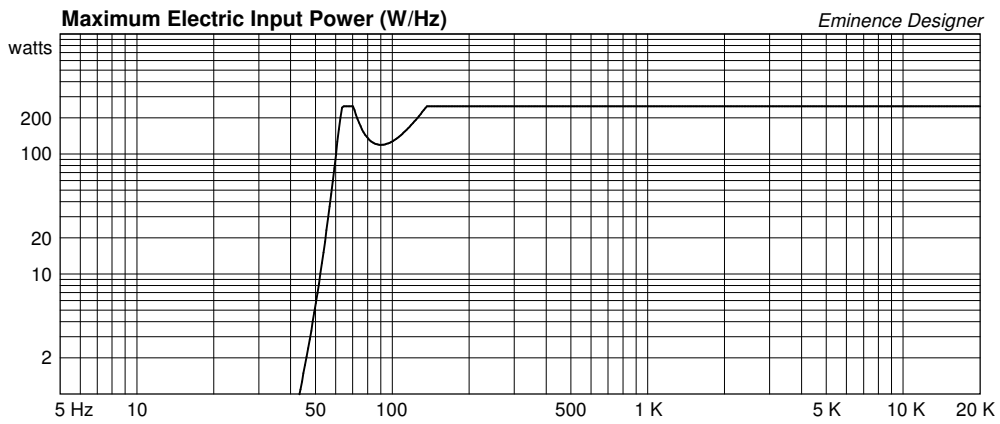
Eminence Designer

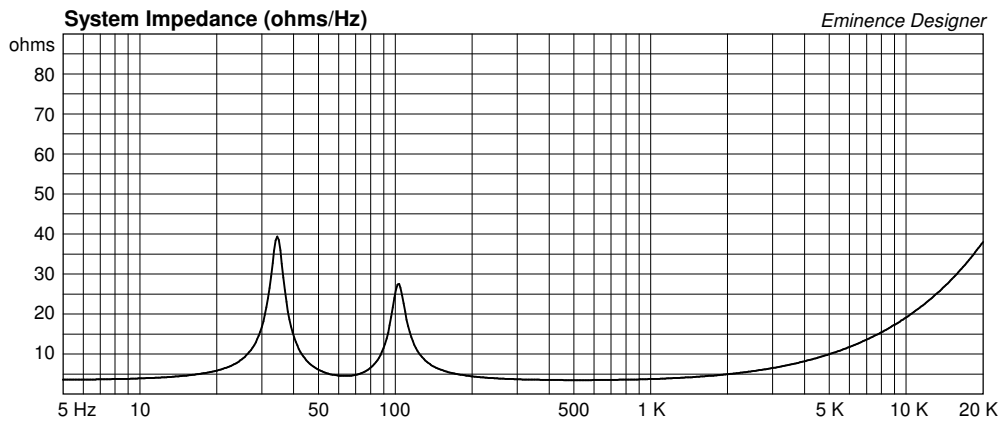


Maximum Acoustic Power (dB-SPL/Hz at 1 m)

Eminence Designer







DeltaLite2510-4 Small Vented Mid/Bass Design

By Jerry McNutt, Eminence Speaker LLC
250 Watts; F3 of 80 Hz. Use a steep high pass at 90 Hz or up.
Not for full range use; use only as a mid/bass.



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 0.75 cu.ft

V(total) = 0.856 cu.ft

Fb = 80 Hz

QL = 7

F3 = 80.72 Hz

Fill = minimal

--Vents--

No. of Vents = 1

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 3.338 in

Driver Properties

--Description--

Name: DeltaLite2510-4

Type: Standard one-way driver

Company: Eminence Speaker USA

Comment: Four Ohm

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 54.63 Hz

Qms = 7.92

Vas = 54.45 liters

Cms = 0.32 mm/N

Mms = 26.63 g

Rms = 1.15 kg/s

Xmax = 4.2 mm

Xmech = 8 mm

P-Dia = 209.9 mm

Sd = 350.1 sq.cm

P-Vd = 0.145 liters

--Electrical Parameters--

Qes = 0.4

Re = 3.46 ohms

Le = 0.3 mH

Z = 4 ohms

BL = 8.84 Tm

Pe = 250 watts

--Electromech. Parameters--

Qts = 0.39

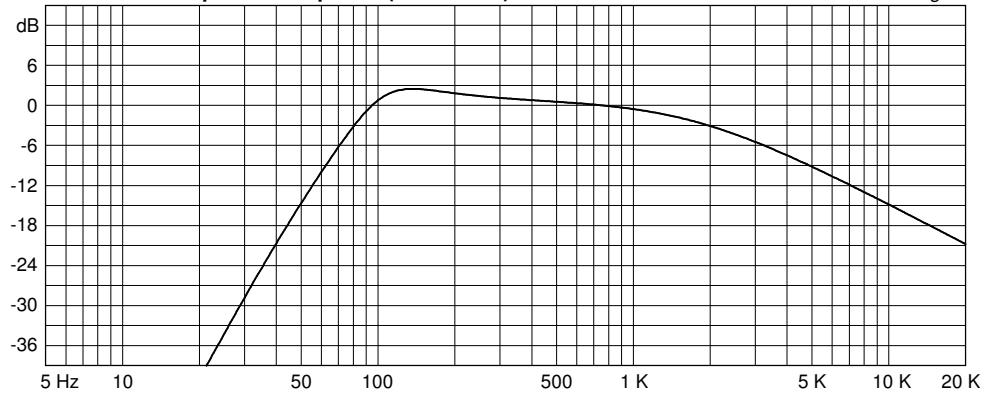
no = 2.14 %

1-W SPL = 95.45 dB

2.83-V SPL = 99.09 dB

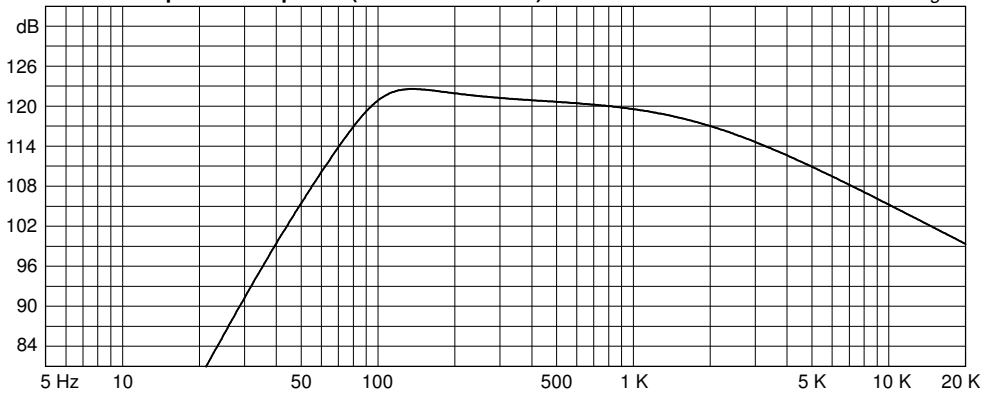
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



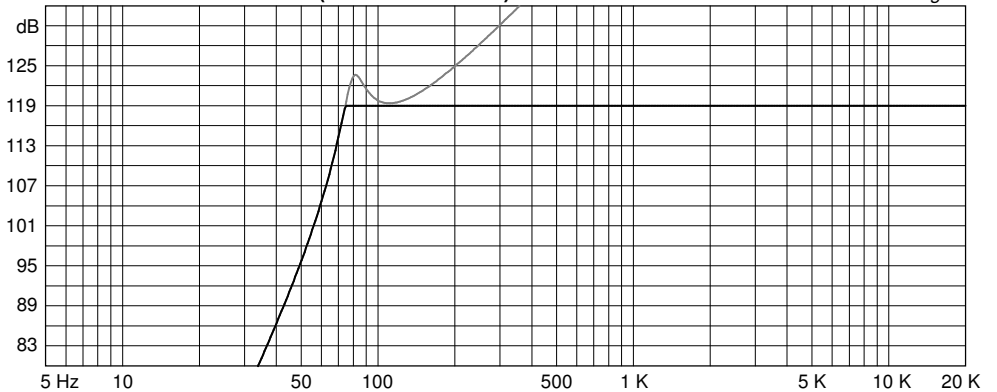
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 250 watts

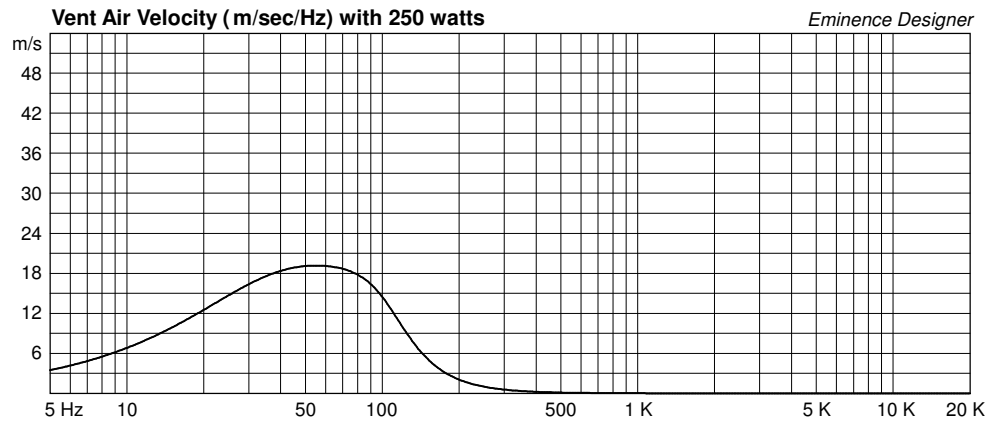
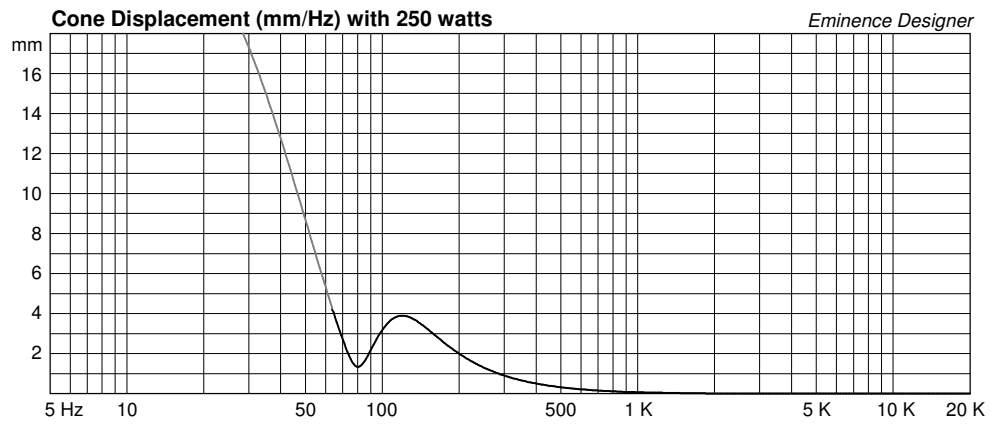
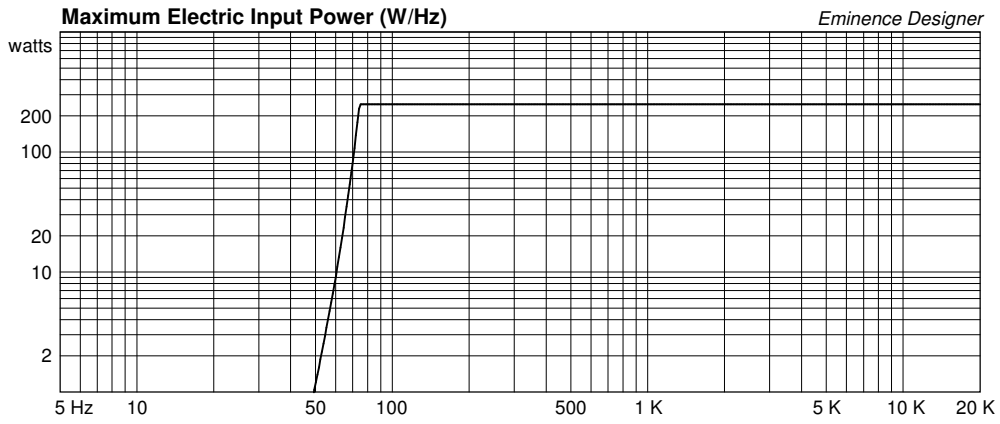
Eminence Designer

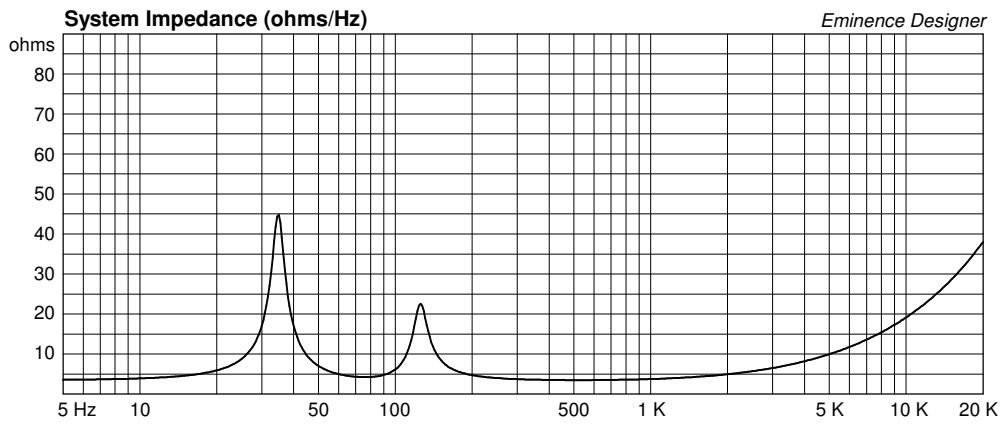


Maximum Acoustic Power (dB-SPL/Hz at 1 m)

Eminence Designer







DeltaLite2510-4 Two by Ten Bass Guitar

By Jerry McNutt, Eminence Speaker LLC
300 Watts; F3 of 59 Hz.
For Bass Guitar.



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 3.8 cu.ft

V(total) = 4.115 cu.ft

Fb = 65 Hz

QL = 7

F3 = 58.53 Hz

Fill = minimal

--Vents--

No. of Vents = 1

Vent shape = rectangle

Vent ends = one flush

Hv = 3 in

Wv = 21 in

Lv = 5.485 in

Driver Properties

--Description--

Name: DeltaLite2510-4

Type: Standard one-way driver

Company: Eminence Speaker USA

Comment: Four Ohm

--Configuration--

No. of Drivers = 2

Mounting = Standard

Wiring = Series

Drivers sum coherently = Yes

--Mechanical Parameters--

Fs = 54.63 Hz

Qms = 7.92

Vas = 54.45 liters [108.9]

Cms = 0.32 mm/N [0.16]

Mms = 26.63 g [53.26]

Rms = 1.15 kg/s [2.3]

Xmax = 4.2 mm

Xmech = 8 mm

P-Dia = 209.9 mm [296.9]

Sd = 350.1 sq.cm [700.2]

P-Vd = 0.145 liters [0.291]

--Electrical Parameters--

Qes = 0.4

Re = 3.46 ohms [6.92]

Le = 0.3 mH [0.6]

Z = 4 ohms [8]

BL = 8.84 Tm [17.78]

Pe = 250 watts [500]

--Electromech. Parameters--

Qts = 0.39

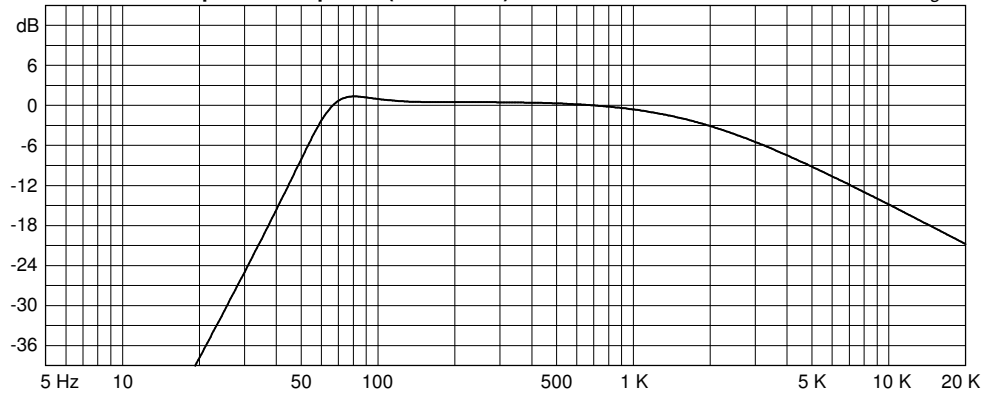
no = 2.14 % [4.28]

1-W SPL = 95.45 dB [98.46]

2.83-V SPL = 99.09 dB [99.09]

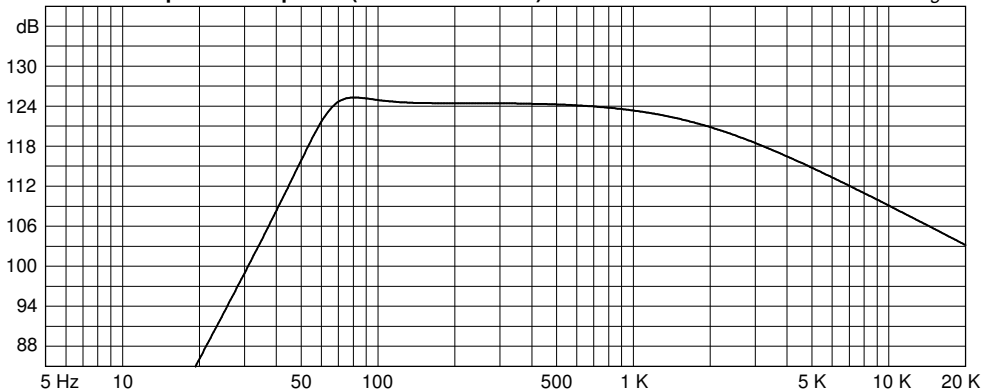
Normalized Amplitude Response (dB-SPL/Hz)

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)

Eminence Designer

