

Legend CA10-8 Classic 4x10 Bass Cabinet

By Jerry McNutt, Eminence Speaker LLC

Limit to 250 Watts; F3 at 63Hz.

Drivers in Series/Parallel for a solid 8 ohm load



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 4.5 cu.ft

V(total) = 5.267 cu.ft

Fb = 65 Hz

QL = 7

F3 = 62.77 Hz

Fill = minimal

--Vents--

No. of Vents = 4

Vent shape = rectangle

Vent ends = one flush

Hv = 14.46 in

Wv = 1.411 in

Lv = 8 in

Driver Properties

--Description--

Name: Legend CA10-8

Type: Standard one-way driver

Company: Eminence Speaker USA

Comment: Bass Guitar Driver

--Configuration--

No. of Drivers = 4

Mounting = Standard

Wiring = Series-Parallel

Drivers sum coherently = Yes

--Mechanical Parameters--

Fs = 52.85 Hz

Qms = 6.53

Vas = 51.05 liters [204.2]

Cms = 0.3 mm/N [0.075]

Mms = 30.7 g [122.8]

Rms = 1.56 kg/s [6.24]

Xmax = 3.02 mm

Xmech = 7 mm

P-Dia = 209.9 mm [419.9]

Sd = 350.1 sq.cm [1400]

P-Vd = 0.105 liters [0.418]

--Electrical Parameters--

Qes = 0.49

Re = 4.83 ohms [4.83]

Le = 0.51 mH [0.51]

Z = 8 ohms [8]

BL = 10.07 Tm [20.05]

Pe = 200 watts [800]

--Electromech. Parameters--

Qts = 0.456

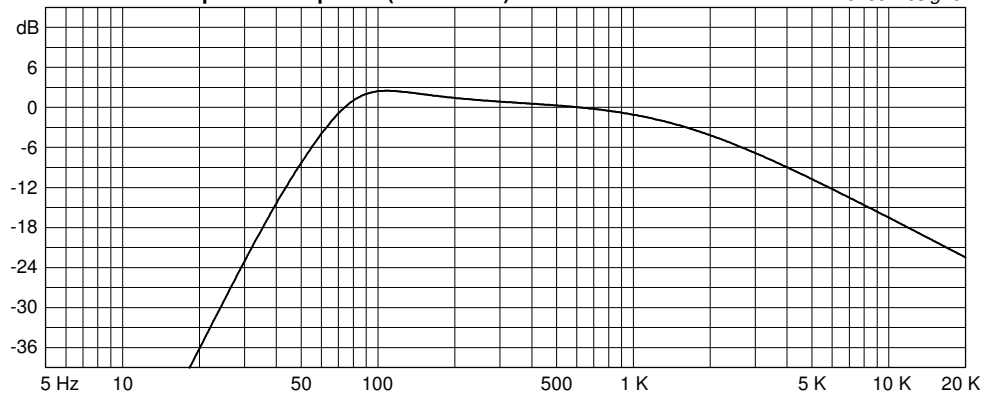
no = 1.483 % [5.931]

1-W SPL = 93.86 dB [99.88]

2.83-V SPL = 96.05 dB [102.1]

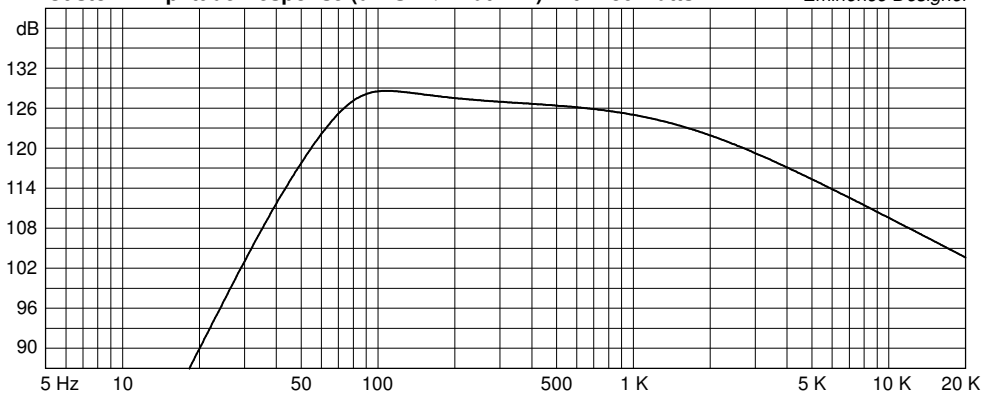
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



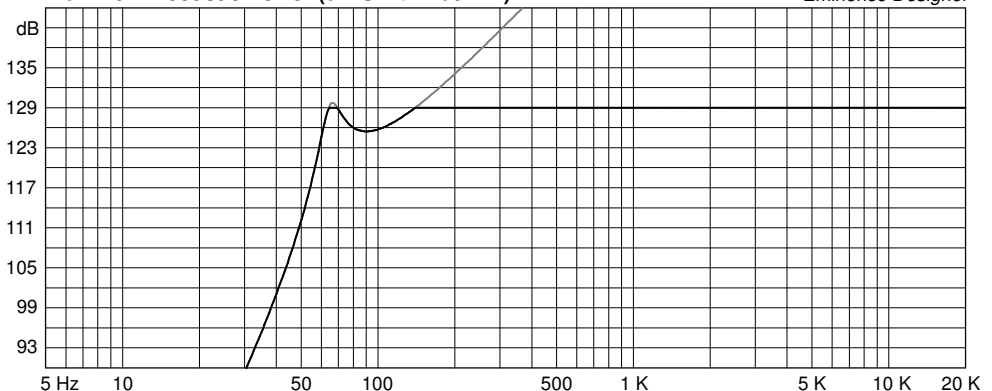
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 250 watts

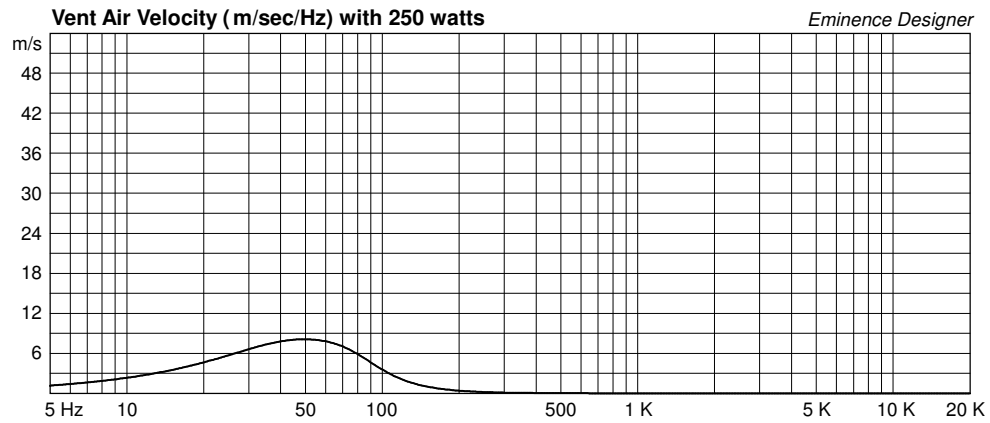
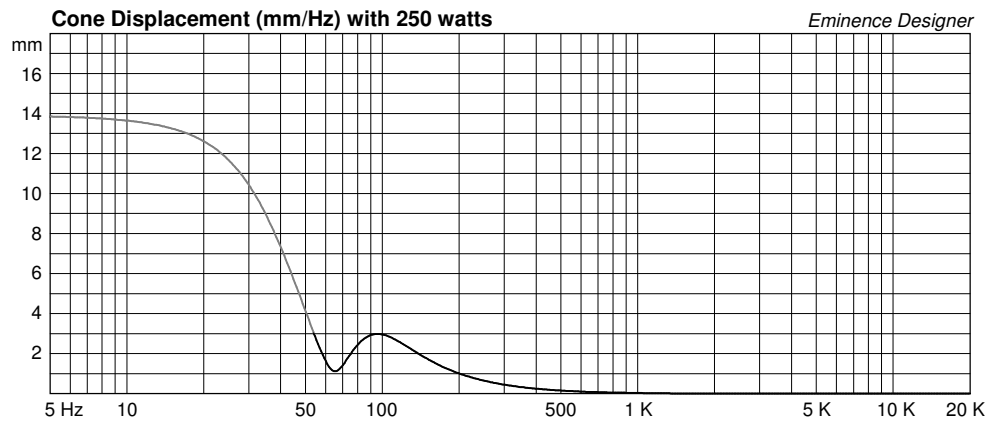
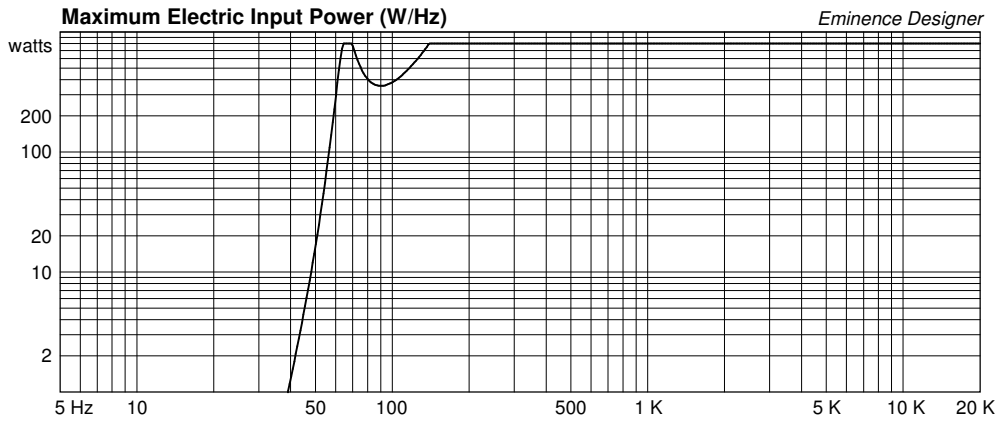
Eminence Designer

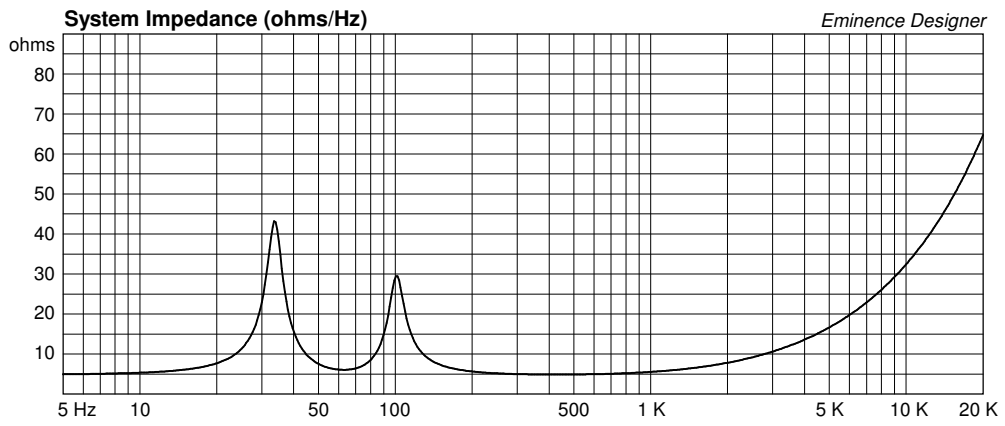


Maximum Acoustic Power (dB-SPL/Hz at 1 m)

Eminence Designer







Legend CA10-8 Large Vented Bass Guitar Cab

By Jerry McNutt, Eminence Speaker LLC

Limit to 35 Watts; F3 at 50 Hz.

Goes low when you need it to. Low Power Handling.



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 1.85 cu.ft

V(total) = 1.958 cu.ft

Fb = 50 Hz

QL = 7

F3 = 50.1 Hz

Fill = minimal

--Vents--

No. of Vents = 1

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 3.616 in

Driver Properties

--Description--

Name: Legend CA10-8

Type: Standard one-way driver

Company: Eminence Speaker USA

Comment: Bass Guitar Driver

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 52.85 Hz

Qms = 6.53

Vas = 51.05 liters

Cms = 0.3 mm/N

Mms = 30.7 g

Rms = 1.56 kg/s

Xmax = 3.02 mm

Xmech = 7 mm

P-Dia = 209.9 mm

Sd = 350.1 sq.cm

P-Vd = 0.105 liters

--Electrical Parameters--

Qes = 0.49

Re = 4.83 ohms

Le = 0.51 mH

Z = 8 ohms

BL = 10.07 Tm

Pe = 200 watts

--Electromech. Parameters--

Qts = 0.456

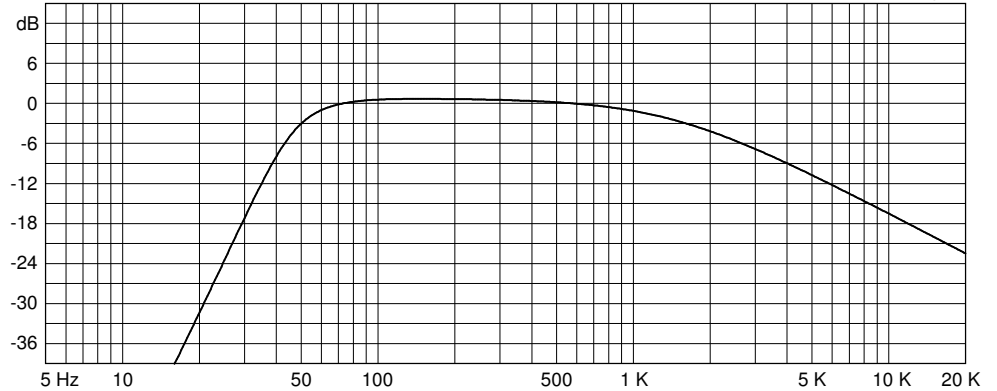
no = 1.483 %

1-W SPL = 93.86 dB

2.83-V SPL = 96.05 dB

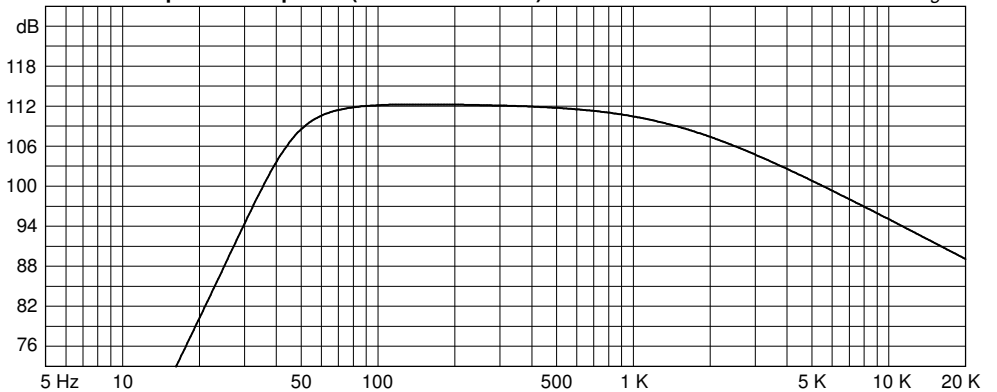
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



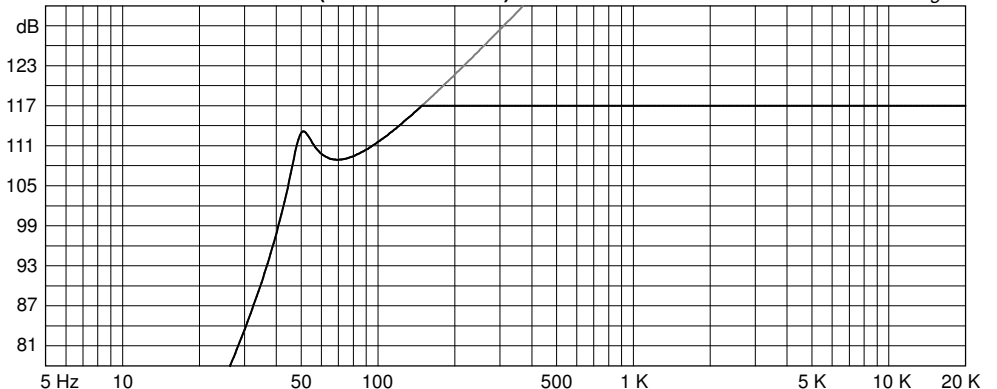
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 35 watts

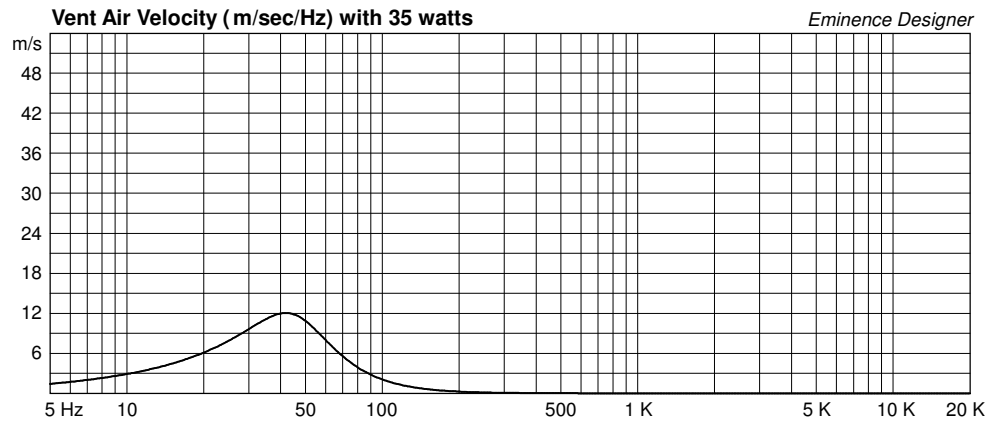
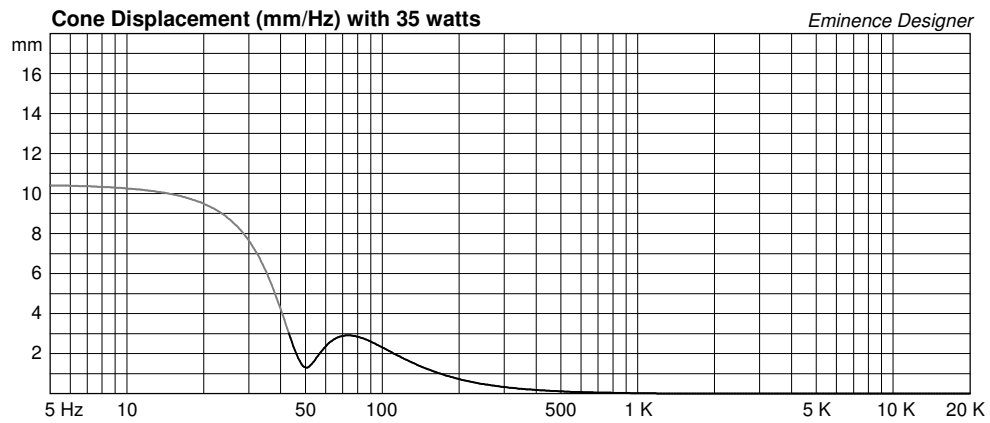
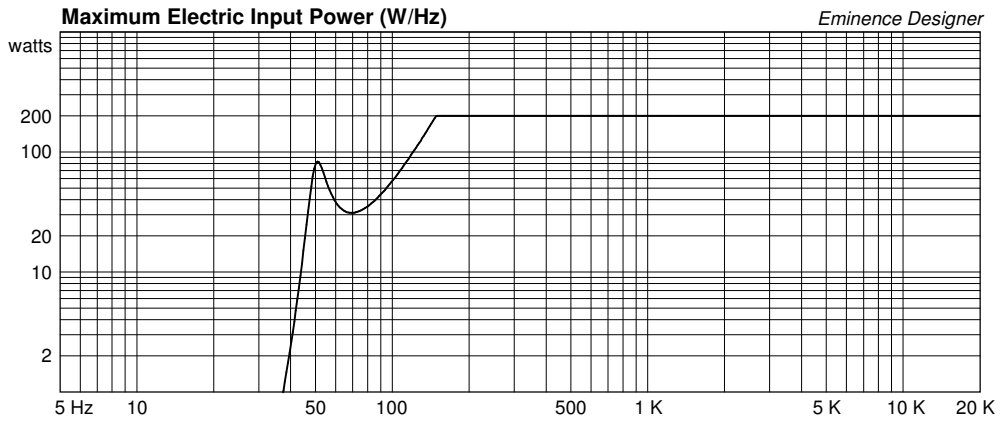
Eminence Designer

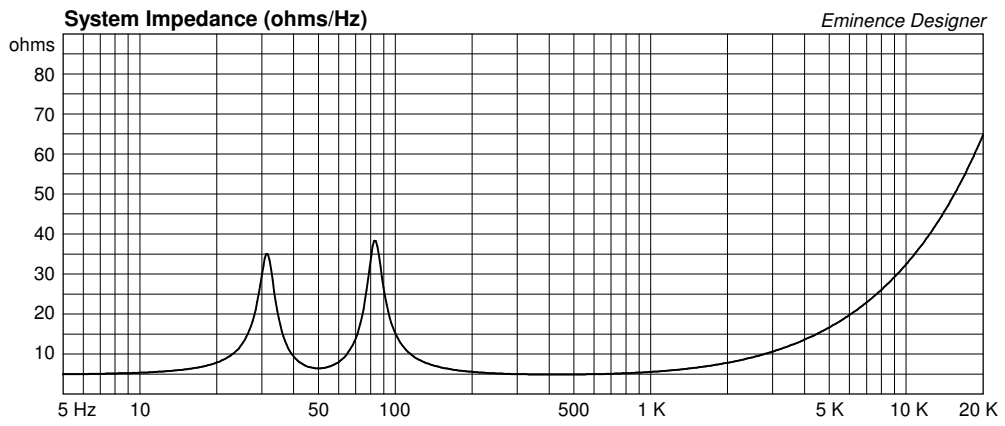


Maximum Acoustic Power (dB-SPL/Hz at 1 m)

Eminence Designer







Legend CA10-8 Med Vented Bass Guitar Cab

By Jerry McNutt, Eminence Speaker LLC
Limit to 55 Watts; F3 at 61 Hz.
Nice all around bass guitar cab.



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 1.2 cu.ft

V(total) = 1.31 cu.ft

Fb = 61 Hz

QL = 7

F3 = 60.5 Hz

Fill = minimal

--Vents--

No. of Vents = 1

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 3.889 in

Driver Properties

--Description--

Name: Legend CA10-8

Type: Standard one-way driver

Company: Eminence Speaker USA

Comment: Bass Guitar Driver

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 52.85 Hz

Qms = 6.53

Vas = 51.05 liters

Cms = 0.3 mm/N

Mms = 30.7 g

Rms = 1.56 kg/s

Xmax = 3.02 mm

Xmech = 7 mm

P-Dia = 209.9 mm

Sd = 350.1 sq.cm

P-Vd = 0.105 liters

--Electrical Parameters--

Qes = 0.49

Re = 4.83 ohms

Le = 0.51 mH

Z = 8 ohms

BL = 10.07 Tm

Pe = 200 watts

--Electromech. Parameters--

Qts = 0.456

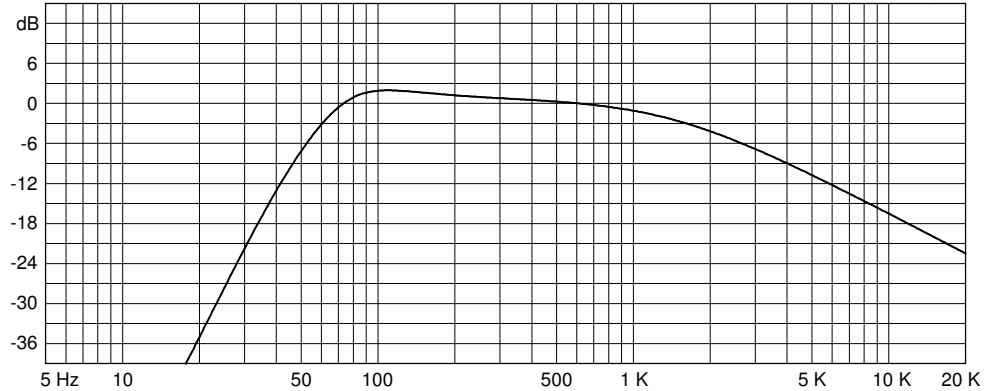
no = 1.483 %

1-W SPL = 93.86 dB

2.83-V SPL = 96.05 dB

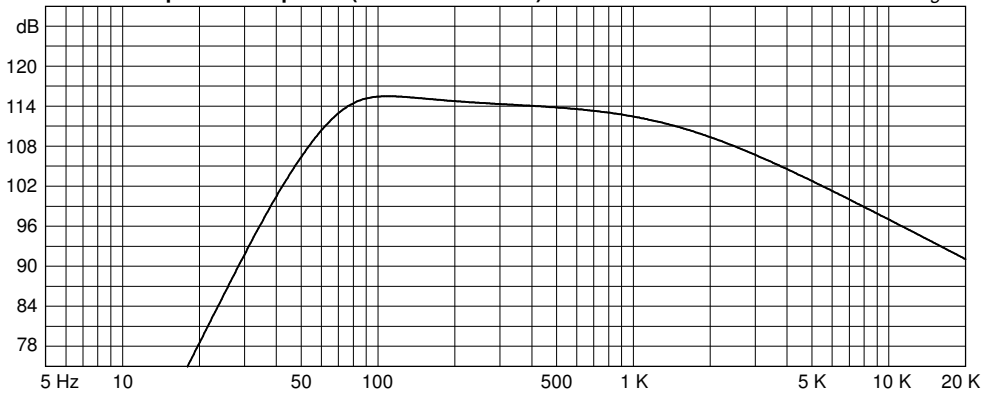
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



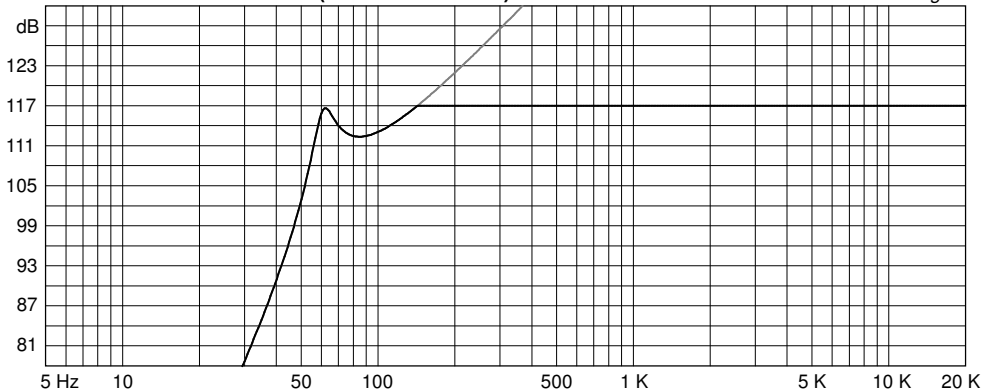
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 55 watts

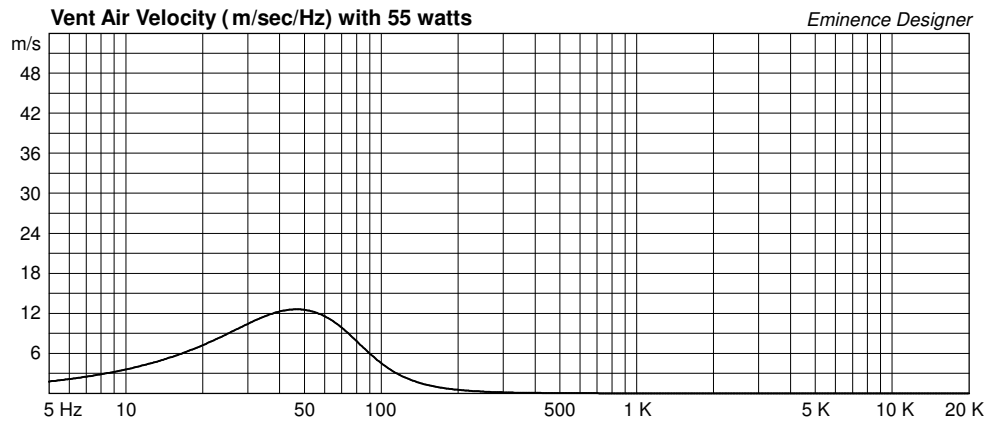
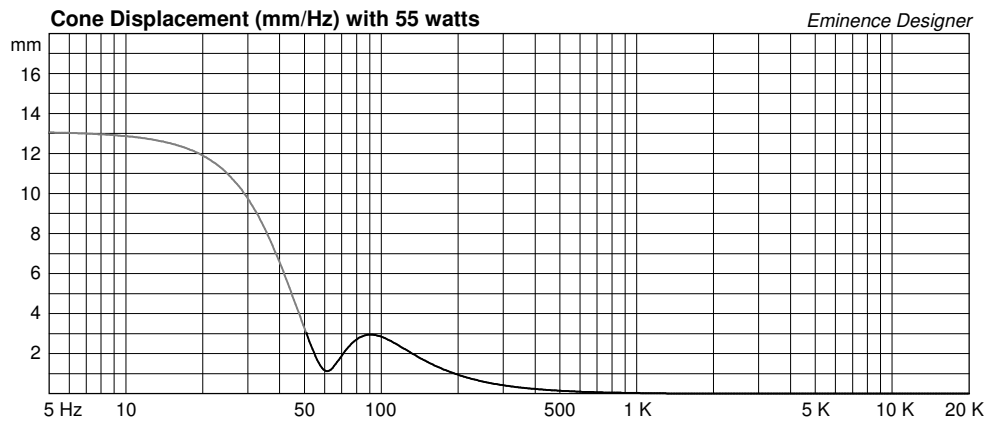
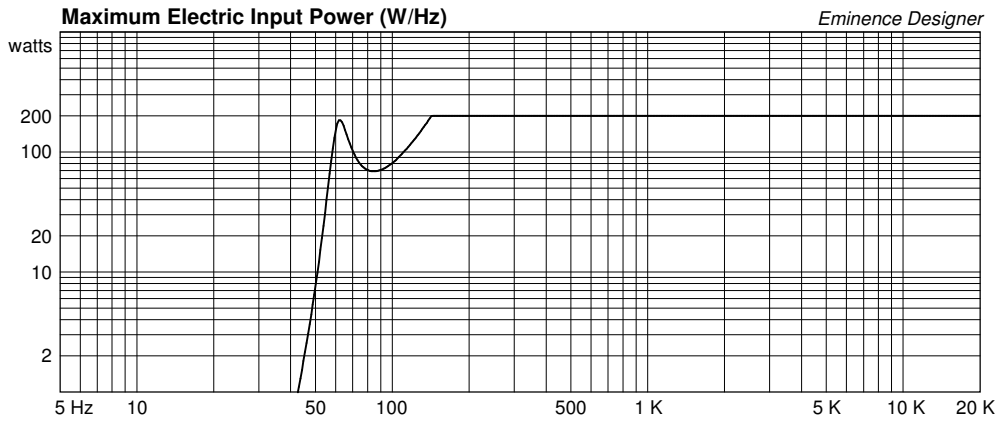
Eminence Designer

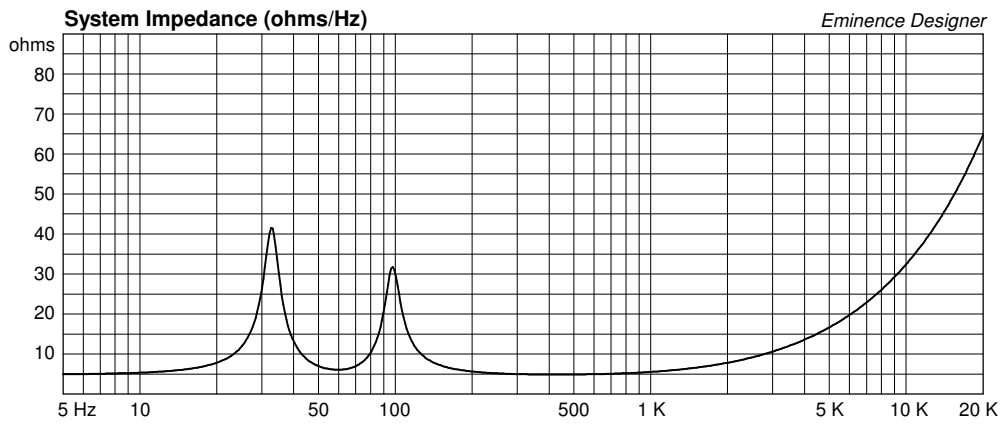


Maximum Acoustic Power (dB-SPL/Hz at 1 m)

Eminence Designer







Legend CA10-8 Small Vented Bass Guitar Cab

By Jerry McNutt, Eminence Speaker LLC

Limit to 80 Watts; F3 at 70 Hz.

Not for Full Range Use; best used on top of a 15".



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 0.85 cu.ft

V(total) = 0.965 cu.ft

Fb = 70 Hz

QL = 7

F3 = 70.29 Hz

Fill = minimal

--Vents--

No. of Vents = 1

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 4.457 in

Driver Properties

--Description--

Name: Legend CA10-8

Type: Standard one-way driver

Company: Eminence Speaker USA

Comment: Bass Guitar Driver

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 52.85 Hz

Qms = 6.53

Vas = 51.05 liters

Cms = 0.3 mm/N

Mms = 30.7 g

Rms = 1.56 kg/s

Xmax = 3.02 mm

Xmech = 7 mm

P-Dia = 209.9 mm

Sd = 350.1 sq.cm

P-Vd = 0.105 liters

--Electrical Parameters--

Qes = 0.49

Re = 4.83 ohms

Le = 0.51 mH

Z = 8 ohms

BL = 10.07 Tm

Pe = 200 watts

--Electromech. Parameters--

Qts = 0.456

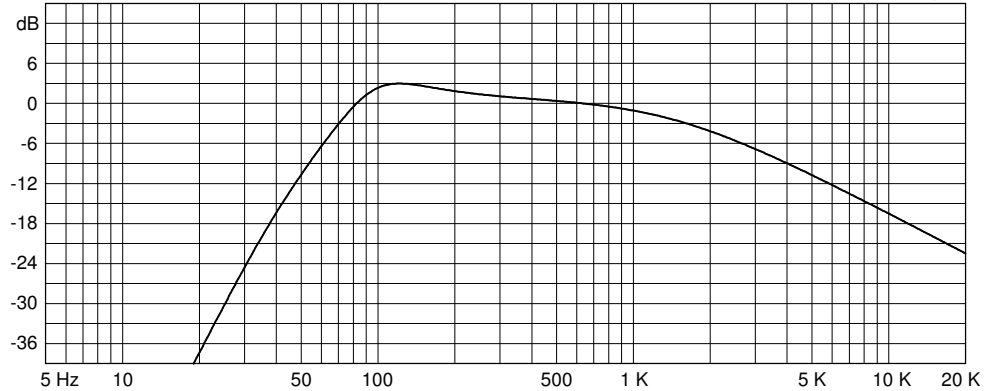
no = 1.483 %

1-W SPL = 93.86 dB

2.83-V SPL = 96.05 dB

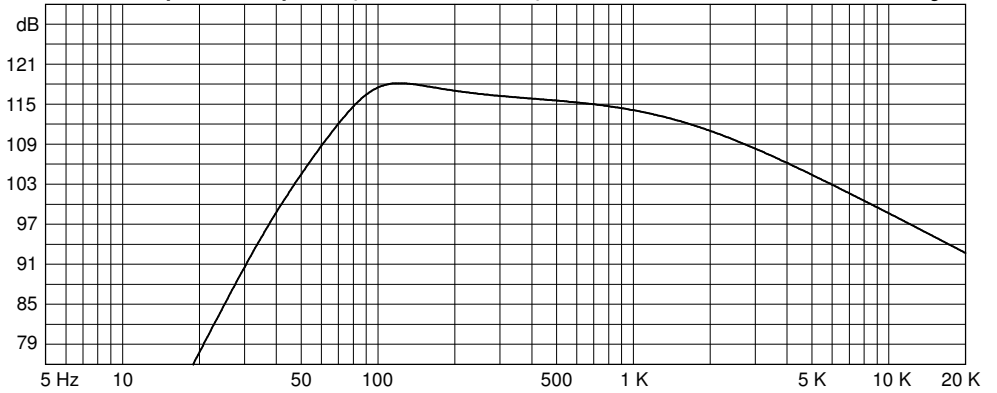
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



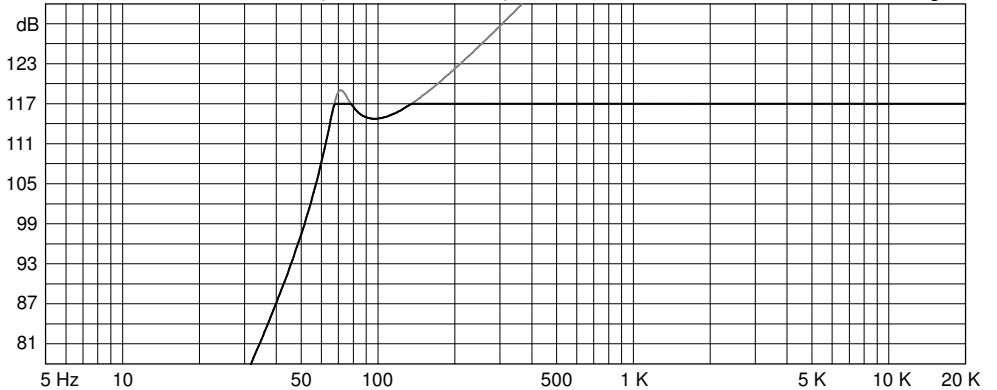
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 80 watts

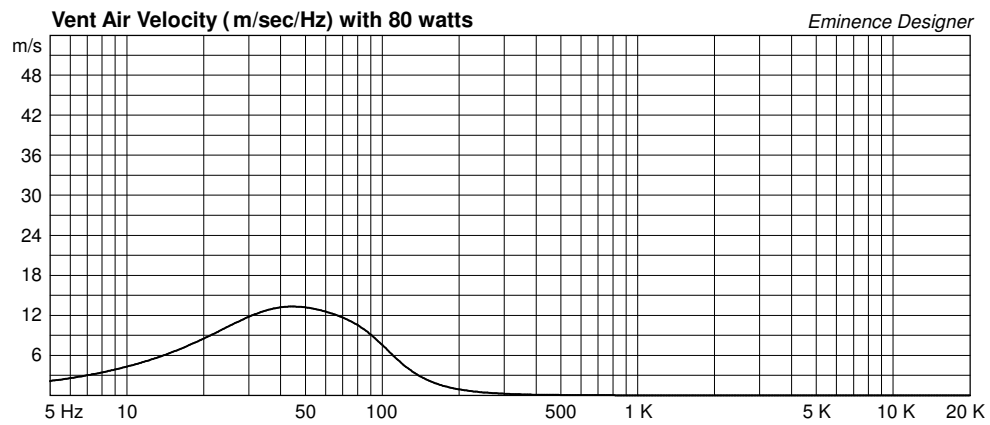
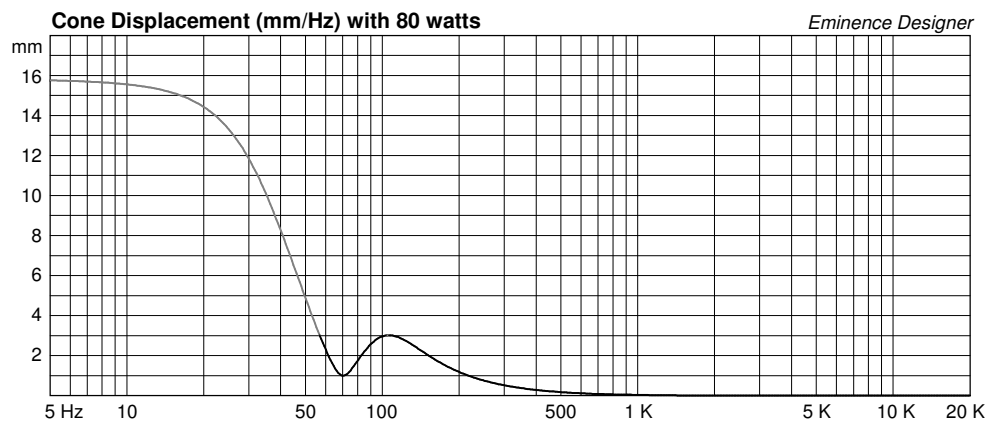
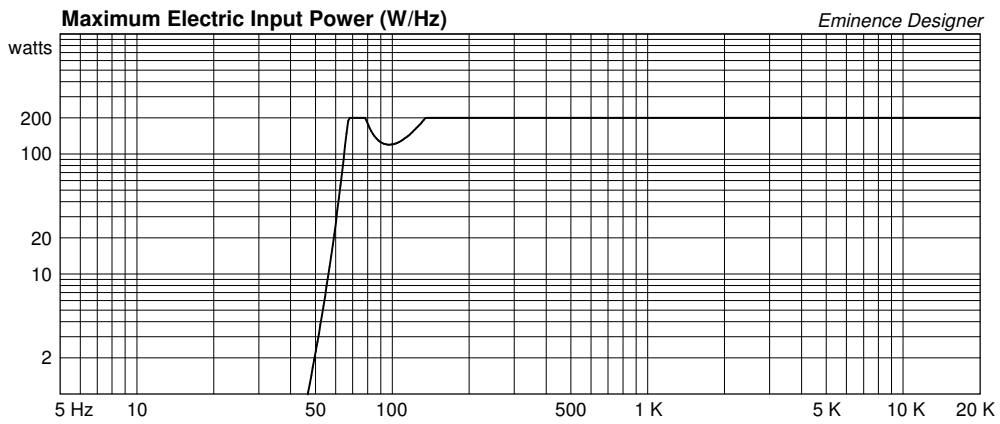
Eminence Designer

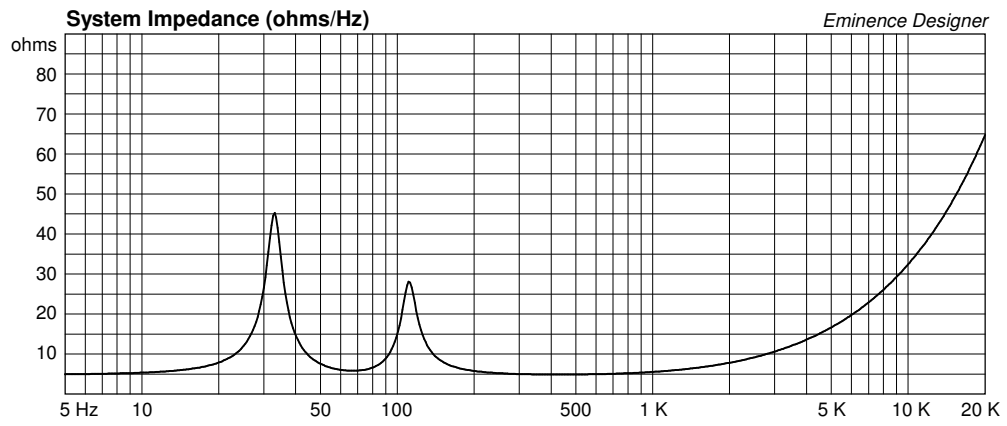


Maximum Acoustic Power (dB-SPL/Hz at 1 m)

Eminence Designer







Legend CA10-8 Classic 2x10 Bass Cabinet

By Jerry McNutt, Eminence Speaker LLC

Limit to 100 Watts; F3 at 64Hz.

Classic Vented Bass Guitar Cabinet Design



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 2.208 cu.ft

V(total) = 2.487 cu.ft

Fb = 50.01 Hz

QL = 7

F3 = 63.78 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = rectangle

Vent ends = one flush

Hv = 1 in

Wv = 10.25 in

Lv = 8 in

Driver Properties

--Description--

Name: Legend CA10-8

Type: Standard one-way driver

Company: Eminence Speaker USA

Comment: Bass Guitar Driver

--Configuration--

No. of Drivers = 2

Mounting = Standard

Wiring = Parallel

Drivers sum coherently = Yes

--Mechanical Parameters--

Fs = 52.85 Hz

Qms = 6.53

Vas = 51.05 liters [102.1]

Cms = 0.3 mm/N [0.15]

Mms = 30.7 g [61.4]

Rms = 1.56 kg/s [3.12]

Xmax = 3.02 mm

Xmech = 7 mm

P-Dia = 209.9 mm [296.9]

Sd = 350.1 sq.cm [700.2]

P-Vd = 0.105 liters [0.209]

--Electrical Parameters--

Qes = 0.49

Re = 4.83 ohms [2.415]

Le = 0.51 mH [0.255]

Z = 8 ohms [4]

BL = 10.07 Tm [10.02]

Pe = 200 watts [400]

--Electromech. Parameters--

Qts = 0.456

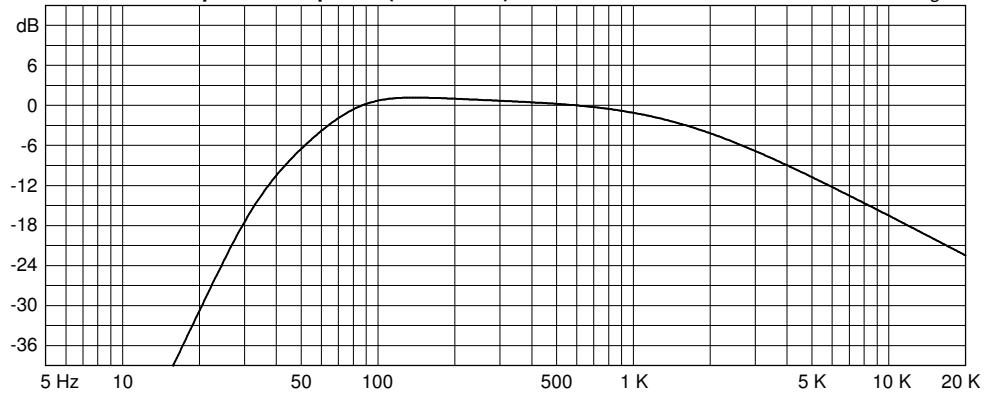
no = 1.483 % [2.966]

1-W SPL = 93.86 dB [96.87]

2.83-V SPL = 96.05 dB [102.1]

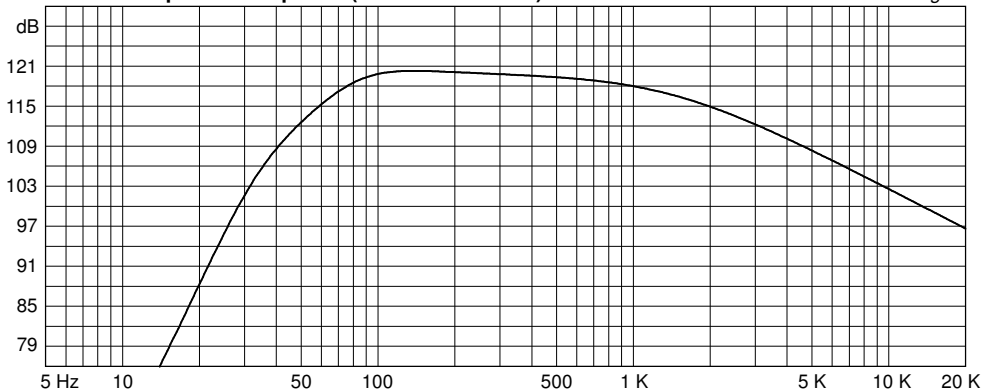
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



Custom Amplitude Response (dB-SPL/Hz at 1 m) with 100 watts

Eminence Designer



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

Eminence Designer

