

# Legend CA10-32 Eight By Ten Bass Guitar Cab

By Jerry McNutt, Eminence Speaker LLC

Limit to 500 Watts; F3 at 71 Hz.

Drivers all in parallel for a solid 4 ohm load. Loud and Proud.



## Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 6.5 cu.ft

V(total) = 7.41 cu.ft

Fb = 57 Hz

QL = 7

F3 = 71.11 Hz

Fill = minimal

--Vents--

No. of Vents = 4

Vent shape = rectangle

Vent ends = one flush

Hv = 1.85 in

Wv = 10.25 in

Lv = 5.532 in

## Driver Properties

--Description--

Name: Legend CA10-32

Type: Standard one-way driver

Company: Eminence Speaker USA

Comment: Bass Guitar Driver

--Configuration--

**No. of Drivers = 8**

Mounting = Standard

Wiring = Parallel

Drivers sum coherently = Yes

--Mechanical Parameters--

Fs = 55.02 Hz

Qms = 7.16

Vas = 47.64 liters [381.1]

Cms = 0.28 mm/N [0.035]

Mms = 29.37 g [235]

Rms = 1.42 kg/s [11.36]

Xmax = 3.02 mm

Xmech = 7 mm

P-Dia = 209.9 mm [593.8]

Sd = 350.1 sq.cm [2801]

P-Vd = 0.105 liters [0.836]

--Electrical Parameters--

Qes = 0.58

Re = 22.12 ohms [2.765]

Le = 2.07 mH [0.259]

Z = 32 ohms [4]

BL = 19.74 Tm [19.68]

Pe = 175 watts [1400]

--Electromech. Parameters--

Qts = 0.537

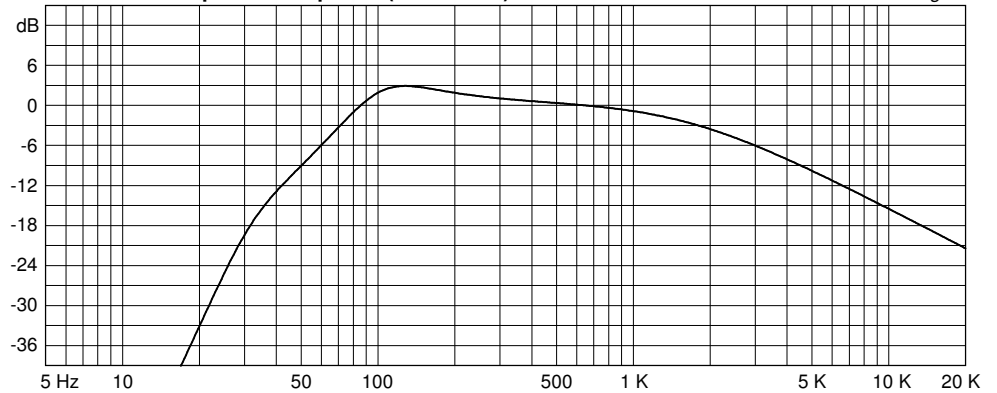
no = 1.319 % [10.55]

1-W SPL = 93.35 dB [102.4]

2.83-V SPL = 88.93 dB [107]

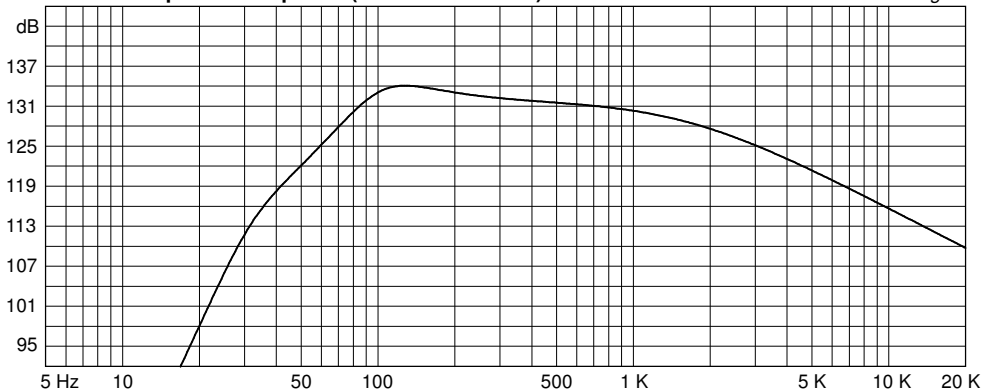
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



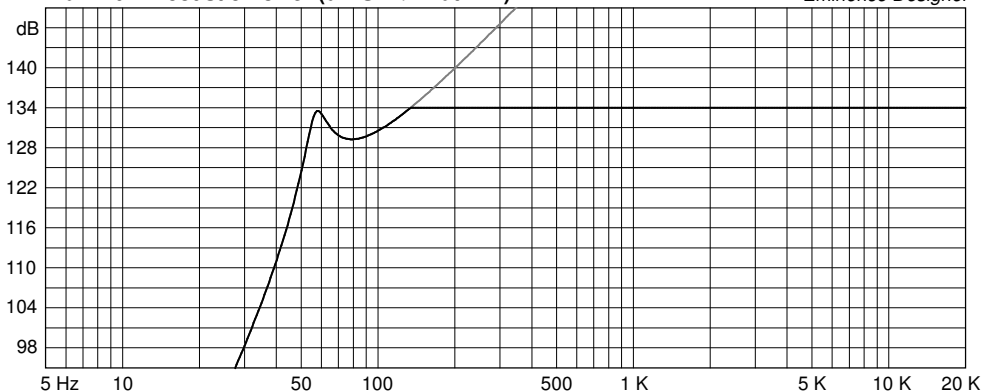
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 500 watts

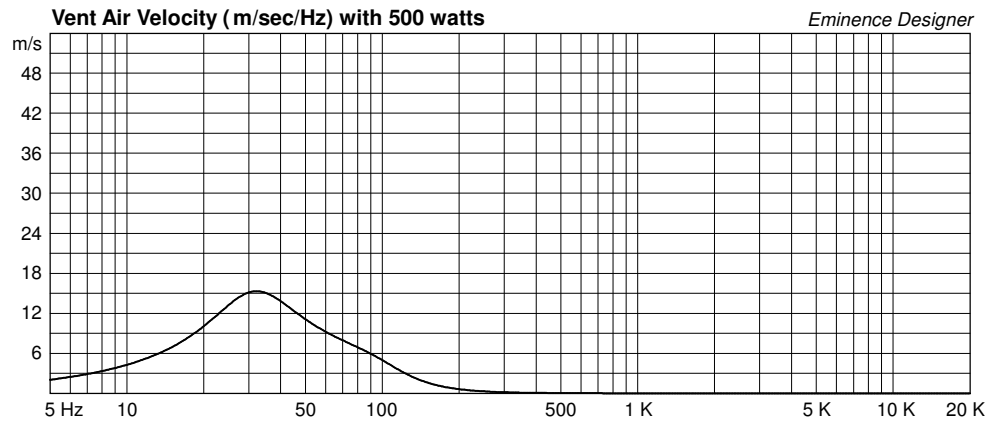
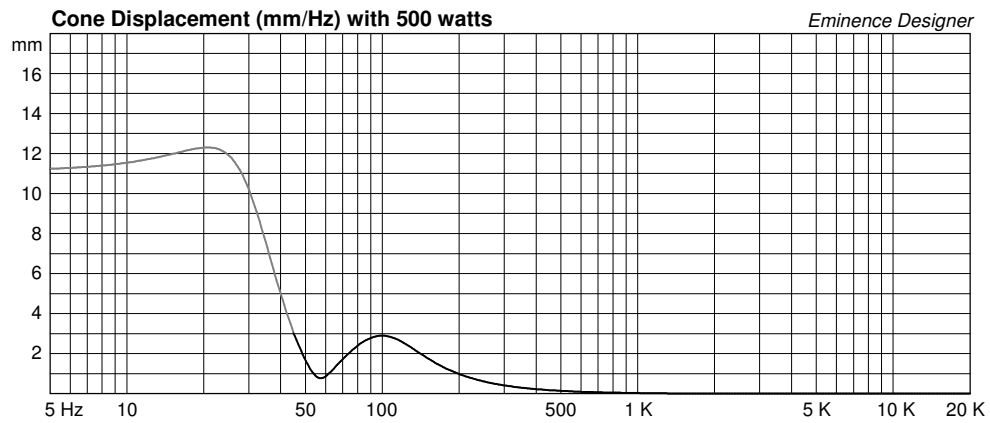
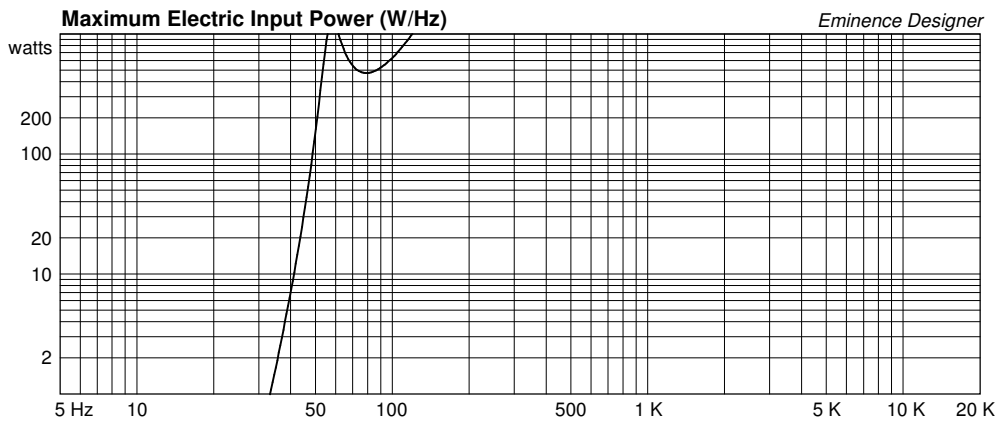
Eminence Designer

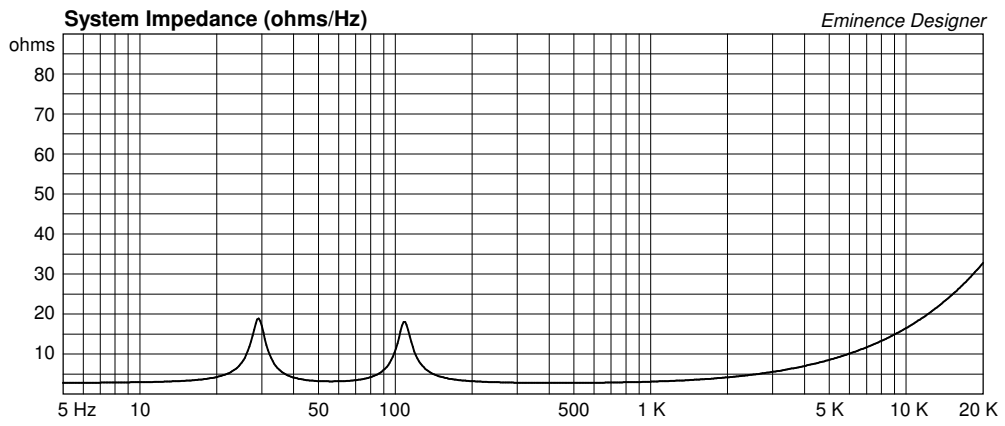


Maximum Acoustic Power (dB-SPL/Hz at 1 m)

Eminence Designer







# Legend CA10-32 Four by Ten Bass Guitar Cab

By Jerry McNutt, Eminence Speaker LLC

Limit to 275 Watts; F3 at 67 Hz.

Drivers all in parallel for a solid 8 ohm load.



## Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 3.75 cu.ft

V(total) = 4.204 cu.ft

Fb = 64 Hz

QL = 7

F3 = 67.19 Hz

Fill = minimal

--Vents--

No. of Vents = 4

Vent shape = rectangle

Vent ends = one flush

Hv = 1 in

Wv = 10.25 in

Lv = 4.623 in

## Driver Properties

--Description--

Name: Legend CA10-32

Type: Standard one-way driver

Company: Eminence Speaker USA

Comment: Bass Guitar Driver

--Configuration--

**No. of Drivers = 4**

Mounting = Standard

Wiring = Parallel

Drivers sum coherently = Yes

--Mechanical Parameters--

Fs = 55.02 Hz

Qms = 7.16

Vas = 47.64 liters [190.6]

Cms = 0.28 mm/N [0.07]

Mms = 29.37 g [117.5]

Rms = 1.42 kg/s [5.68]

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 = 0.58

Re = 22.12 ohms [5.53]

Le = 2.07 mH [0.518]

Z = 32 ohms [8]

BL = 19.74 Tm [19.68]

Pe = 175 watts [700]

--Electromech. Parameters--

Qts = 0.537

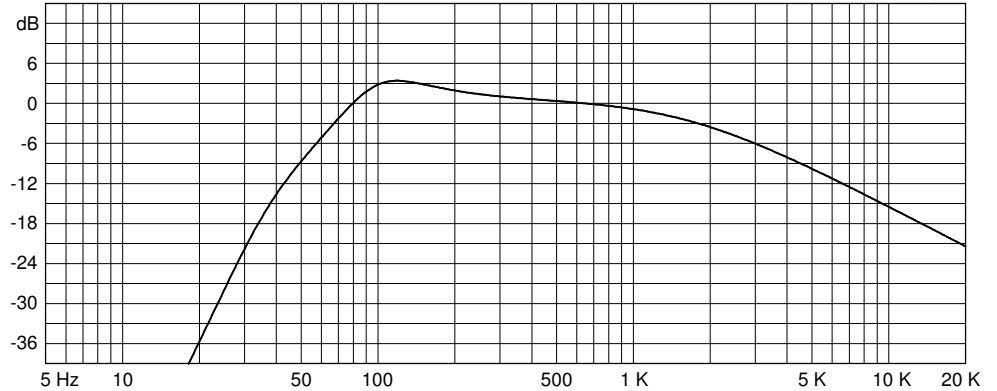
no = 1.319 % [5.276]

1-W SPL = 93.35 dB [99.37]

2.83-V SPL = 88.93 dB [101]

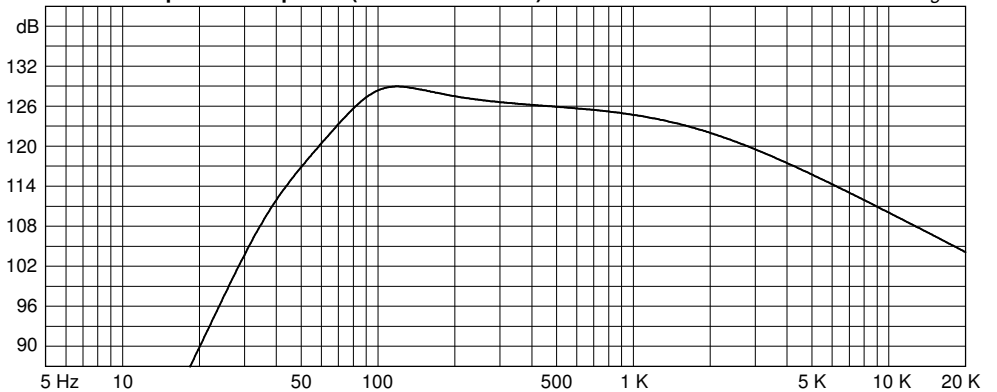
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



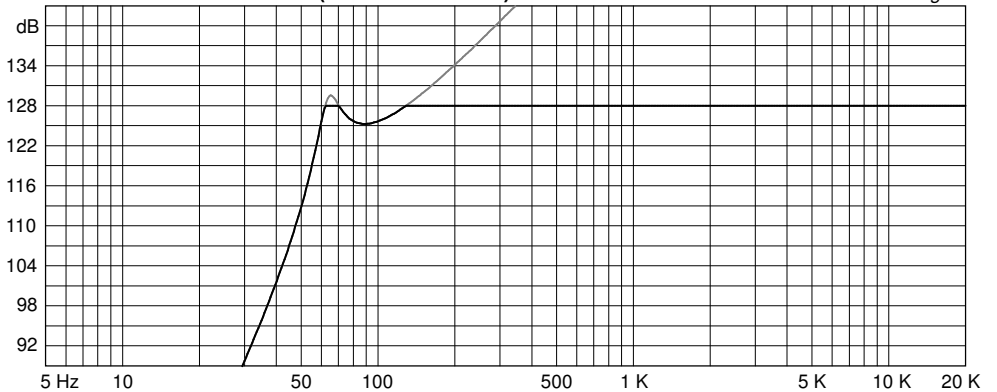
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 275 watts

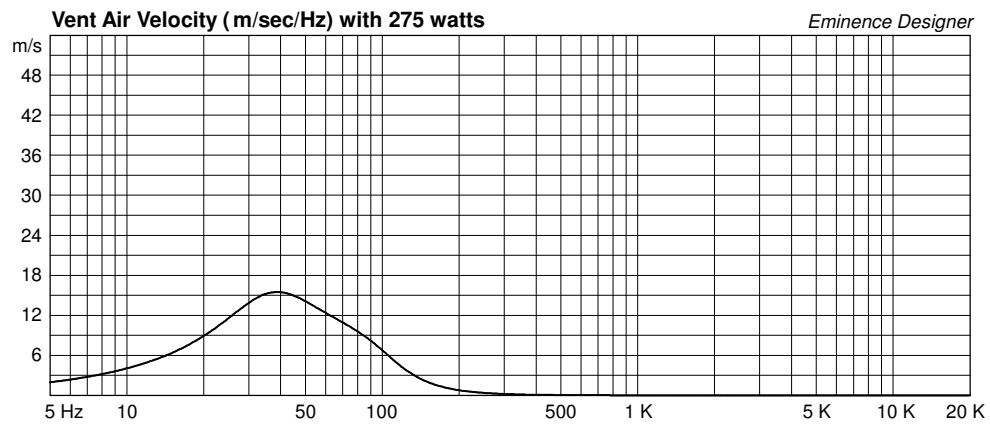
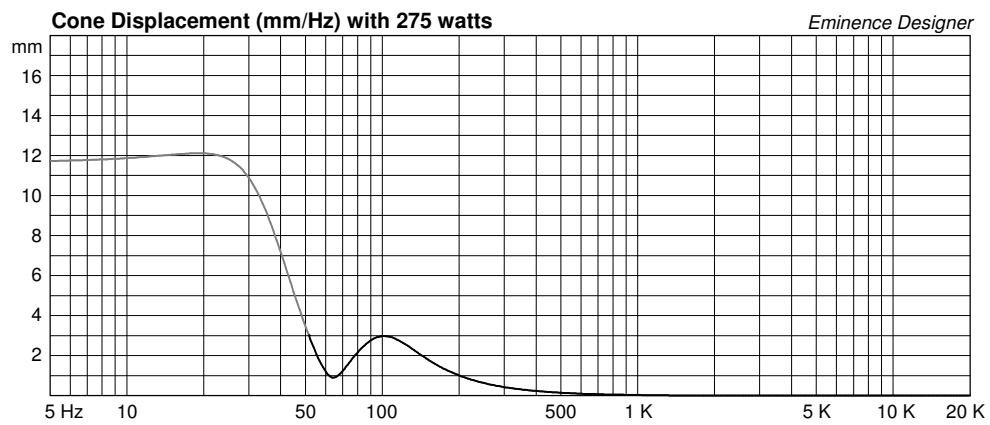
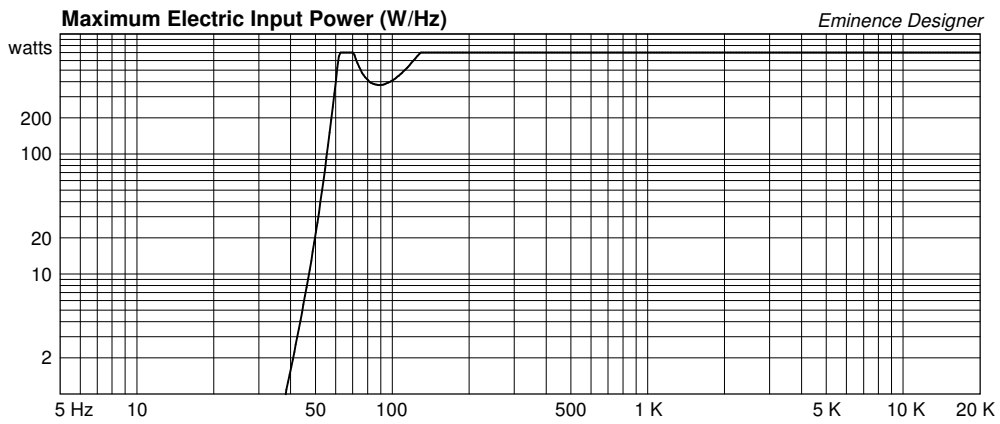
Eminence Designer

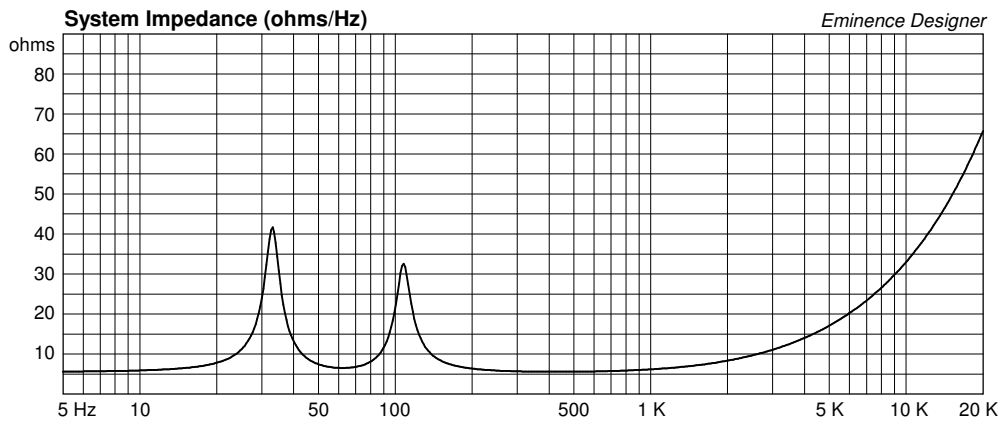


Maximum Acoustic Power (dB-SPL/Hz at 1 m)

Eminence Designer







# Legend CA10-32 Medium Vented Bass Guitar

By Jerry McNutt, Eminence Speaker LLC

Limit to 55 Watts; F3 at 58 Hz.

Building Block Bass Guitar Cab; combine or use in multiples.



## Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 1.5 cu.ft

V(total) = 1.591 cu.ft

Fb = 65 Hz

QL = 7

F3 = 57.7 Hz

Fill = minimal

--Vents--

No. of Vents = 1

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 1.558 in

## Driver Properties

--Description--

Name: Legend CA10-32

Type: Standard one-way driver

Company: Eminence Speaker USA

Comment: Bass Guitar Driver

--Configuration--

**No. of Drivers = 1**

--Mechanical Parameters--

Fs = 55.02 Hz

Qms = 7.16

Vas = 47.64 liters

Cms = 0.28 mm/N

Mms = 29.37 g

Rms = 1.42 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 = 0.58

Re = 22.12 ohms

Le = 2.07 mH

Z = 32 ohms

BL = 19.74 Tm

Pe = 175 watts

--Electromech. Parameters--

Qts = 0.537

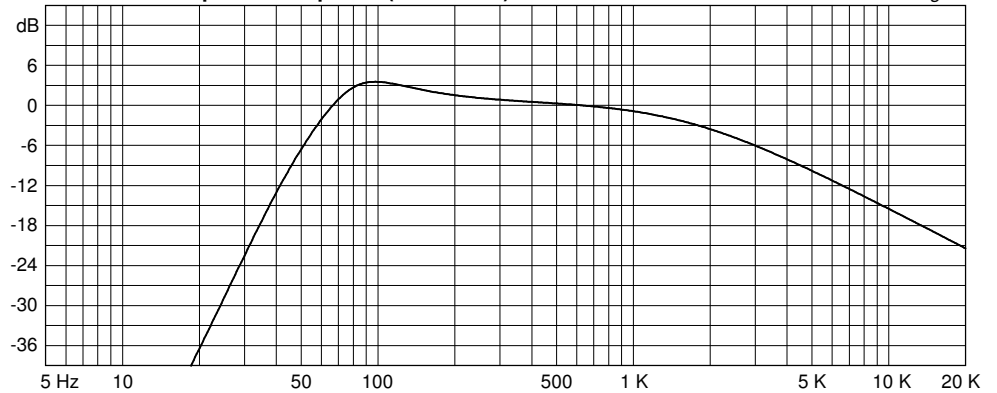
no = 1.319 %

1-W SPL = 93.35 dB

2.83-V SPL = 88.93 dB

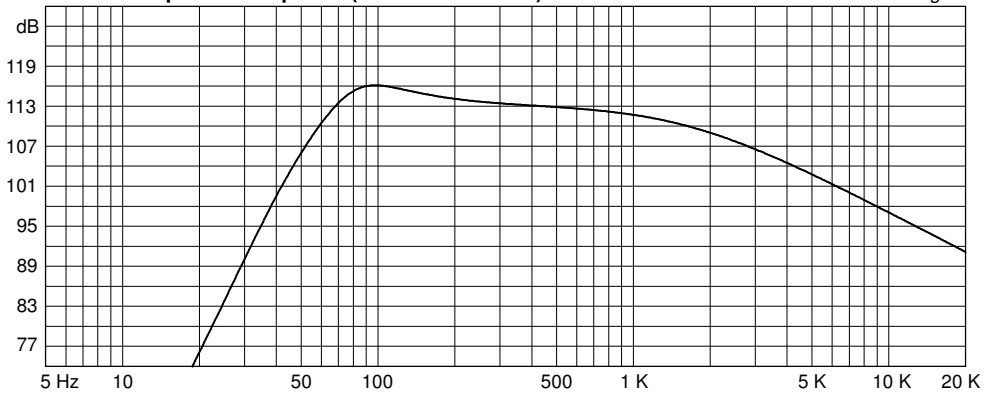
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



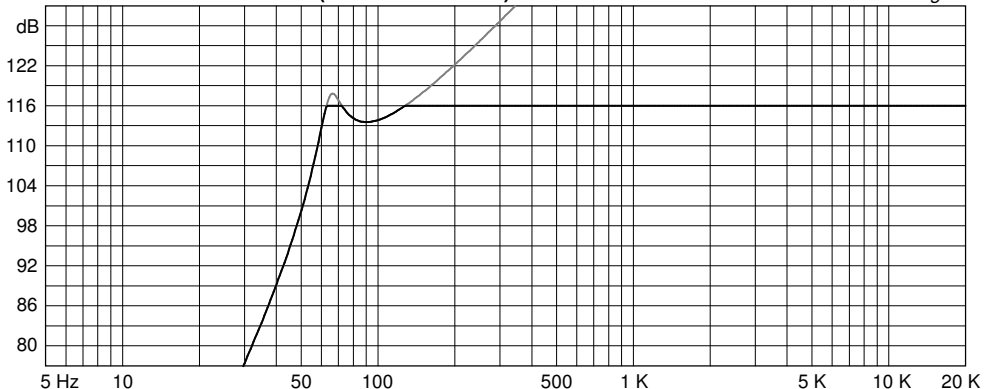
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 55 watts

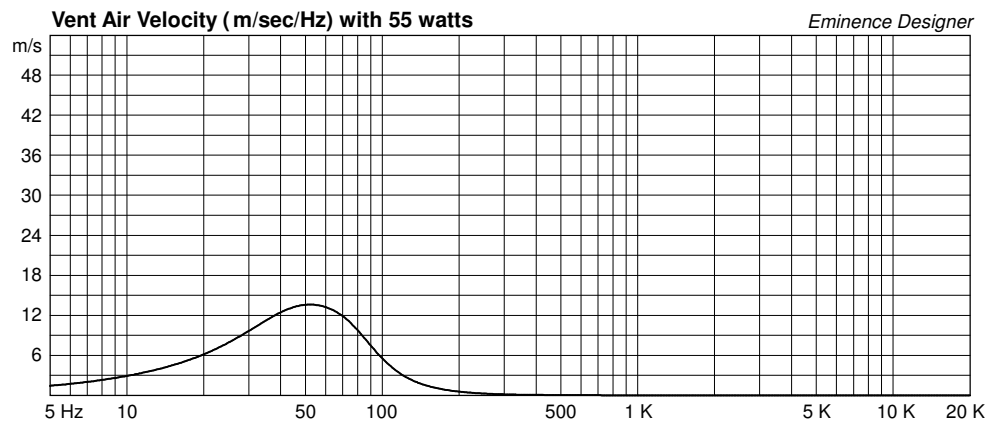
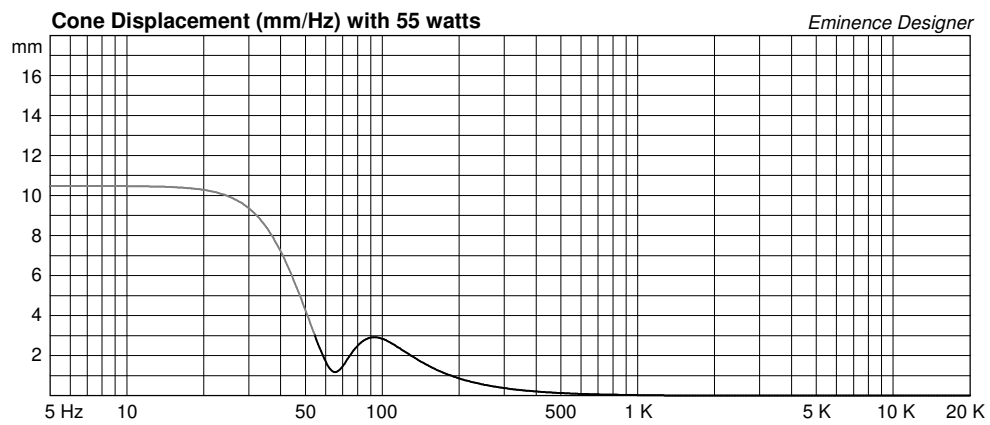
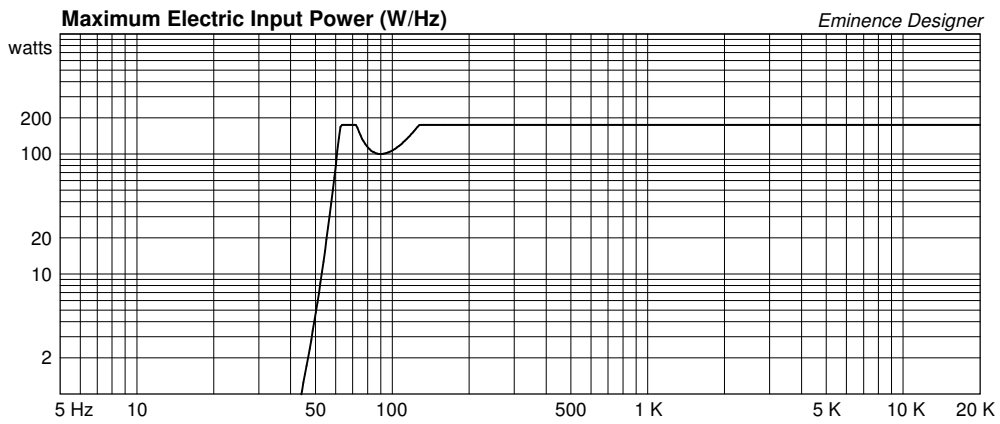
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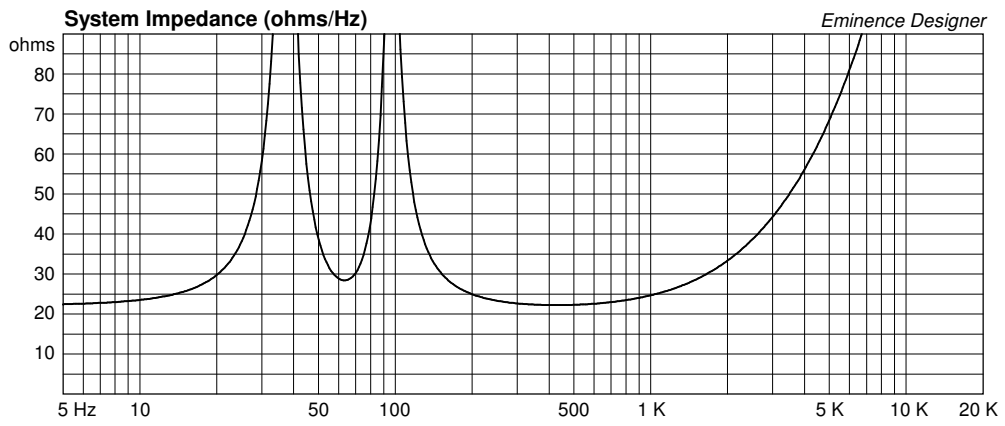
Maximum Acoustic Power (dB-SPL/Hz at 1 m)

Eminence Designer









# Legend CA10-32 Small Vented Bass Guitar Cab

By Jerry McNutt, Eminence Speaker LLC

Limit to 85 Watts; F3 at 74 Hz. Use a Steep High Pass filter at 90 Hz.

Not for Full Range Use; use on top of a 15 or 18 woofer.



## Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 0.75 cu.ft

V(total) = 0.874 cu.ft

Fb = 70 Hz

QL = 7

F3 = 74.06 Hz

Fill = minimal

--Vents--

No. of Vents = 1

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 5.585 in

## Driver Properties

--Description--

Name: Legend CA10-32

Type: Standard one-way driver

Company: Eminence Speaker USA

Comment: Bass Guitar Driver

--Configuration--

**No. of Drivers = 1**

--Mechanical Parameters--

Fs = 55.02 Hz

Qms = 7.16

Vas = 47.64 liters

Cms = 0.28 mm/N

Mms = 29.37 g

Rms = 1.42 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 = 0.58

Re = 22.12 ohms

Le = 2.07 mH

Z = 32 ohms

BL = 19.74 Tm

Pe = 175 watts

--Electromech. Parameters--

Qts = 0.537

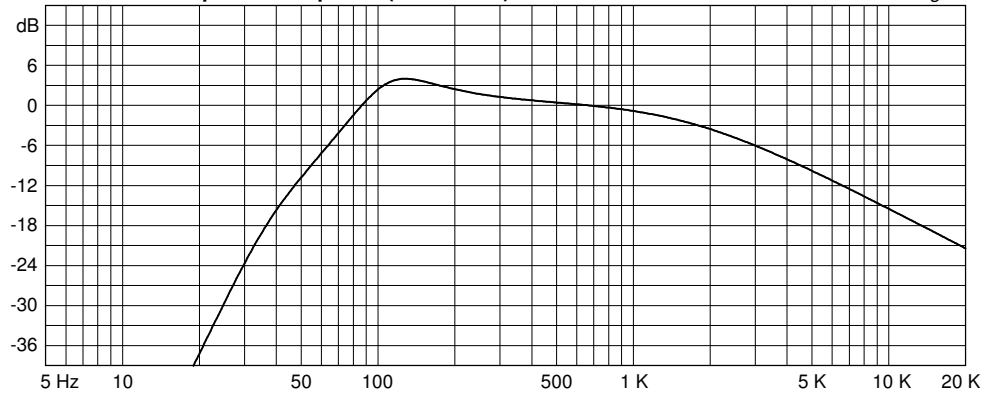
no = 1.319 %

1-W SPL = 93.35 dB

2.83-V SPL = 88.93 dB

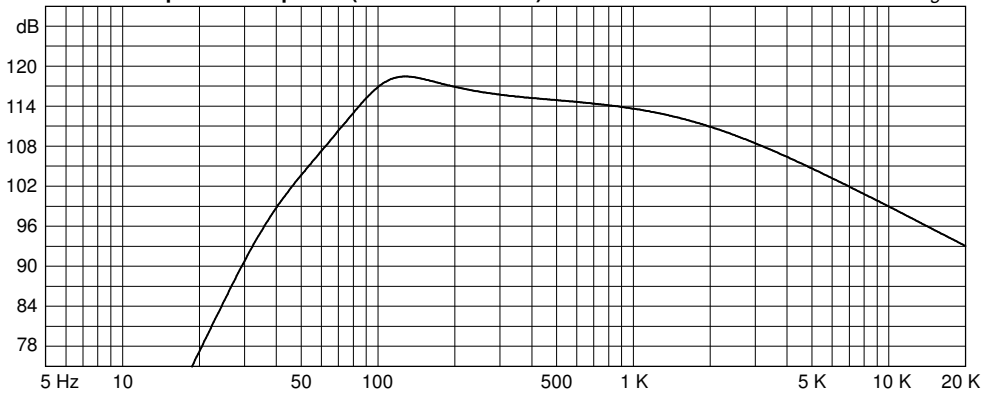
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



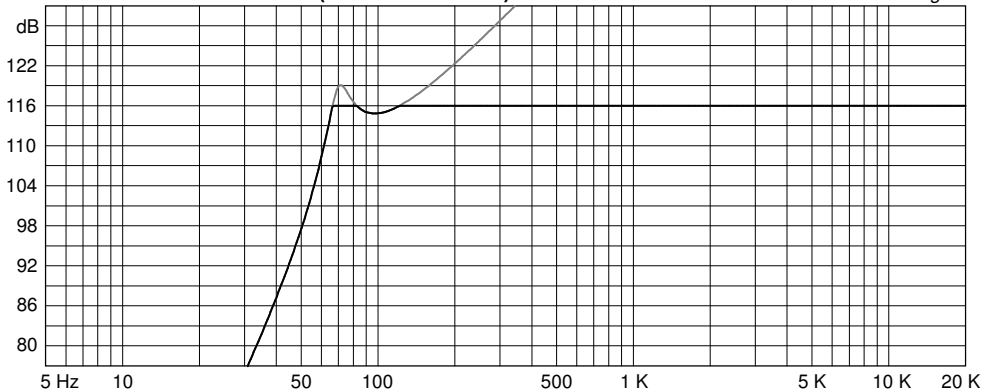
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 85 watts

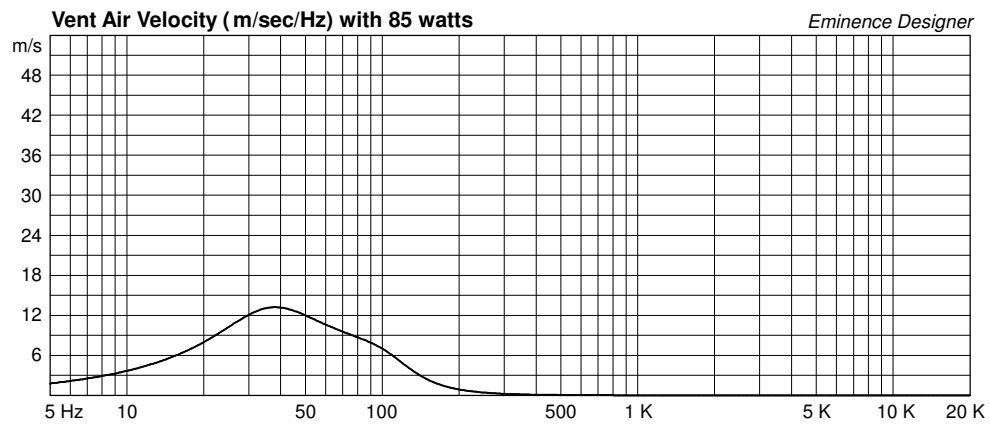
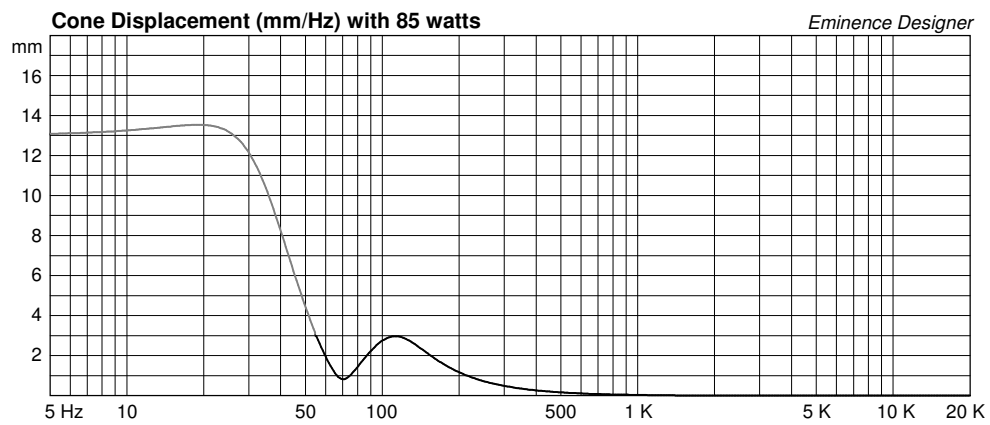
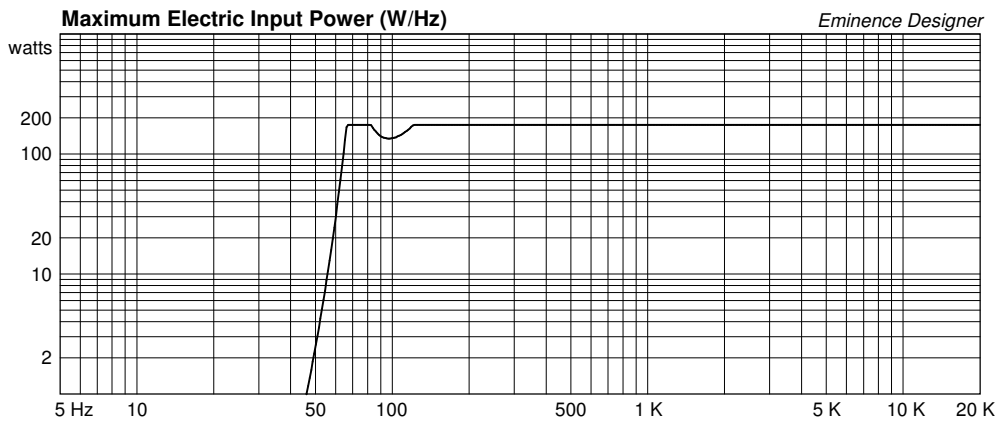
Eminence Designer

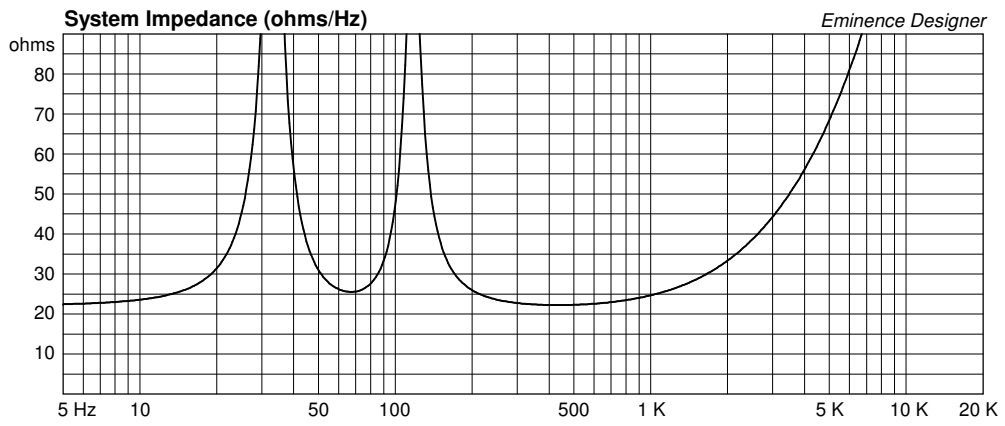


Maximum Acoustic Power (dB-SPL/Hz at 1 m)

Eminence Designer







# Legend CA10-32 Large Vented Bass Guitar Cab

By Jerry McNutt, Eminence Speaker LLC

Limit to 40 Watts; F3 at 50 Hz.

Goes low, but also has low power handling.



## Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 1.85 cu.ft

V(total) = 1.952 cu.ft

Fb = 52.84 Hz

QL = 7

F3 = 50.35 Hz

Fill = minimal

--Vents--

No. of Vents = 1

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 2.819 in

## Driver Properties

--Description--

Name: Legend CA10-32

Type: Standard one-way driver

Company: Eminence Speaker USA

Comment: Bass Guitar Driver

--Configuration--

**No. of Drivers = 1**

--Mechanical Parameters--

Fs = 55.02 Hz

Qms = 7.16

Vas = 47.64 liters

Cms = 0.28 mm/N

Mms = 29.37 g

Rms = 1.42 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 = 0.58

Re = 22.12 ohms

Le = 2.07 mH

Z = 32 ohms

BL = 19.74 Tm

Pe = 175 watts

--Electromech. Parameters--

Qts = 0.537

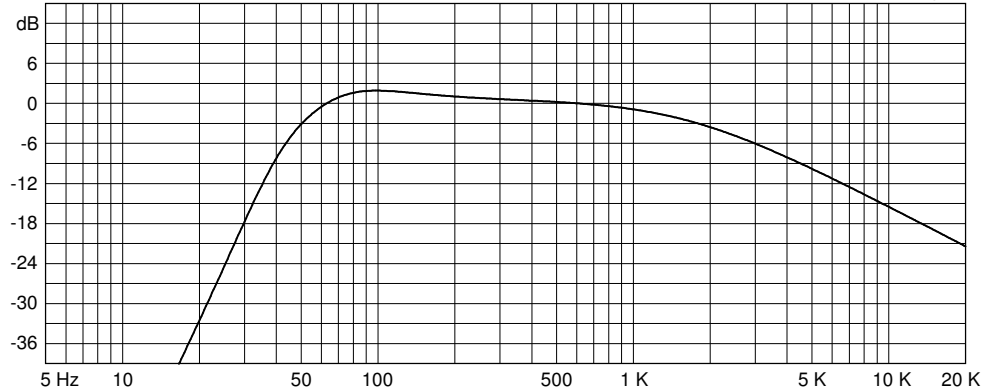
no = 1.319 %

1-W SPL = 93.35 dB

2.83-V SPL = 88.93 dB

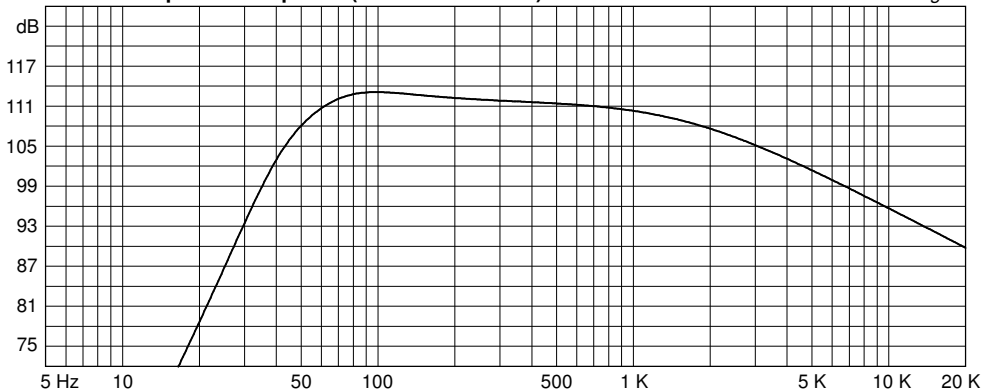
Normalized Amplitude Response (dB-SPL/Hz)

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Custom Amplitude Response (dB-SPL/Hz at 1 m) with 40 watts

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

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