

Basslite SC10-16 Large Sealed 2x10

By Anthony Lucas, Eminence Speaker

200 watts, F3 87Hz

Use high-pass filter at 75Hz for added protection



Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 2.7 cu.ft

V(total) = 2.857 cu.ft

Qtc = 0.624

QL = 19.72

F3 = 86.67 Hz

Fill = heavy

Driver Properties

--Description--

Name: Basslite SC10-16

Type: Standard one-way driver

Company: Eminence Speaker LLC USA

--Configuration--

No. of Drivers = 2

Mounting = Standard

Wiring = Parallel

Drivers sum coherently = Yes

--Mechanical Parameters--

Fs = 45.82 Hz

Qms = 2.23

Vas = 78.27 liters [156.5]

Cms = 0.46 mm/N [0.23]

Mms = 26.25 g [52.5]

Rms = 3.39 kg/s [6.78]

Xmax = 4.4 mm

Xmech = 6.6 mm

P-Dia = 209.9 mm [296.8]

Sd = 350.1 sq.cm [700.2]

P-Vd = 0.152 liters [0.304]

--Electrical Parameters--

Qes = 0.56

Re = 12.21 ohms [6.105]

Le = 0.89 mH [0.445]

Z = 16 ohms [8]

BL = 12.79 Tm [12.84]

Pe = 150 watts [300]

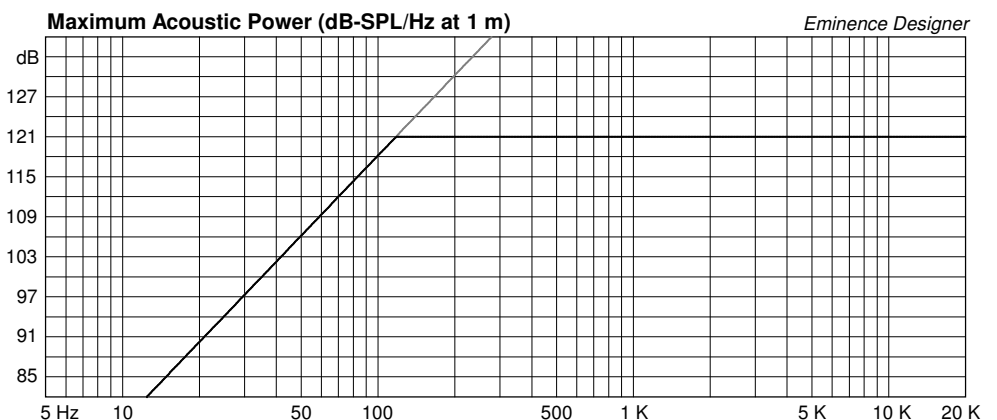
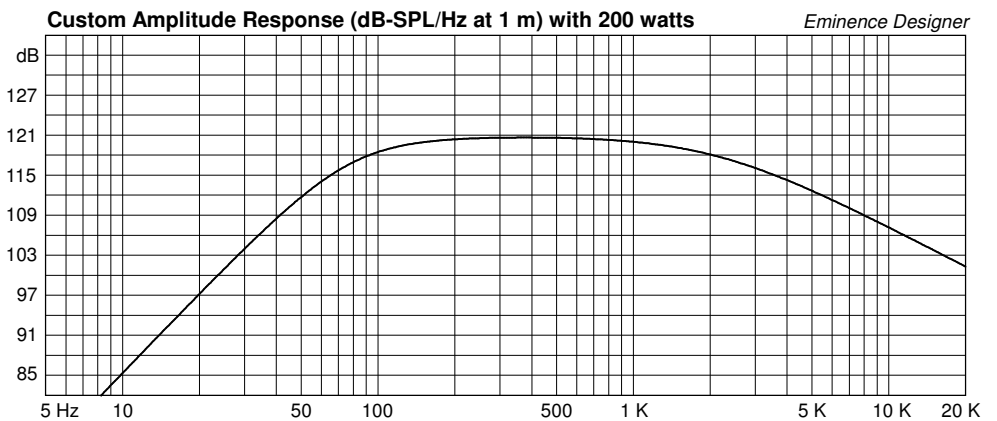
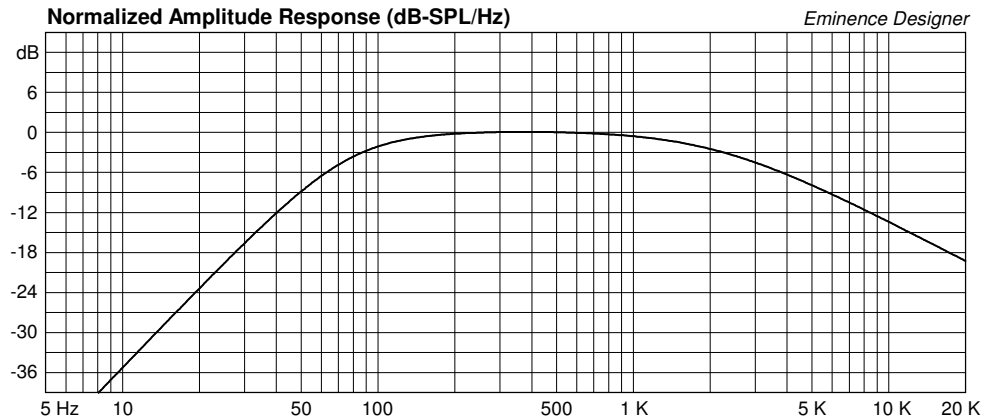
--Electromech. Parameters--

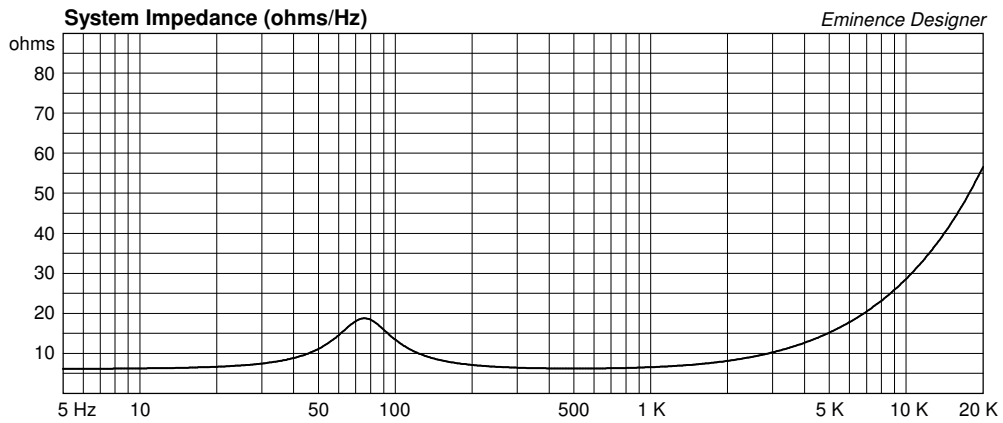
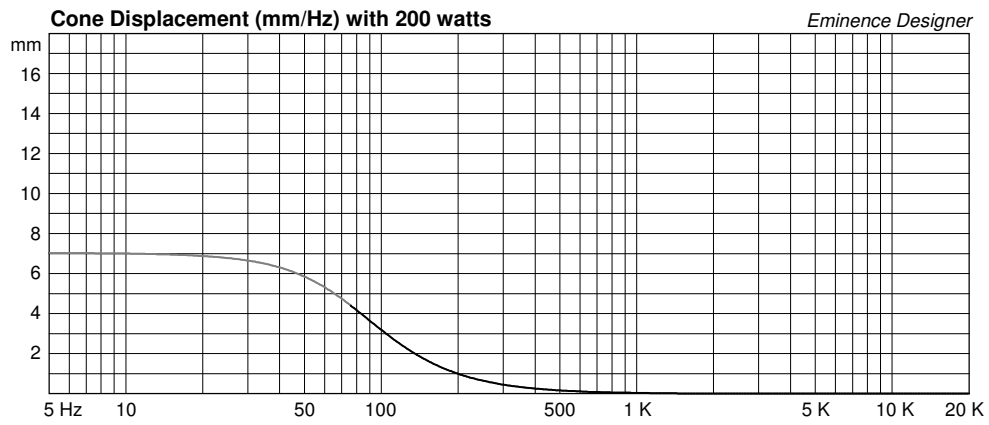
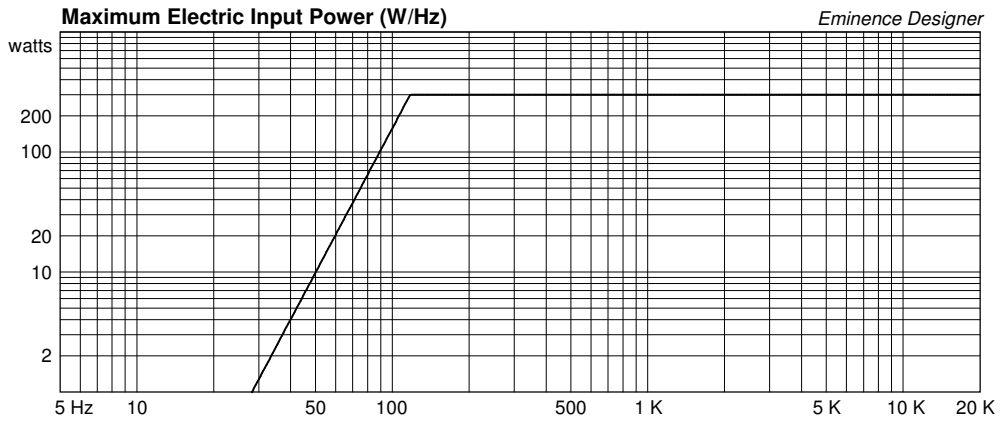
Qts = 0.45

no = 1.296 % [2.592]

1-W SPL = 93.27 dB [96.28]

2.83-V SPL = 91.44 dB [97.46]





Basslite SC10-16 Large Sealed 4x10

By Anthony Lucas, Eminence Speaker

400 watts, F3 87Hz

Use high-pass filter at 75Hz for added protection



Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 5.3 cu.ft

V(total) = 5.614 cu.ft

Qtc = 0.625

QL = 17.78

F3 = 87.03 Hz

Fill = heavy

Driver Properties

--Description--

Name: Basslite SC10-16

Type: Standard one-way driver

Company: Eminence Speaker LLC USA

--Configuration--

No. of Drivers = 4

Mounting = Standard

Wiring = Parallel

Drivers sum coherently = Yes

--Mechanical Parameters--

Fs = 45.82 Hz

Qms = 2.23

Vas = 78.27 liters [313.1]

Cms = 0.46 mm/N [0.115]

Mms = 26.25 g [105]

Rms = 3.39 kg/s [13.56]

Xmax = 4.4 mm

Xmech = 6.6 mm

P-Dia = 209.9 mm [419.8]

Sd = 350.1 sq.cm [1400]

P-Vd = 0.152 liters [0.608]

--Electrical Parameters--

Qes = 0.56

Re = 12.21 ohms [3.053]

Le = 0.89 mH [0.223]

Z = 16 ohms [4]

BL = 12.79 Tm [12.84]

Pe = 150 watts [600]

--Electromech. Parameters--

Qts = 0.45

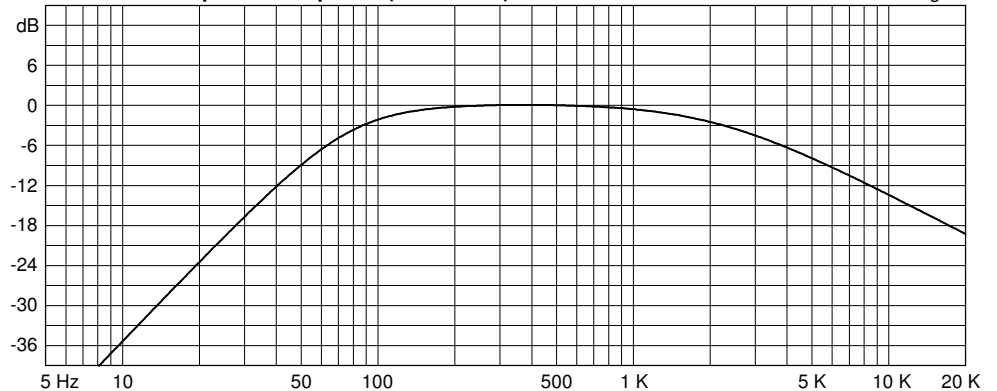
no = 1.296 % [5.184]

1-W SPL = 93.27 dB [99.29]

2.83-V SPL = 91.44 dB [103.5]

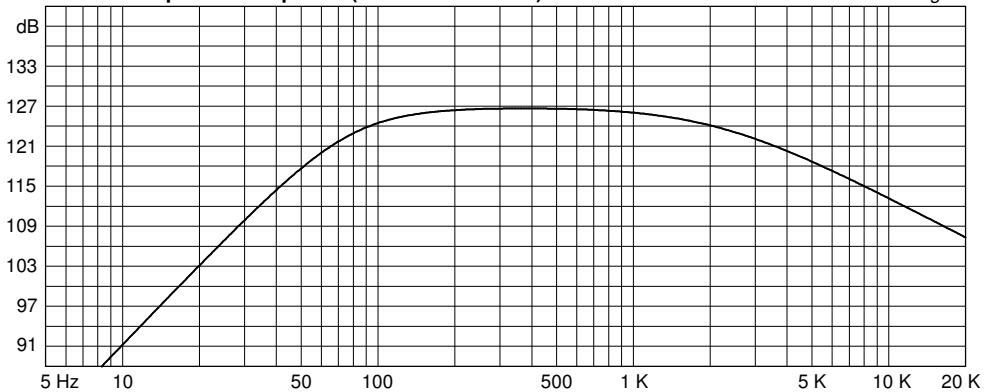
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



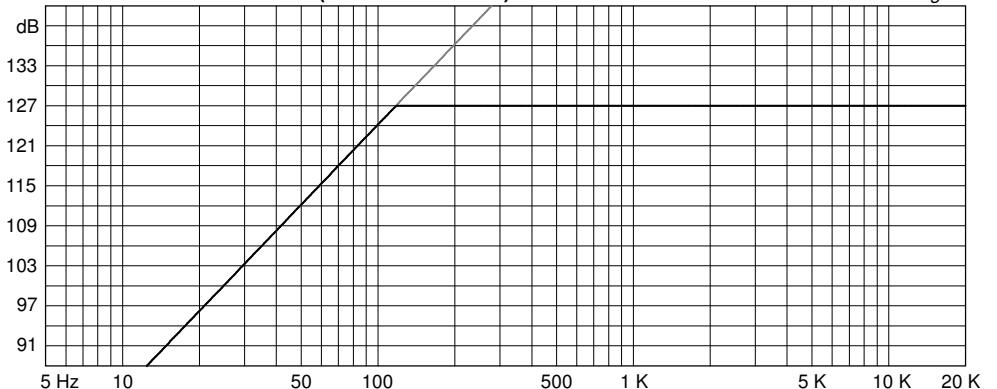
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 400 watts

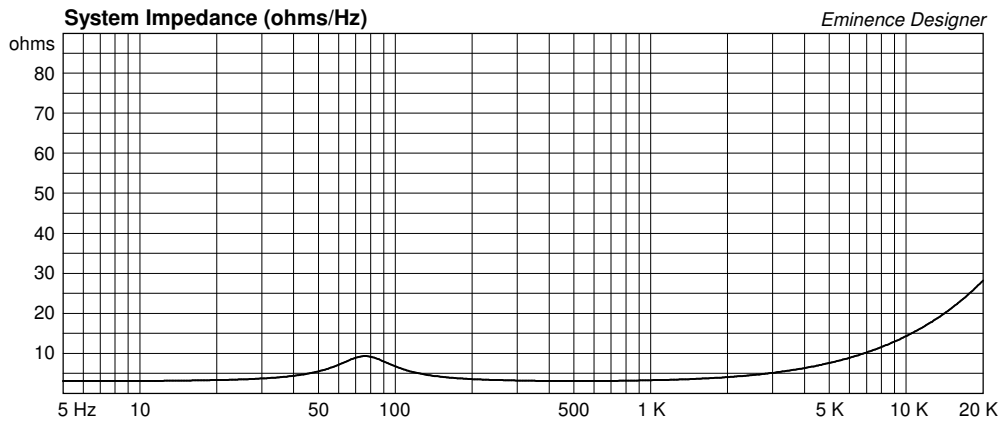
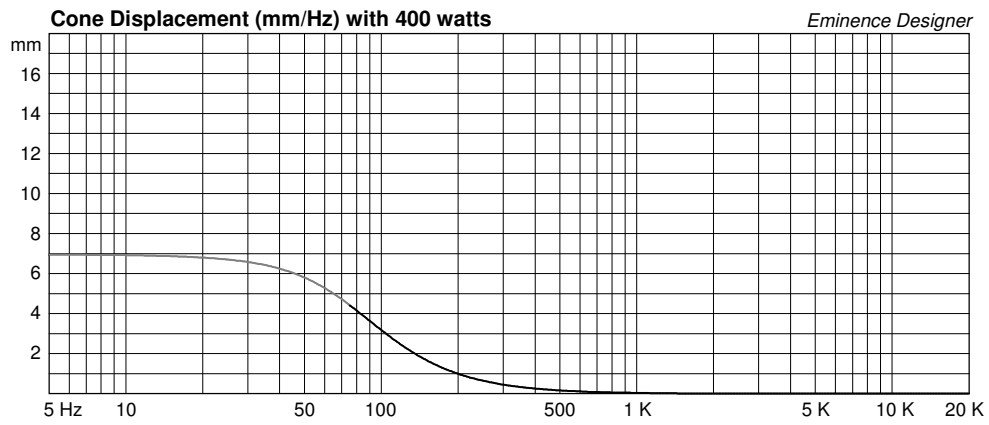
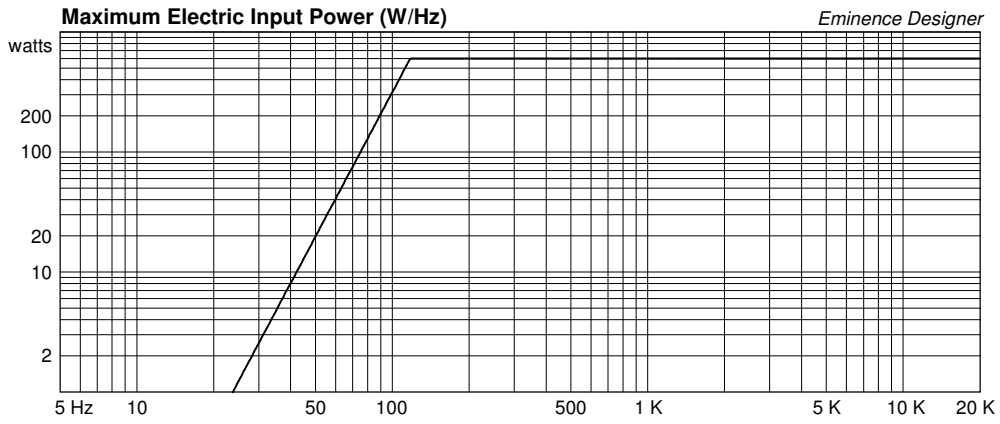
Eminence Designer



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

Eminence Designer





Basslite SC10-16 Medium Sealed 2x10

By Anthony Lucas, Eminence Speaker

200 watts, F3 88Hz

Use high-pass filter at 70Hz for added protection



Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 1.726 cu.ft

V(total) = 1.883 cu.ft

Qtc = 0.707

QL = 18.41

F3 = 88.3 Hz

Fill = heavy

Driver Properties

--Description--

Name: Basslite SC10-16

Type: Standard one-way driver

Company: Eminence Speaker LLC USA

--Configuration--

No. of Drivers = 2

Mounting = Standard

Wiring = Parallel

Drivers sum coherently = Yes

--Mechanical Parameters--

Fs = 45.82 Hz

Qms = 2.23

Vas = 78.27 liters [156.5]

Cms = 0.46 mm/N [0.23]

Mms = 26.25 g [52.5]

Rms = 3.39 kg/s [6.78]

Xmax = 4.4 mm

Xmech = 6.6 mm

P-Dia = 209.9 mm [296.8]

Sd = 350.1 sq.cm [700.2]

P-Vd = 0.152 liters [0.304]

--Electrical Parameters--

Qes = 0.56

Re = 12.21 ohms [6.105]

Le = 0.89 mH [0.445]

Z = 16 ohms [8]

BL = 12.79 Tm [12.84]

Pe = 150 watts [300]

--Electromech. Parameters--

Qts = 0.45

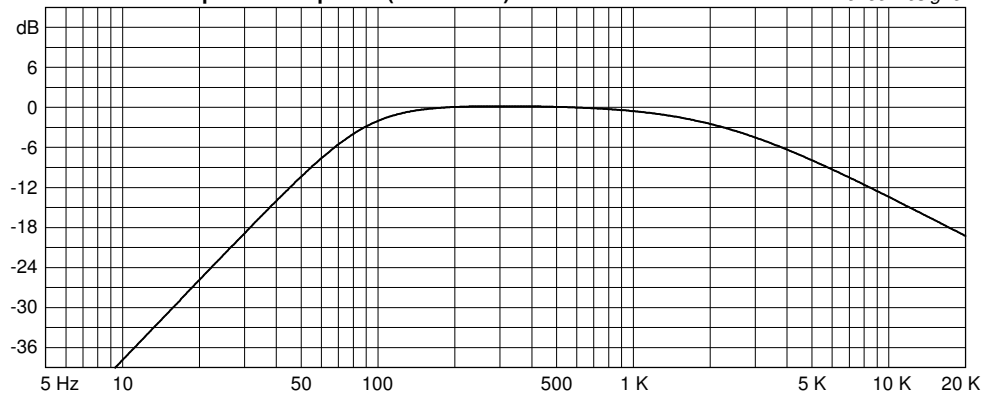
no = 1.296 % [2.592]

1-W SPL = 93.27 dB [96.28]

2.83-V SPL = 91.44 dB [97.46]

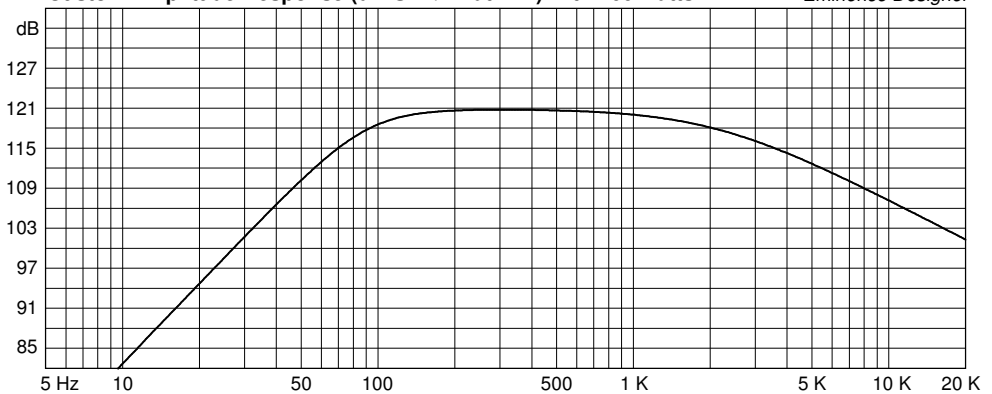
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



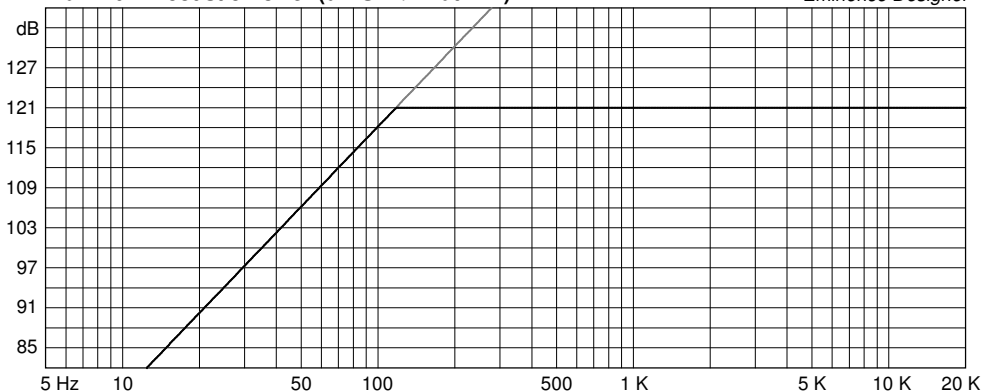
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 200 watts

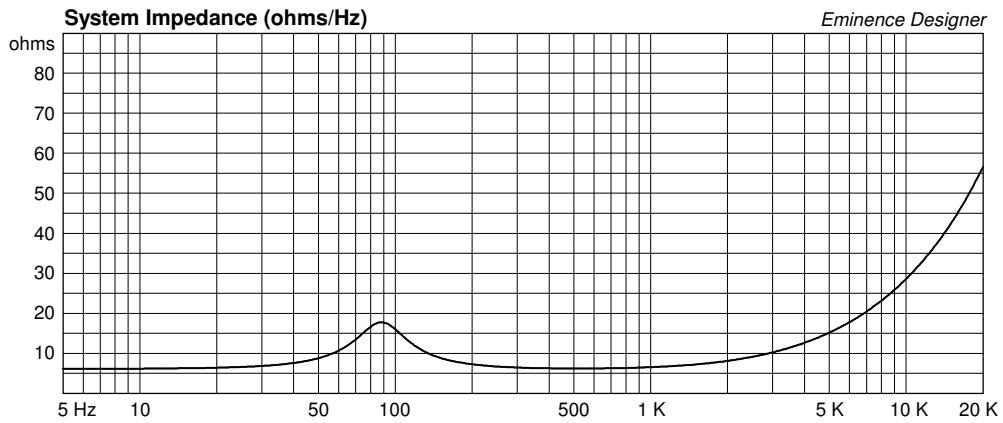
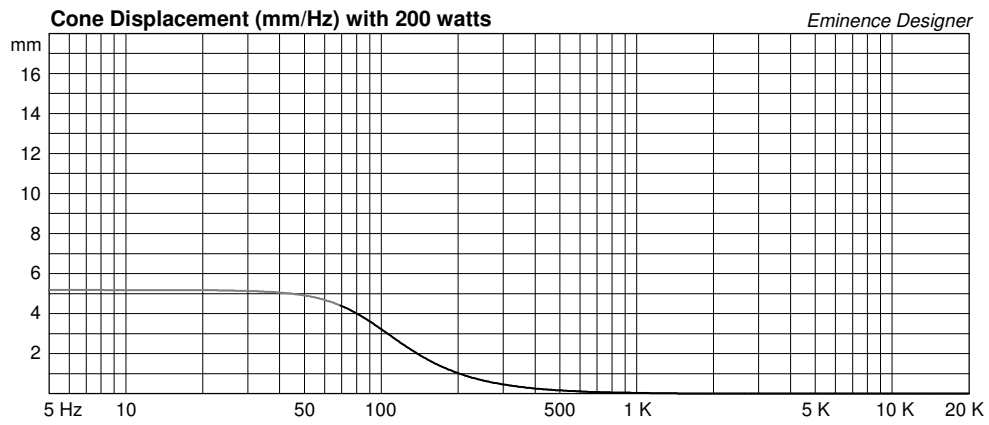
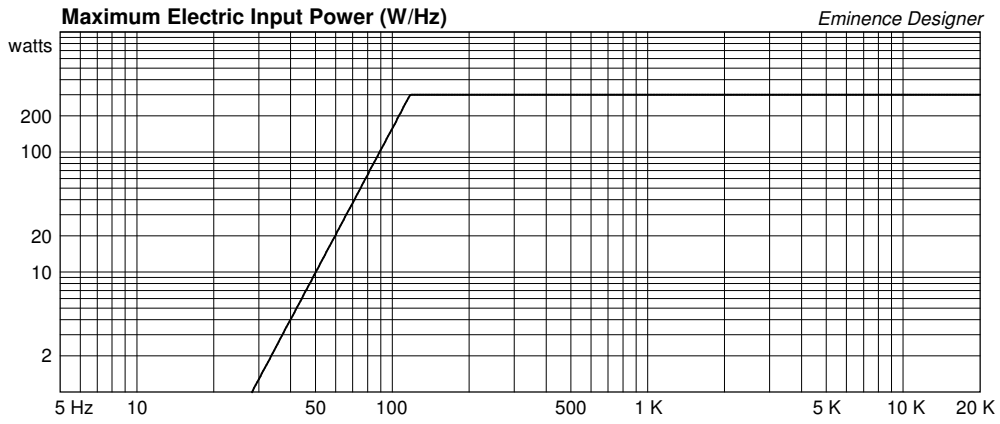
Eminence Designer



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

Eminence Designer





Basslite SC10-16 Medium Sealed 4x10

By Anthony Lucas, Eminence Speaker

400 watts, F3 89Hz

Use high-pass filter at 65Hz for added protection



Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 3.363 cu.ft

V(total) = 3.677 cu.ft

Qtc = 0.707

QL = 15.32

F3 = 89.14 Hz

Fill = heavy

Driver Properties

--Description--

Name: Basslite SC10-16

Type: Standard one-way driver

Company: Eminence Speaker LLC USA

--Configuration--

No. of Drivers = 4

Mounting = Standard

Wiring = Parallel

Drivers sum coherently = Yes

--Mechanical Parameters--

Fs = 45.82 Hz

Qms = 2.23

Vas = 78.27 liters [313.1]

Cms = 0.46 mm/N [0.115]

Mms = 26.25 g [105]

Rms = 3.39 kg/s [13.56]

Xmax = 4.4 mm

Xmech = 6.6 mm

P-Dia = 209.9 mm [419.8]

Sd = 350.1 sq.cm [1400]

P-Vd = 0.152 liters [0.608]

--Electrical Parameters--

Qes = 0.56

Re = 12.21 ohms [3.053]

Le = 0.89 mH [0.223]

Z = 16 ohms [4]

BL = 12.79 Tm [12.84]

Pe = 150 watts [600]

--Electromech. Parameters--

Qts = 0.45

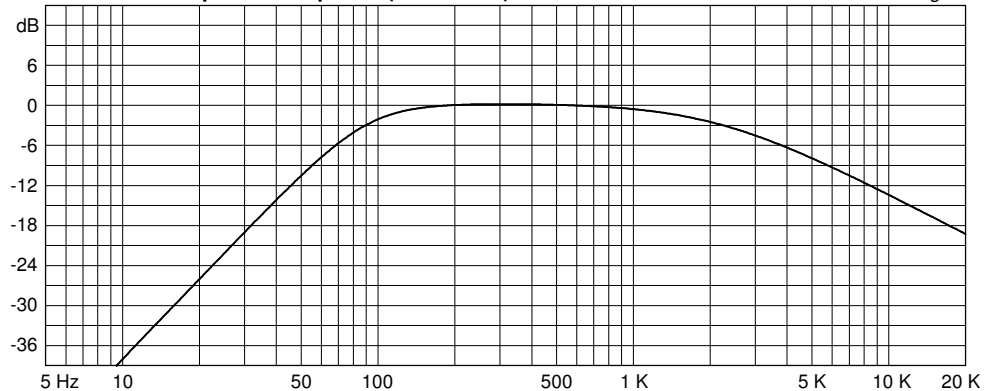
no = 1.296 % [5.184]

1-W SPL = 93.27 dB [99.29]

2.83-V SPL = 91.44 dB [103.5]

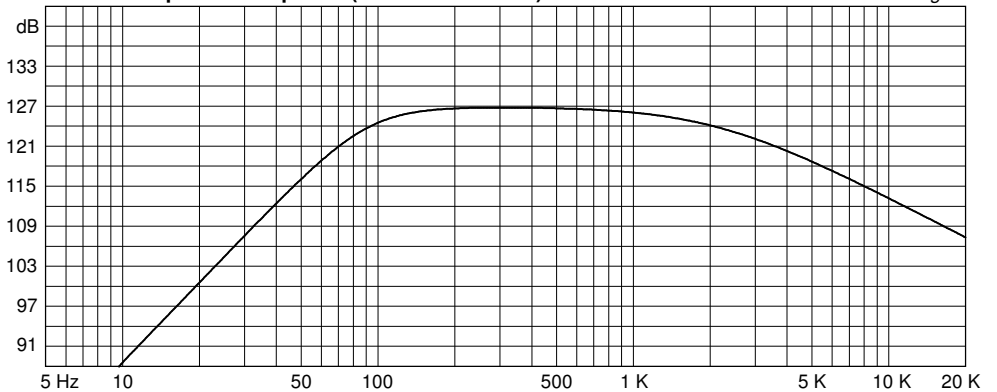
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



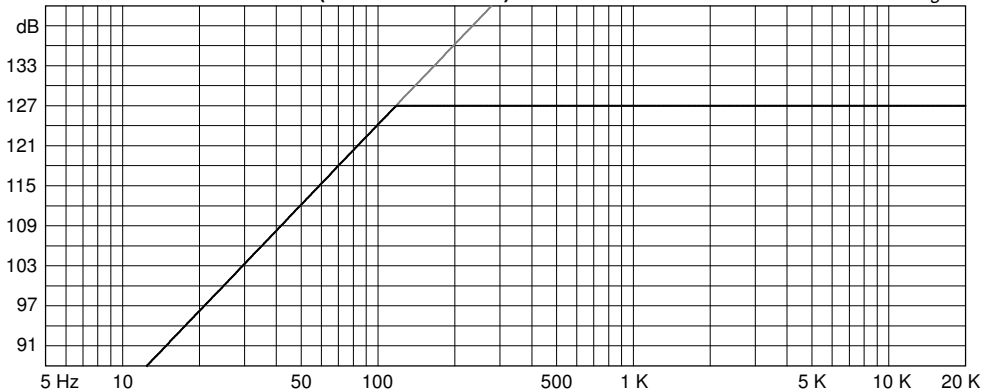
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 400 watts

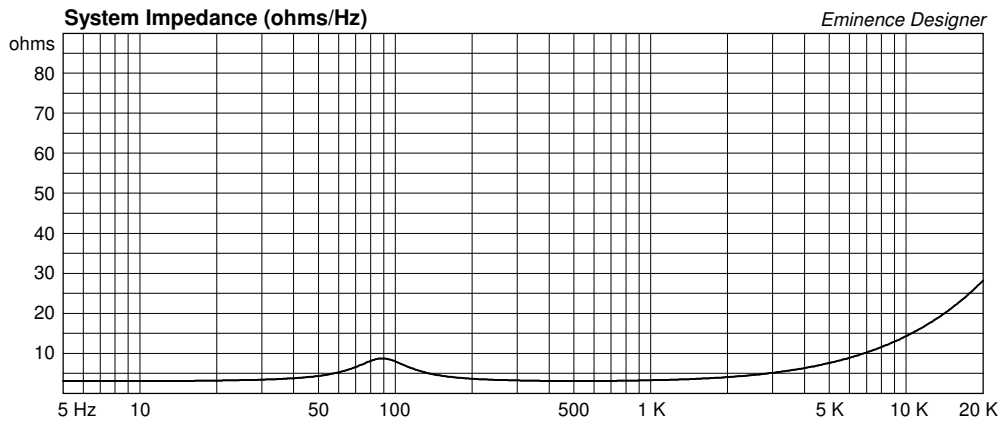
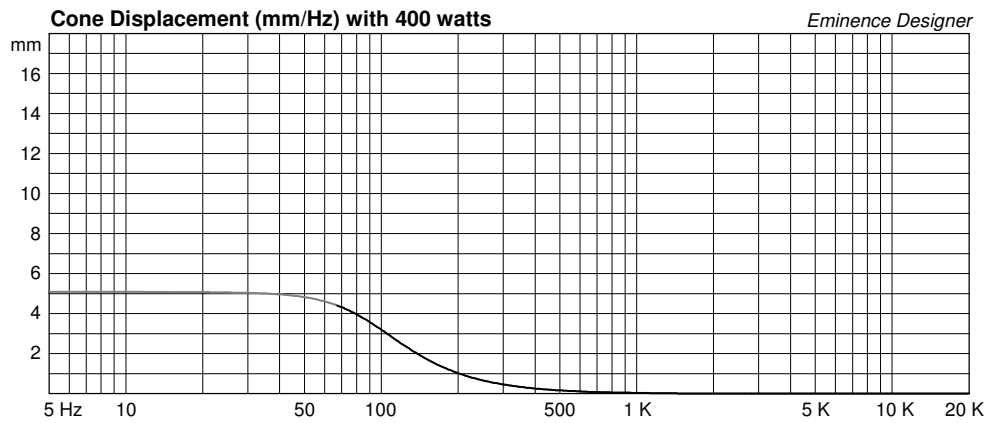
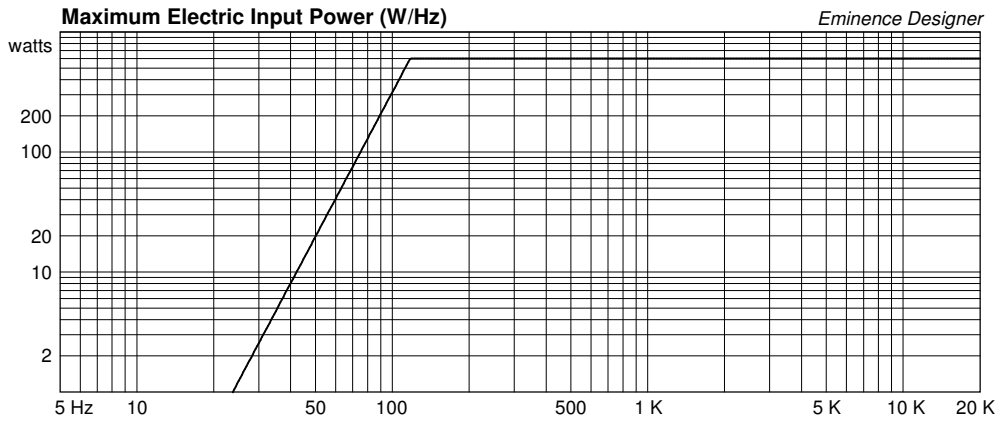
Eminence Designer



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

Eminence Designer





Basslite SC10-16 Medium Vented 2x10

By Anthony Lucas, Eminence Speaker
200 watts, F3 50Hz, run full-range for bass guitar.
For pro audio applications, use steep high-pass filter at 45Hz.



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 4.72 cu.ft

V(total) = 4.902 cu.ft

Fb = 55 Hz

QL = 5.799

F3 = 50.48 Hz

Fill = minimal

--Vents--

No. of Vents = 4

Vent shape = round

Vent ends = one flush

Dv = 3 in

Lv = 1.308 in

Driver Properties

--Description--

Name: Basslite SC10-16

Type: Standard one-way driver

Company: Eminence Speaker LLC USA

--Configuration--

No. of Drivers = 2

Mounting = Standard

Wiring = Parallel

Drivers sum coherently = Yes

--Mechanical Parameters--

Fs = 45.82 Hz

Qms = 2.23

Vas = 78.27 liters [156.5]

Cms = 0.46 mm/N [0.23]

Mms = 26.25 g [52.5]

Rms = 3.39 kg/s [6.78]

Xmax = 4.4 mm

Xmech = 6.6 mm

P-Dia = 209.9 mm [296.8]

Sd = 350.1 sq.cm [700.2]

P-Vd = 0.152 liters [0.304]

--Electrical Parameters--

Qes = 0.56

Re = 12.21 ohms [6.105]

Le = 0.89 mH [0.445]

Z = 16 ohms [8]

BL = 12.79 Tm [12.84]

Pe = 150 watts [300]

--Electromech. Parameters--

Qts = 0.45

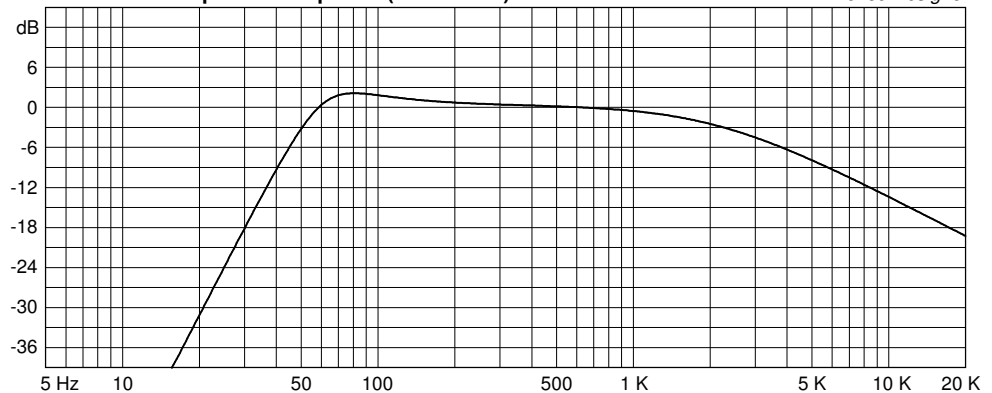
no = 1.296 % [2.592]

1-W SPL = 93.27 dB [96.28]

2.83-V SPL = 91.44 dB [97.46]

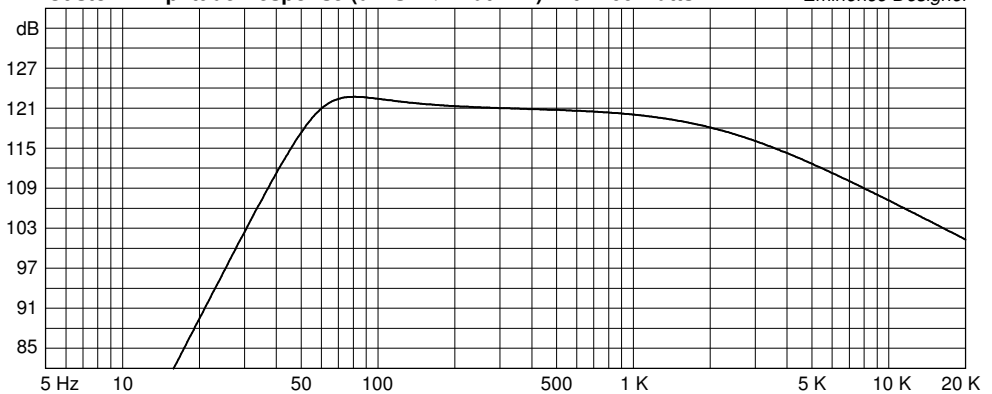
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



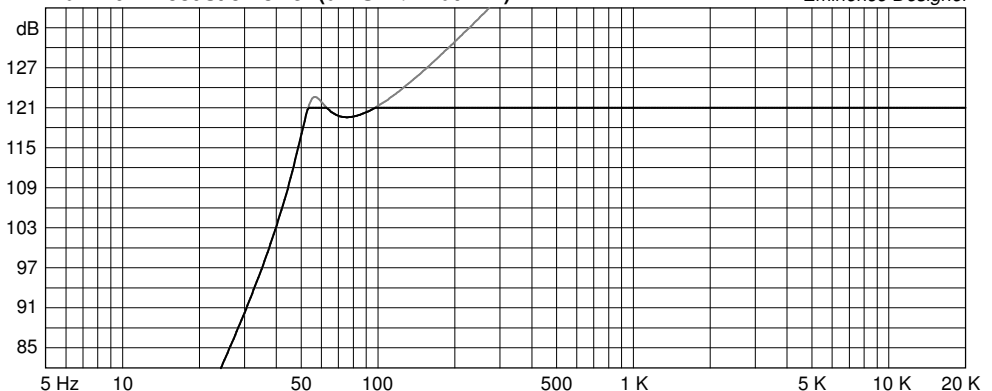
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 200 watts

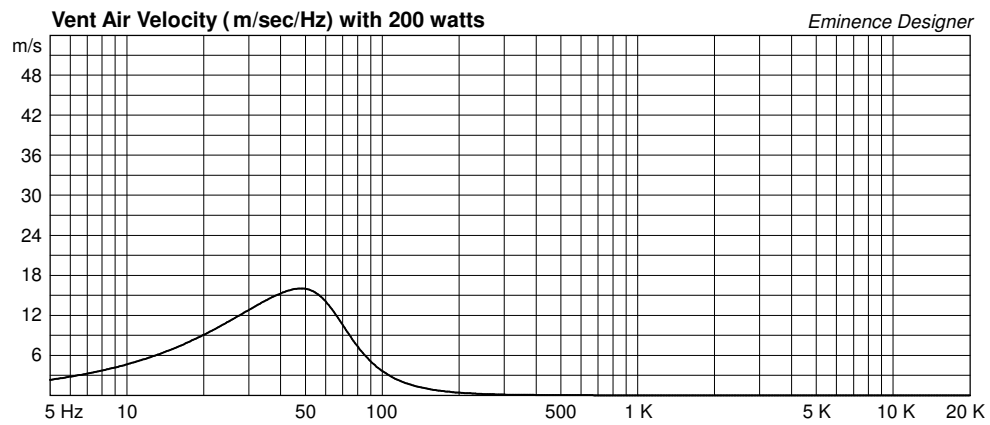
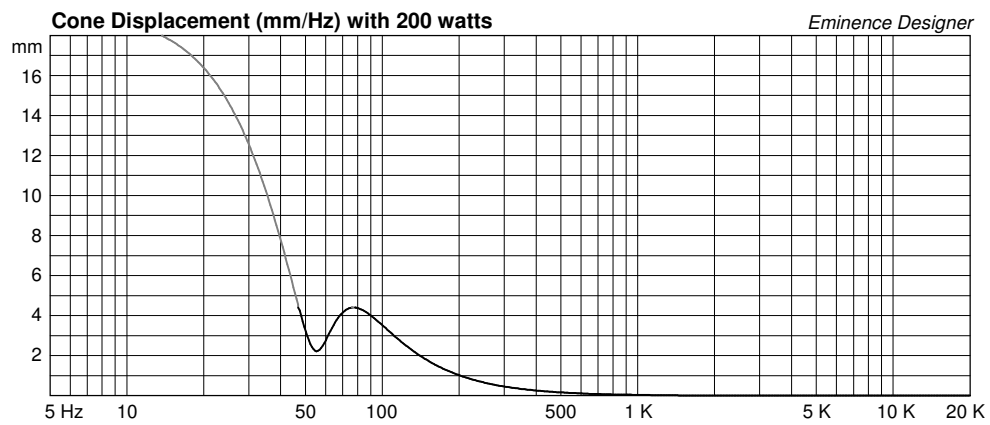
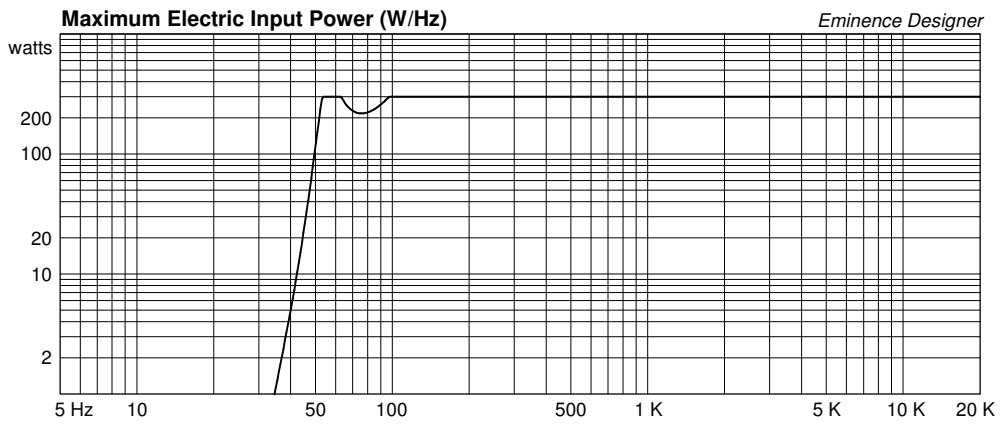
Eminence Designer

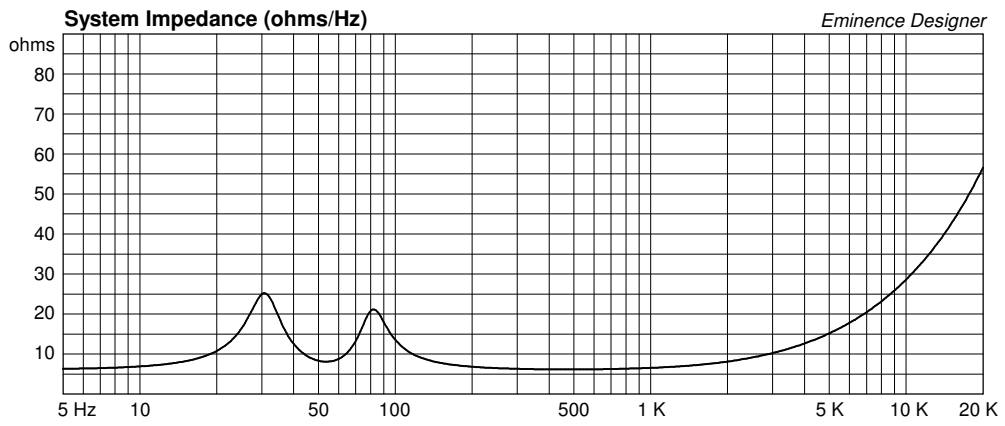


Maximum Acoustic Power (dB-SPL/Hz at 1 m)

Eminence Designer







Basslite SC10-16 Medium Vented 4x10

By Anthony Lucas, Eminence Speaker
400 watts, F3 50Hz, run full-range for bass guitar.
For pro audio applications, use steep high-pass filter at 45Hz.



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 9.43 cu.ft

V(total) = 9.8 cu.ft

Fb = 55 Hz

QL = 5.799

F3 = 50.49 Hz

Fill = minimal

--Vents--

No. of Vents = 6

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 1.149 in

Driver Properties

--Description--

Name: Basslite SC10-16

Type: Standard one-way driver

Company: Eminence Speaker LLC USA

--Configuration--

No. of Drivers = 4

Mounting = Standard

Wiring = Parallel

Drivers sum coherently = Yes

--Mechanical Parameters--

Fs = 45.82 Hz

Qms = 2.23

Vas = 78.27 liters [313.1]

Cms = 0.46 mm/N [0.115]

Mms = 26.25 g [105]

Rms = 3.39 kg/s [13.56]

Xmax = 4.4 mm

Xmech = 6.6 mm

P-Dia = 209.9 mm [419.8]

Sd = 350.1 sq.cm [1400]

P-Vd = 0.152 liters [0.608]

--Electrical Parameters--

Qes = 0.56

Re = 12.21 ohms [3.053]

Le = 0.89 mH [0.223]

Z = 16 ohms [4]

BL = 12.79 Tm [12.84]

Pe = 150 watts [600]

--Electromech. Parameters--

Qts = 0.45

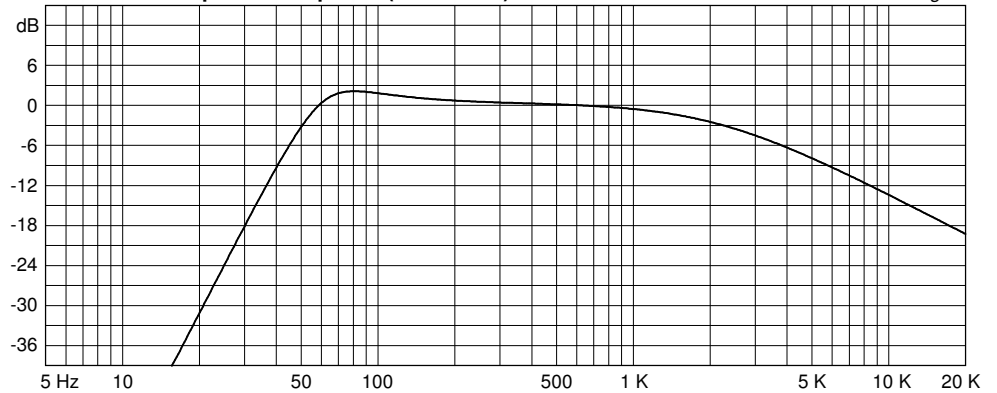
no = 1.296 % [5.184]

1-W SPL = 93.27 dB [99.29]

2.83-V SPL = 91.44 dB [103.5]

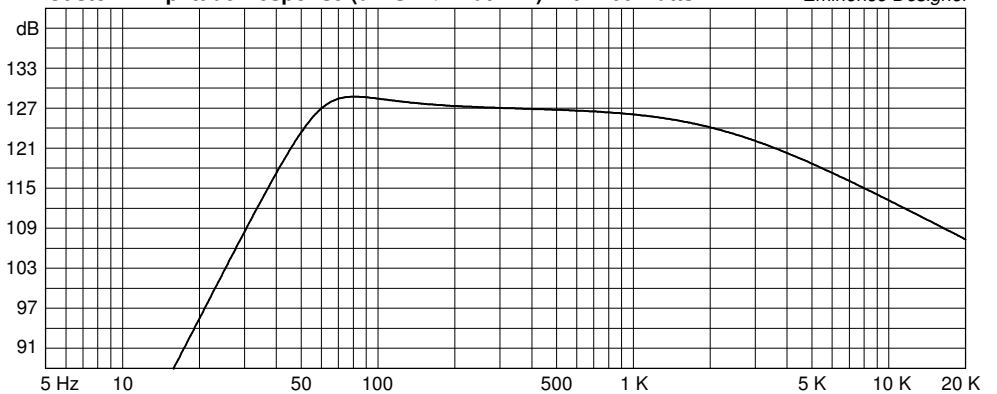
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



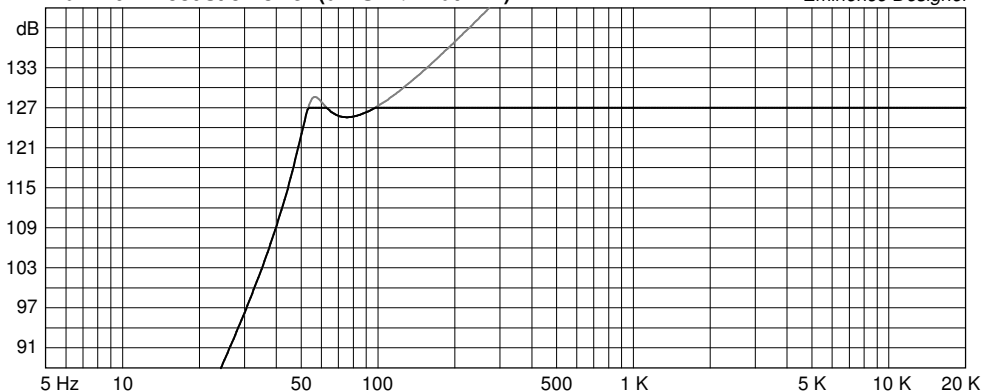
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 400 watts

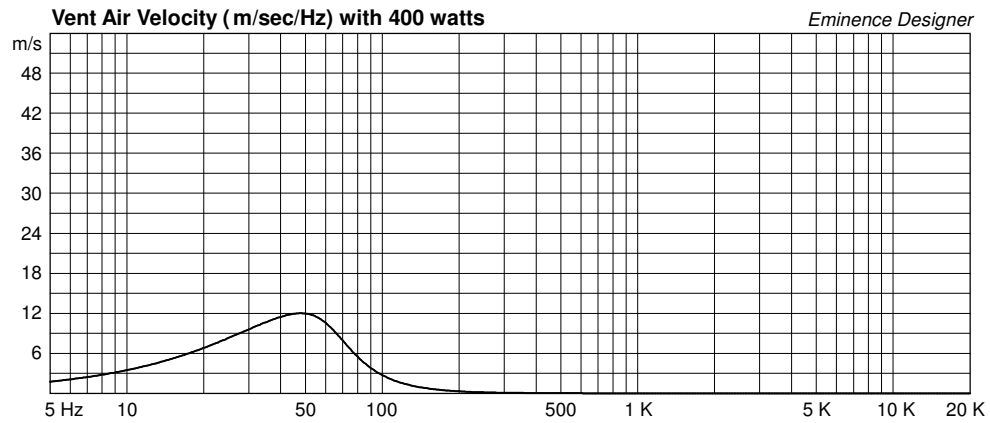
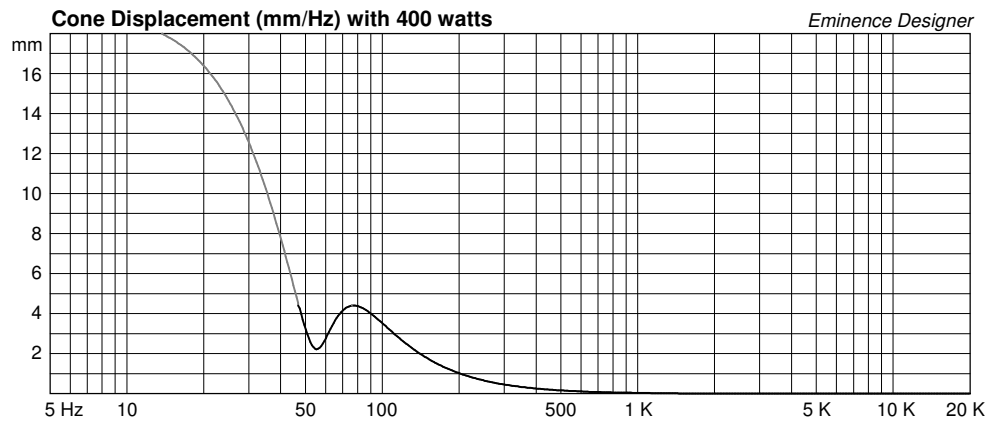
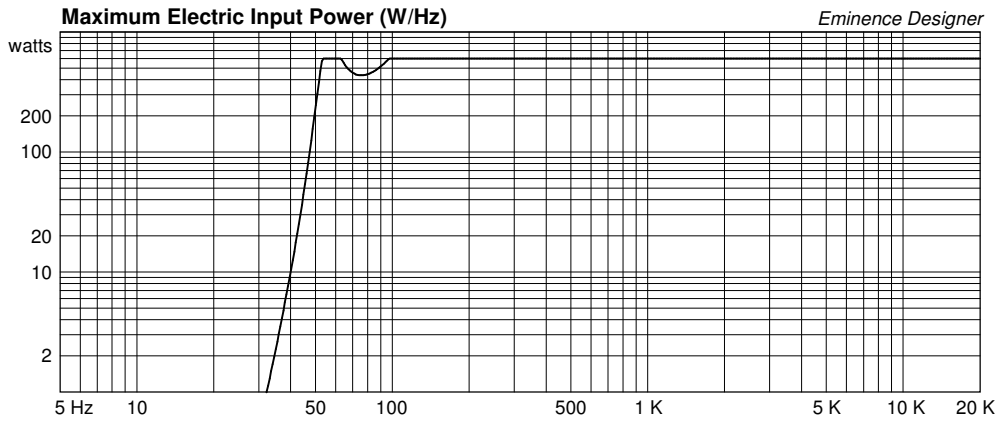
Eminence Designer

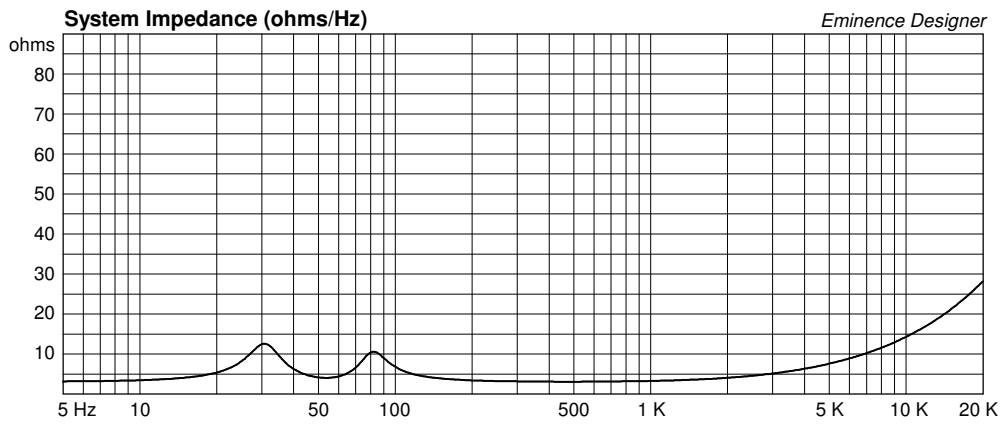


Maximum Acoustic Power (dB-SPL/Hz at 1 m)

Eminence Designer







Basslite SC10-16 Small Sealed 2x10

By Anthony Lucas, Eminence Speaker
300 watts, F3 94Hz



Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 1.029 cu.ft

V(total) = 1.186 cu.ft

Qtc = 0.833

QL = 19.72

F3 = 94.45 Hz

Fill = heavy

Driver Properties

--Description--

Name: Basslite SC10-16

Type: Standard one-way driver

Company: Eminence Speaker LLC USA

--Configuration--

No. of Drivers = 2

Mounting = Standard

Wiring = Parallel

Drivers sum coherently = Yes

--Mechanical Parameters--

Fs = 45.82 Hz

Qms = 2.23

Vas = 78.27 liters [156.5]

Cms = 0.46 mm/N [0.23]

Mms = 26.25 g [52.5]

Rms = 3.39 kg/s [6.78]

Xmax = 4.4 mm

Xmech = 6.6 mm

P-Dia = 209.9 mm [296.8]

Sd = 350.1 sq.cm [700.2]

P-Vd = 0.152 liters [0.304]

--Electrical Parameters--

Qes = 0.56

Re = 12.21 ohms [6.105]

Le = 0.89 mH [0.445]

Z = 16 ohms [8]

BL = 12.79 Tm [12.84]

Pe = 150 watts [300]

--Electromech. Parameters--

Qts = 0.45

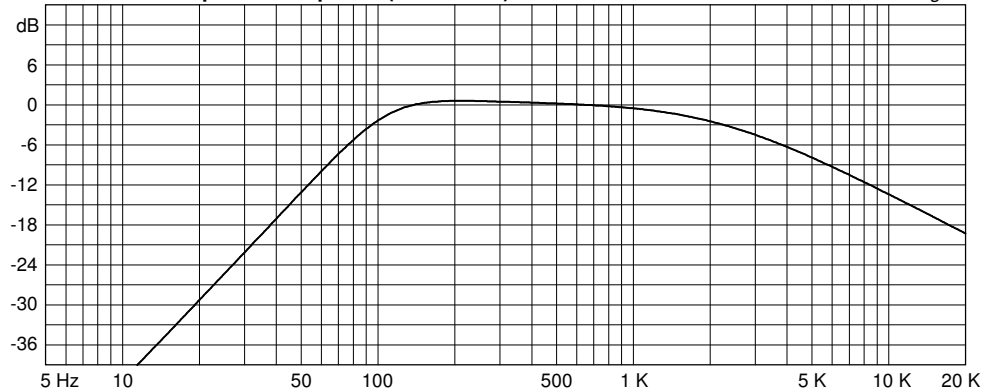
no = 1.296 % [2.592]

1-W SPL = 93.27 dB [96.28]

2.83-V SPL = 91.44 dB [97.46]

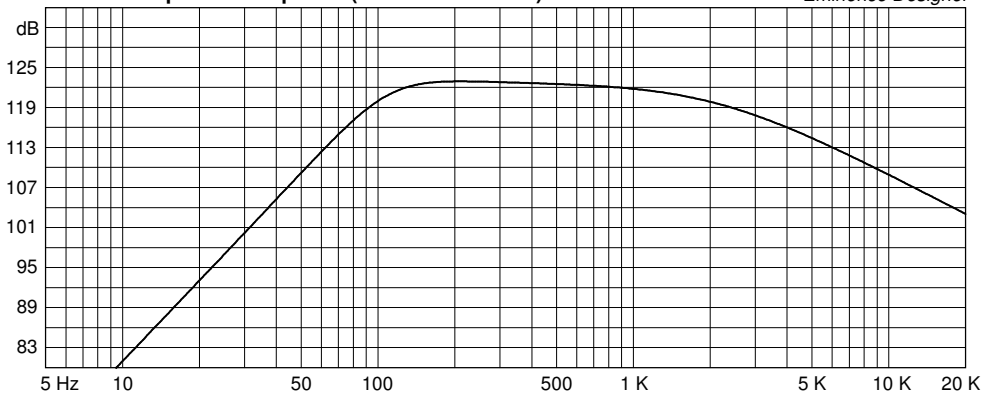
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



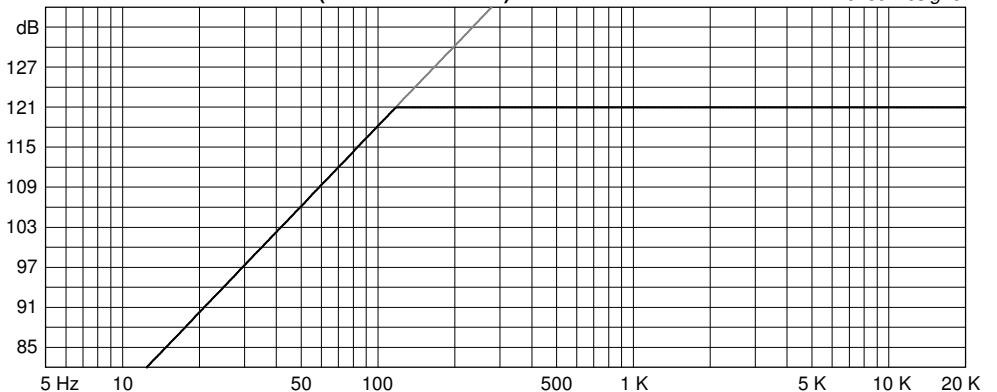
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 300 watts

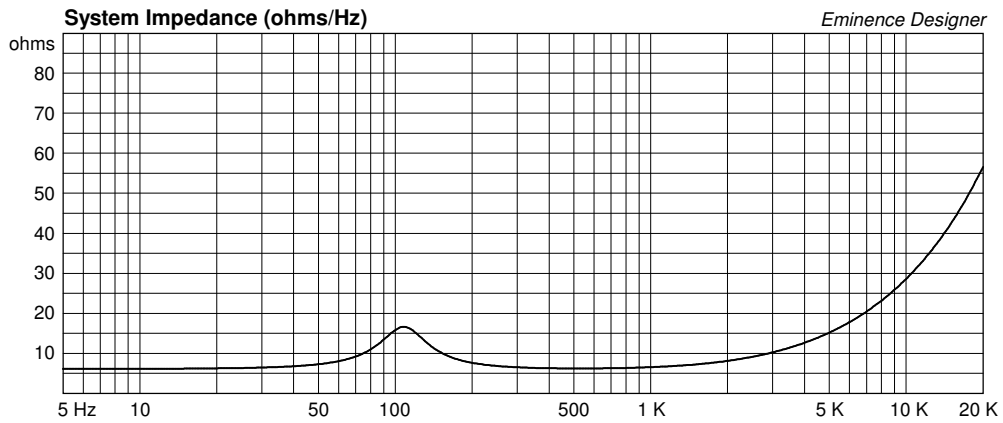
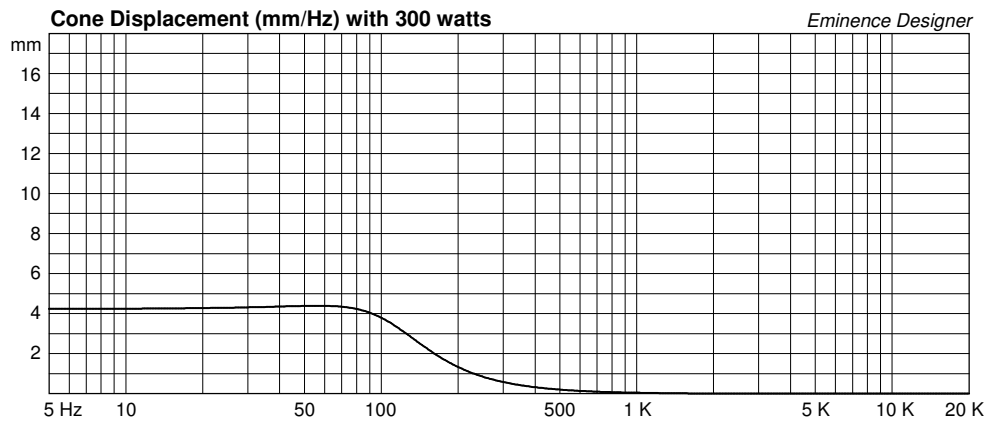
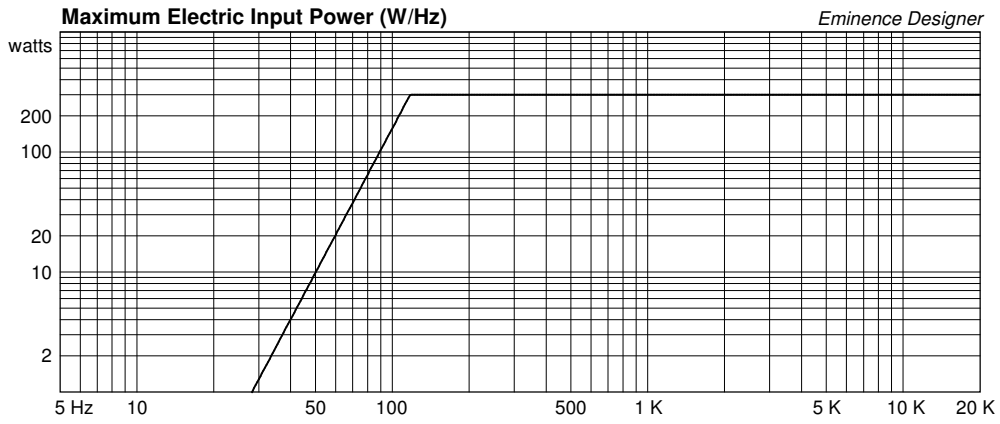
Eminence Designer



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

Eminence Designer





Basslite SC10-16 Small Sealed 4x10

By Anthony Lucas, Eminence Speaker
500 watts, F3 94Hz



Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 2.1 cu.ft

V(total) = 2.414 cu.ft

Qtc = 0.824

QL = 17.78

F3 = 94.37 Hz

Fill = heavy

Driver Properties

--Description--

Name: Basslite SC10-16

Type: Standard one-way driver

Company: Eminence Speaker LLC USA

--Configuration--

No. of Drivers = 4

Mounting = Standard

Wiring = Parallel

Drivers sum coherently = Yes

--Mechanical Parameters--

Fs = 45.82 Hz

Qms = 2.23

Vas = 78.27 liters [313.1]

Cms = 0.46 mm/N [0.115]

Mms = 26.25 g [105]

Rms = 3.39 kg/s [13.56]

Xmax = 4.4 mm

Xmech = 6.6 mm

P-Dia = 209.9 mm [419.8]

Sd = 350.1 sq.cm [1400]

P-Vd = 0.152 liters [0.608]

--Electrical Parameters--

Qes = 0.56

Re = 12.21 ohms [3.053]

Le = 0.89 mH [0.223]

Z = 16 ohms [4]

BL = 12.79 Tm [12.84]

Pe = 150 watts [600]

--Electromech. Parameters--

Qts = 0.45

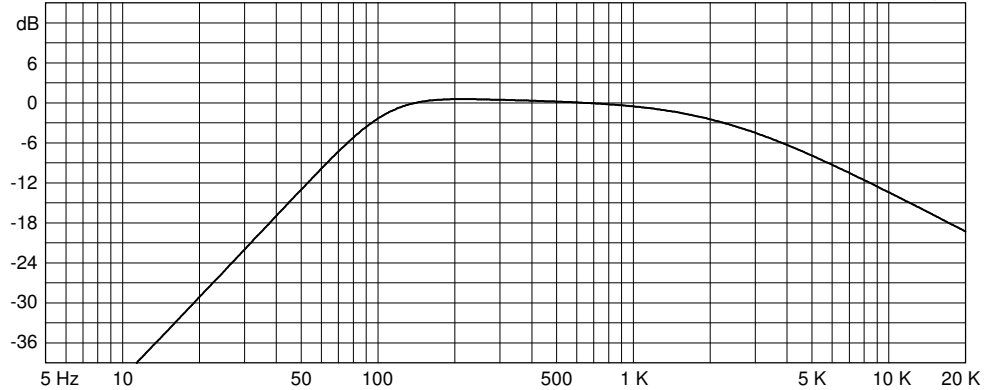
no = 1.296 % [5.184]

1-W SPL = 93.27 dB [99.29]

2.83-V SPL = 91.44 dB [103.5]

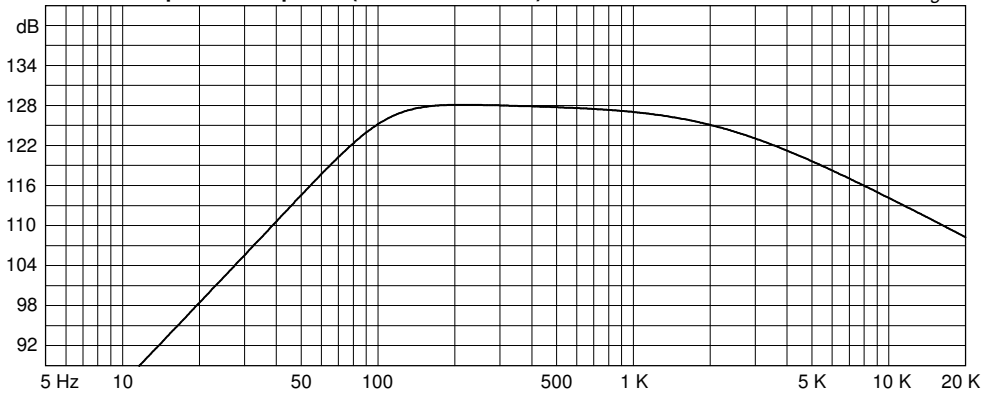
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



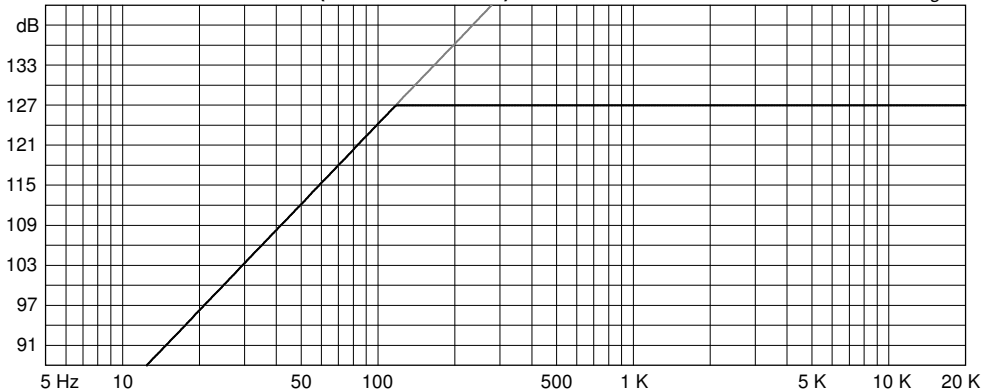
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 500 watts

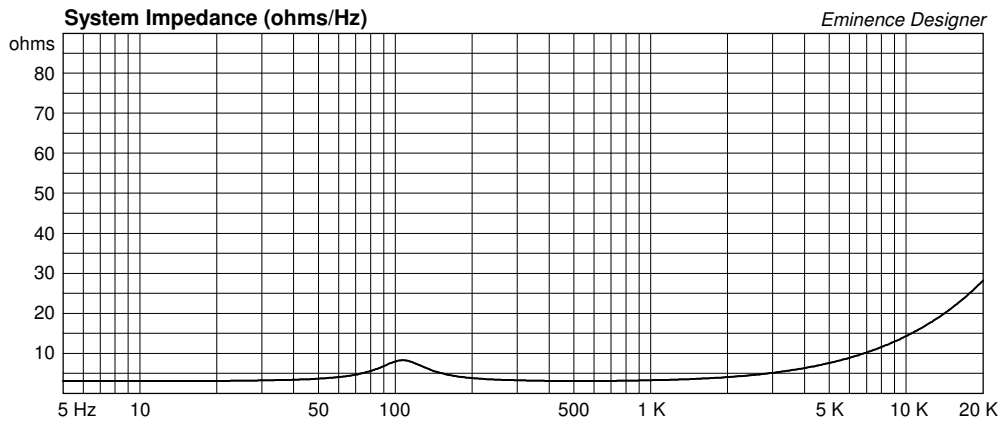
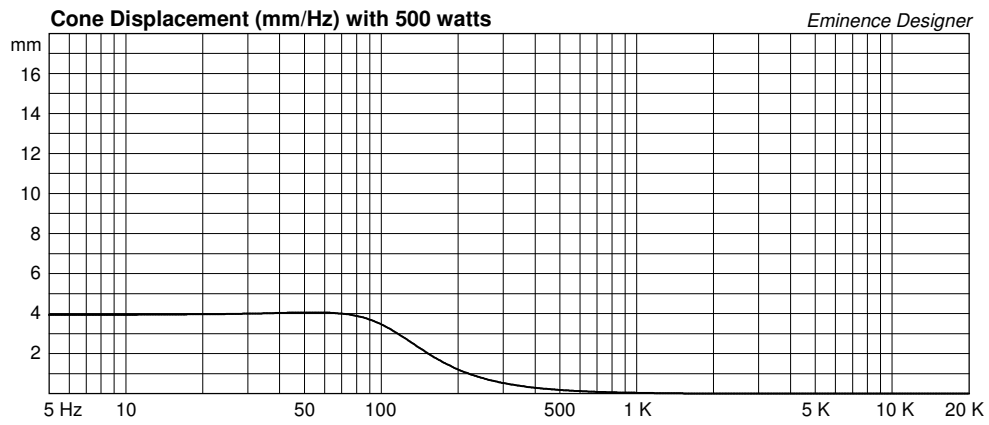
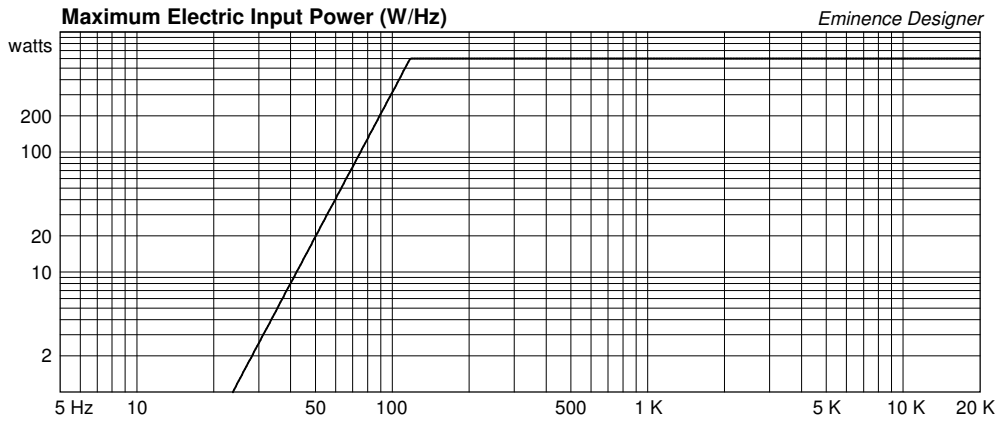
Eminence Designer



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

Eminence Designer





Basslite SC10-16 Small Vented 2x10

By Anthony Lucas, Eminence Speaker
300 watts, F3 72Hz, run full-range for bass guitar.
For pro audio applications, use steep high-pass filter at 45Hz.



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 1.661 cu.ft

V(total) = 1.933 cu.ft

Fb = 60 Hz

QL = 6.86

F3 = 72.44 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 7.027 in

Driver Properties

--Description--

Name: Basslite SC10-16

Type: Standard one-way driver

Company: Eminence Speaker LLC USA

--Configuration--

No. of Drivers = 2

Mounting = Standard

Wiring = Parallel

Drivers sum coherently = Yes

--Mechanical Parameters--

Fs = 45.82 Hz

Qms = 2.23

Vas = 78.27 liters [156.5]

Cms = 0.46 mm/N [0.23]

Mms = 26.25 g [52.5]

Rms = 3.39 kg/s [6.78]

Xmax = 4.4 mm

Xmech = 6.6 mm

P-Dia = 209.9 mm [296.8]

Sd = 350.1 sq.cm [700.2]

P-Vd = 0.152 liters [0.304]

--Electrical Parameters--

Qes = 0.56

Re = 12.21 ohms [6.105]

Le = 0.89 mH [0.445]

Z = 16 ohms [8]

BL = 12.79 Tm [12.84]

Pe = 150 watts [300]

--Electromech. Parameters--

Qts = 0.45

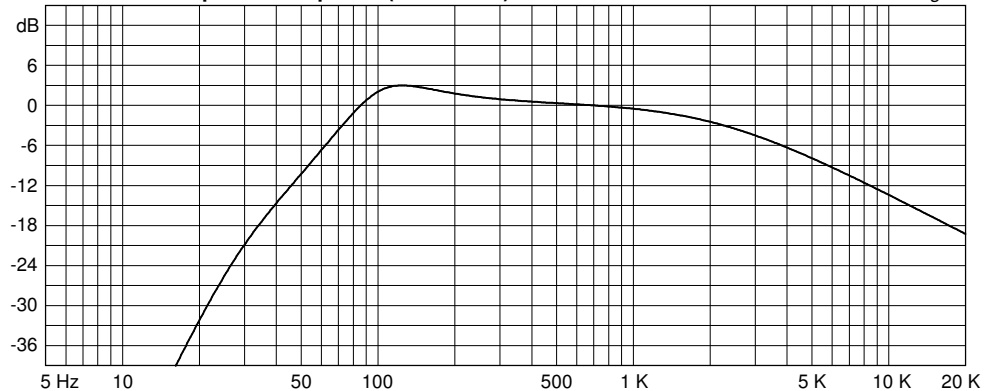
no = 1.296 % [2.592]

1-W SPL = 93.27 dB [96.28]

2.83-V SPL = 91.44 dB [97.46]

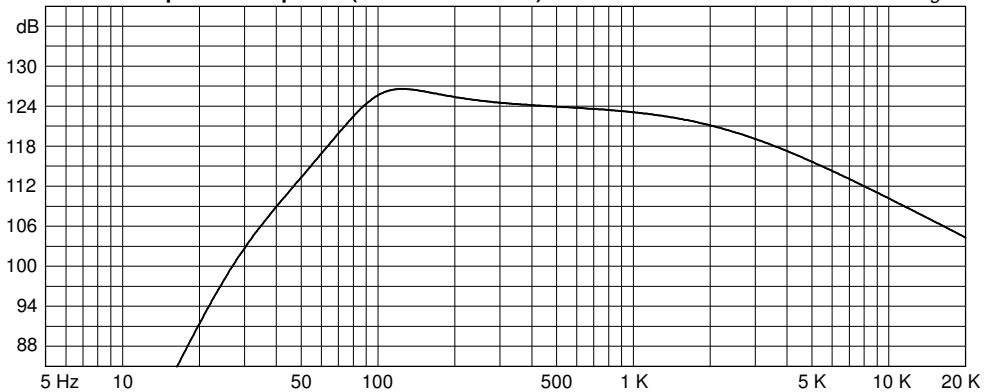
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



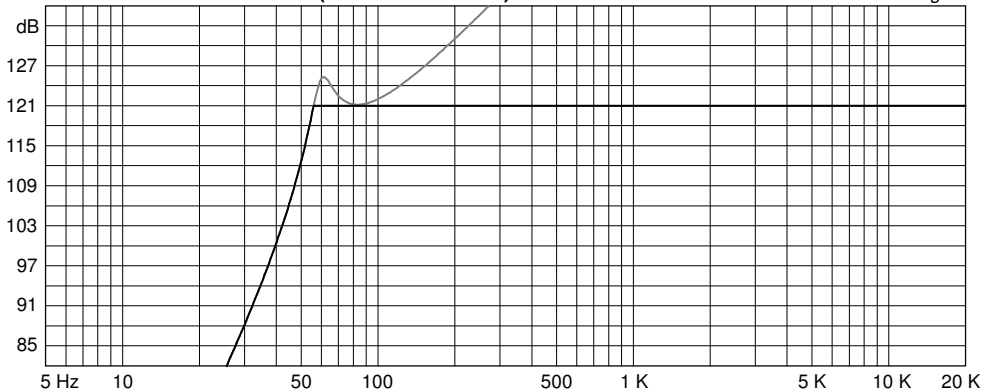
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 400 watts

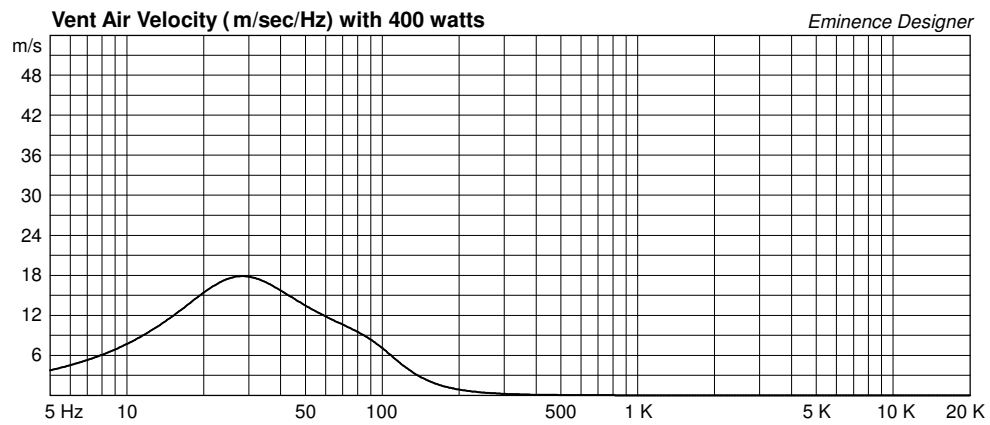
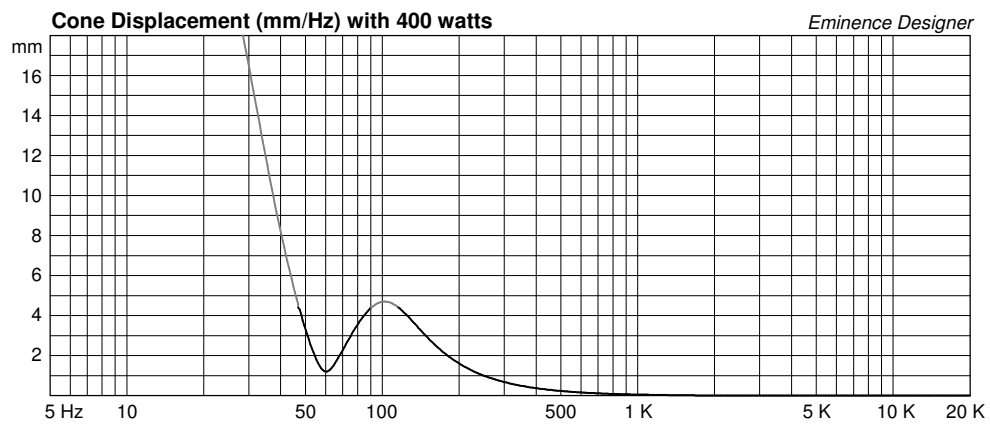
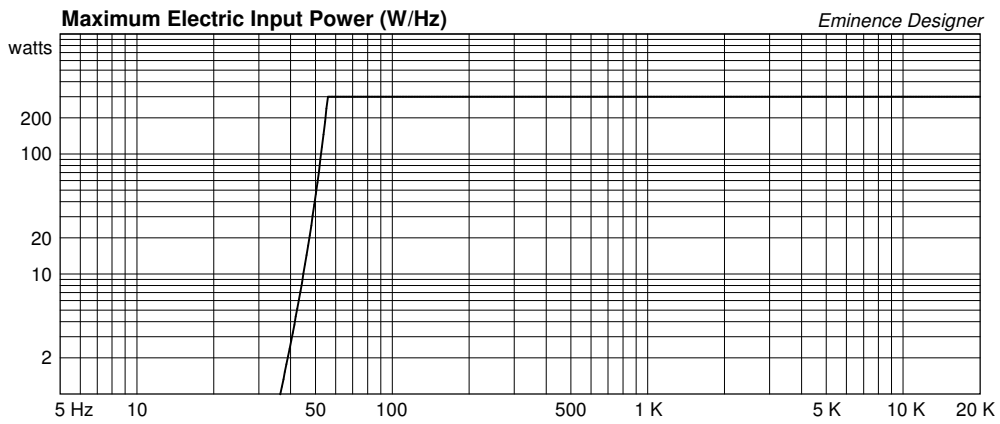
Eminence Designer

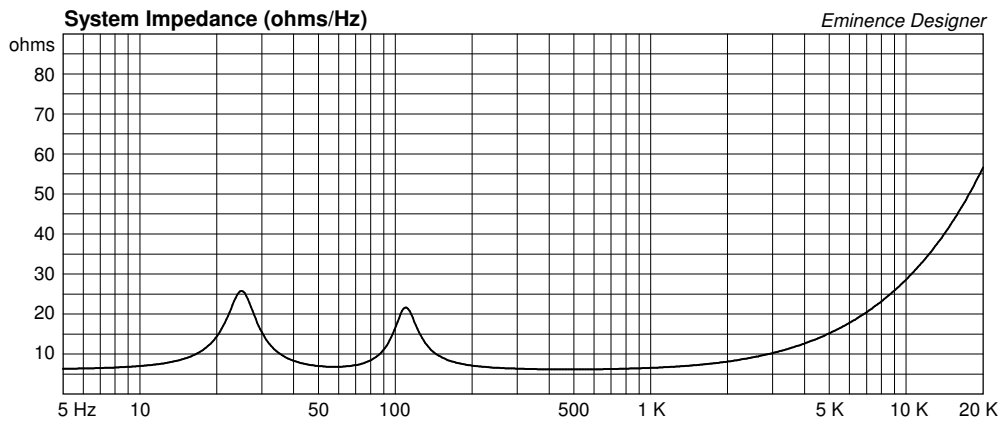


Maximum Acoustic Power (dB-SPL/Hz at 1 m)

Eminence Designer







Basslite SC10-16 Small Vented 4x10

By Anthony Lucas, Eminence Speaker
600 watts, F3 70Hz, run full-range for bass guitar.
For pro audio applications, use steep high-pass filter at 50Hz.



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 3.6 cu.ft

V(total) = 4.085 cu.ft

Fb = 60 Hz

QL = 6.511

F3 = 70.43 Hz

Fill = minimal

--Vents--

No. of Vents = 4

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 5.215 in

Driver Properties

--Description--

Name: Basslite SC10-16

Type: Standard one-way driver

Company: Eminence Speaker LLC USA

--Configuration--

No. of Drivers = 4

Mounting = Standard

Wiring = Parallel

Drivers sum coherently = Yes

--Mechanical Parameters--

Fs = 45.82 Hz

Qms = 2.23

Vas = 78.27 liters [313.1]

Cms = 0.46 mm/N [0.115]

Mms = 26.25 g [105]

Rms = 3.39 kg/s [13.56]

Xmax = 4.4 mm

Xmech = 6.6 mm

P-Dia = 209.9 mm [419.8]

Sd = 350.1 sq.cm [1400]

P-Vd = 0.152 liters [0.608]

--Electrical Parameters--

Qes = 0.56

Re = 12.21 ohms [3.053]

Le = 0.89 mH [0.223]

Z = 16 ohms [4]

BL = 12.79 Tm [12.84]

Pe = 150 watts [600]

--Electromech. Parameters--

Qts = 0.45

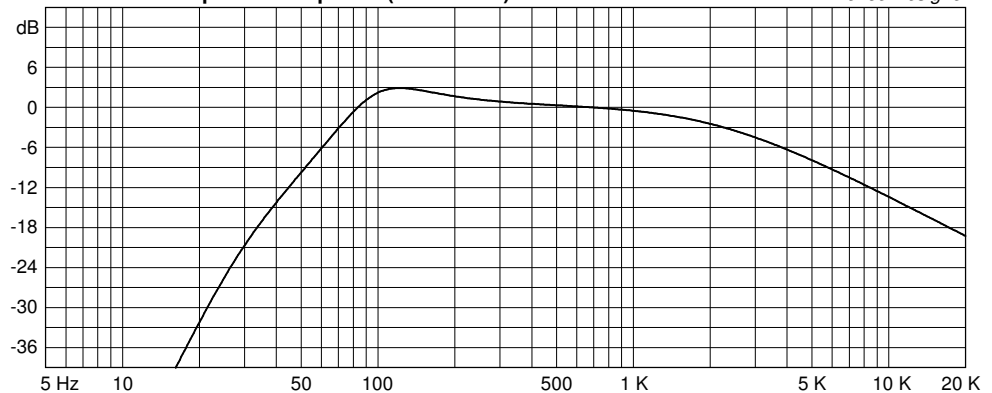
no = 1.296 % [5.184]

1-W SPL = 93.27 dB [99.29]

2.83-V SPL = 91.44 dB [103.5]

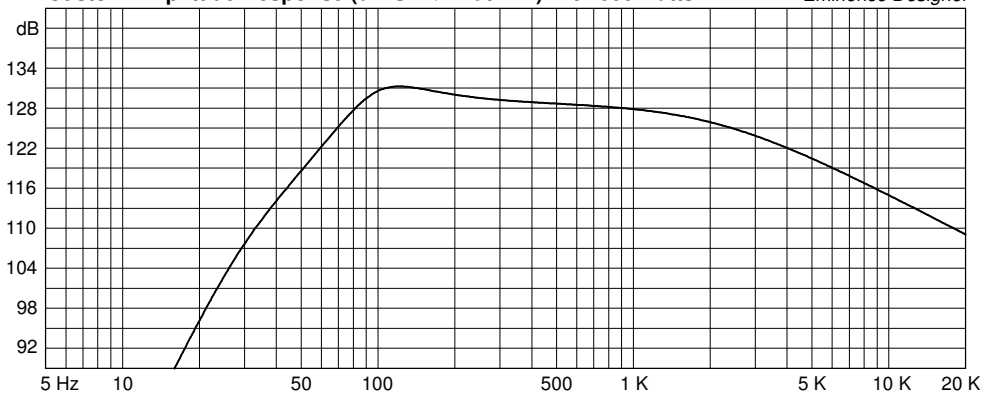
Normalized Amplitude Response (dB-SPL/Hz)

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

