

Basslite SC10-32 Large Sealed 4x10

By Anthony Lucas, Eminence Speaker

300 watts, F3 76Hz

Use high-pass filter at 75Hz for added protection



Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 7.5 cu.ft

V(total) = 7.814 cu.ft

Qtc = 0.665

QL = 10.75

F3 = 76.46 Hz

Fill = heavy

Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 4

Mounting = Standard

Wiring = Parallel

Drivers sum coherently = Yes

--Mechanical Parameters--

Fs = 47.37 Hz

Qms = 7.1

Vas = 79.97 liters [319.9]

Cms = 0.47 mm/N [0.118]

Mms = 23.85 g [95.4]

Rms = 1 kg/s [4]

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 = 0.59

Re = 25.1 ohms [6.275]

Le = 1.46 mH [0.365]

Z = 32 ohms [8]

BL = 17.32 Tm [17.38]

Pe = 100 watts [400]

--Electromech. Parameters--

Qts = 0.55

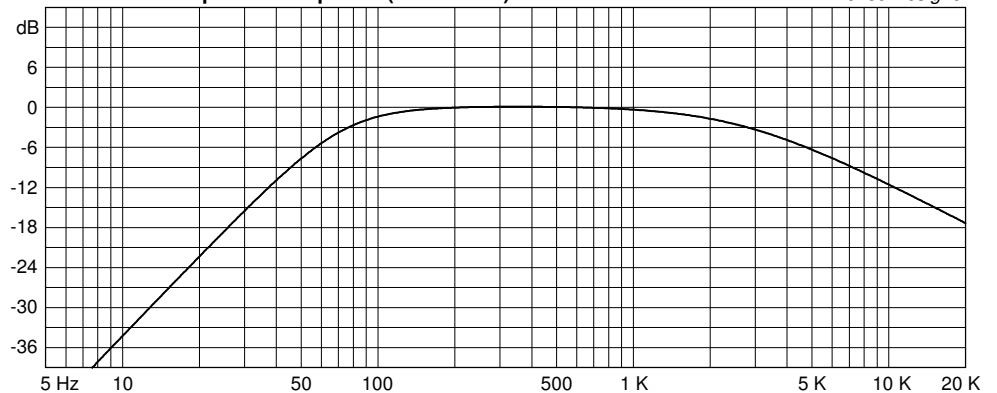
no = 1.389 % [5.556]

1-W SPL = 93.57 dB [99.59]

2.83-V SPL = 88.61 dB [100.7]

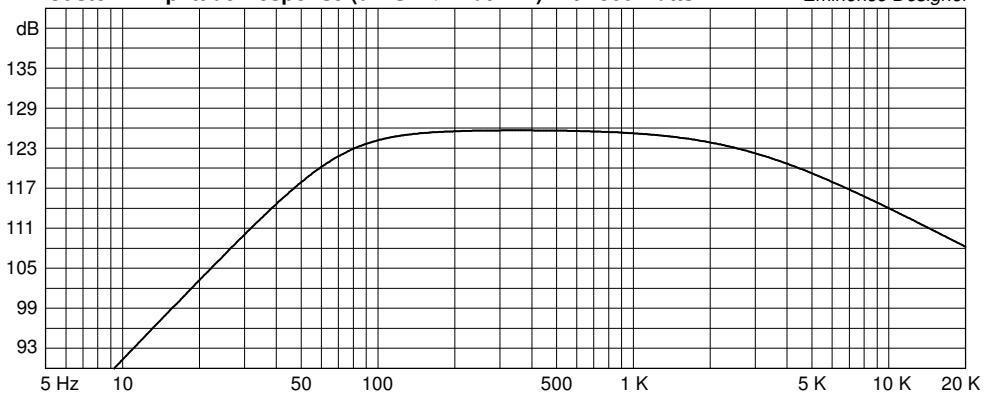
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



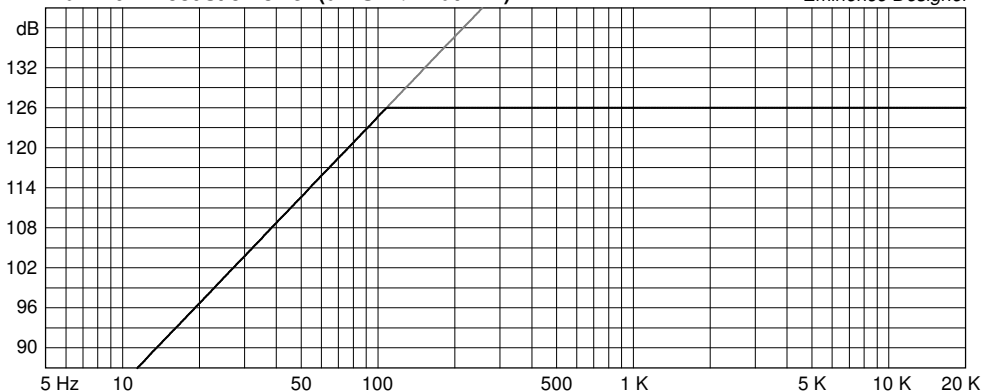
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 300 watts

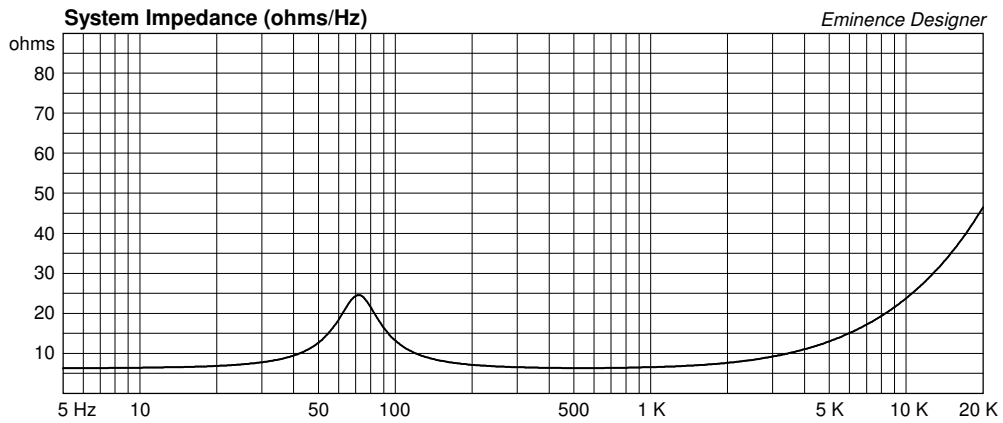
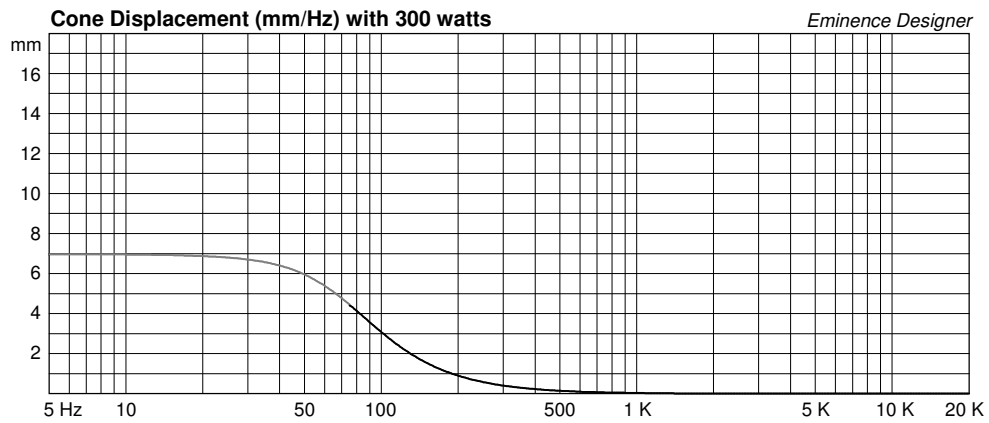
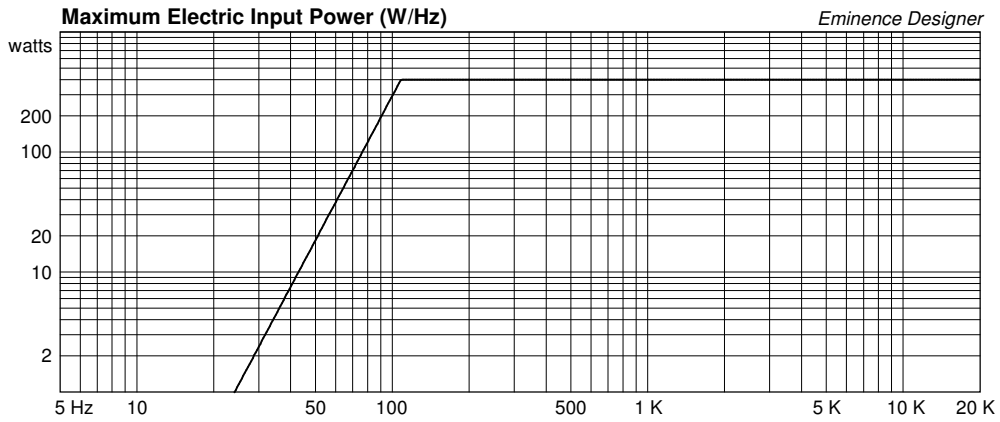
Eminence Designer



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

Eminence Designer





Basslite SC10-32 Large Sealed 8x10

By Anthony Lucas, Eminence Speaker

600 watts, F3 75Hz

Use high-pass filter at 75Hz for added protection



Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 14.2 cu.ft

V(total) = 14.7 cu.ft

Qtc = 0.683

QL = 13.9

F3 = 75.49 Hz

Fill = heavy

Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 8

Mounting = Standard

Wiring = Parallel

Drivers sum coherently = Yes

--Mechanical Parameters--

Fs = 47.37 Hz

Qms = 7.1

Vas = 79.97 liters [639.8]

Cms = 0.47 mm/N [0.0588]

Mms = 23.85 g [190.8]

Rms = 1 kg/s [8]

Xmax = 4.4 mm

Xmech = 6.6 mm

P-Dia = 209.9 mm [593.7]

Sd = 350.1 sq.cm [2801]

P-Vd = 0.152 liters [1.216]

--Electrical Parameters--

Qes = 0.59

Re = 25.1 ohms [3.138]

Le = 1.46 mH [0.183]

Z = 32 ohms [4]

BL = 17.32 Tm [17.38]

Pe = 100 watts [800]

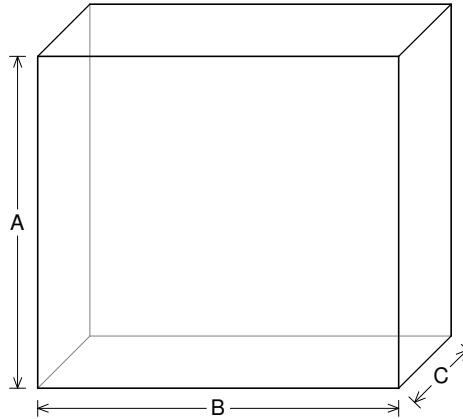
--Electromech. Parameters--

Qts = 0.55

no = 1.389 % [11.11]

1-W SPL = 93.57 dB [102.6]

2.83-V SPL = 88.61 dB [106.7]



--External Dimensions--

A = 45.5 in

B = 49.5 in

C = 13.53 in

--Internal Dimensions--

A = 44 in

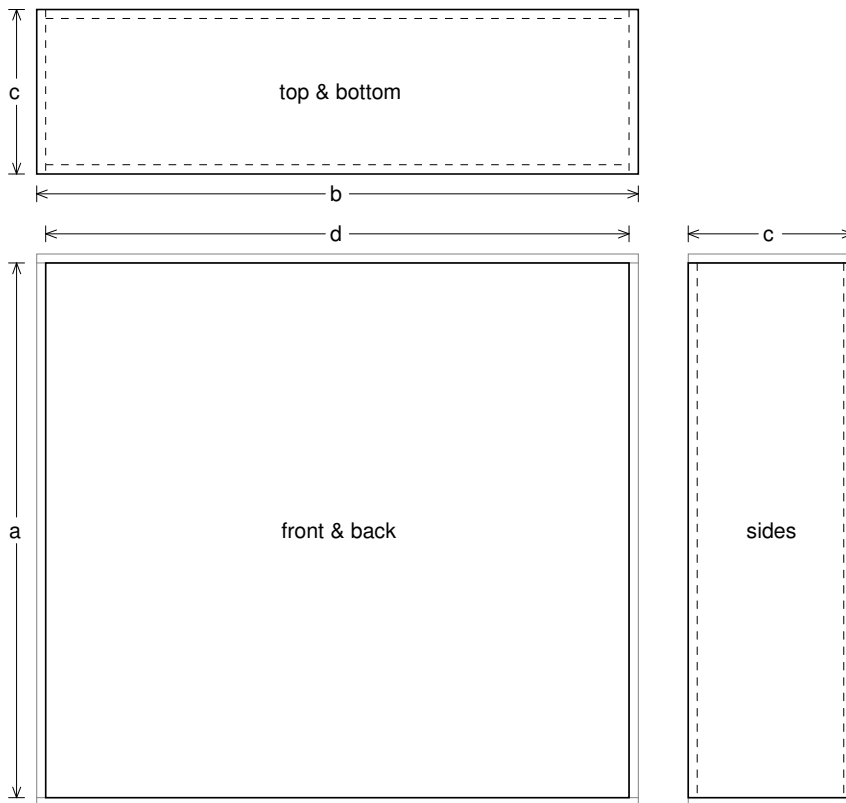
B = 48 in

C = 12.03 in

--Wall Thickness--

Front = 0.75 in

Side = 0.75 in



Box Parts

Box Shape: Square Prism

1 Top, 1 Bottom: depth (c) = 13.53 in
width (b) = 49.5, thickness = 0.75 in

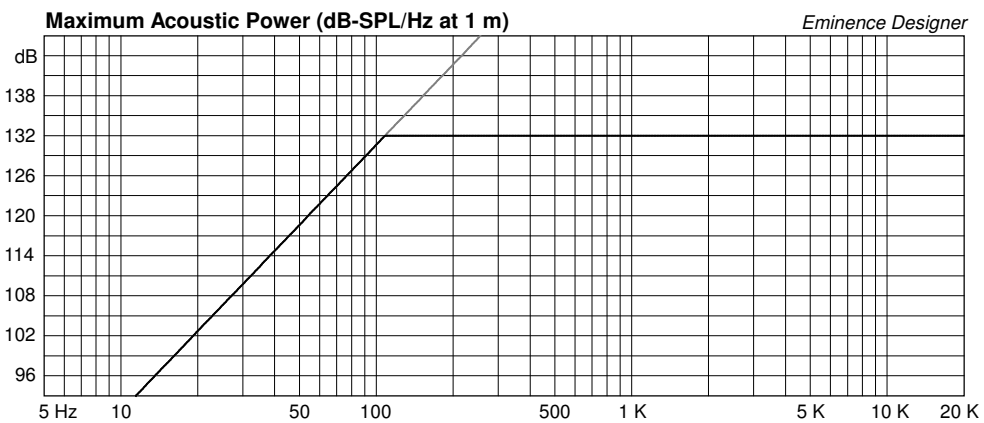
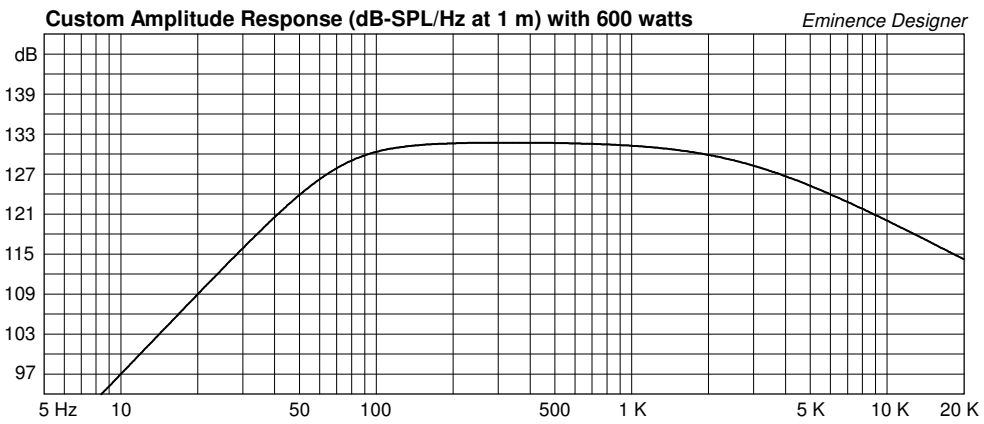
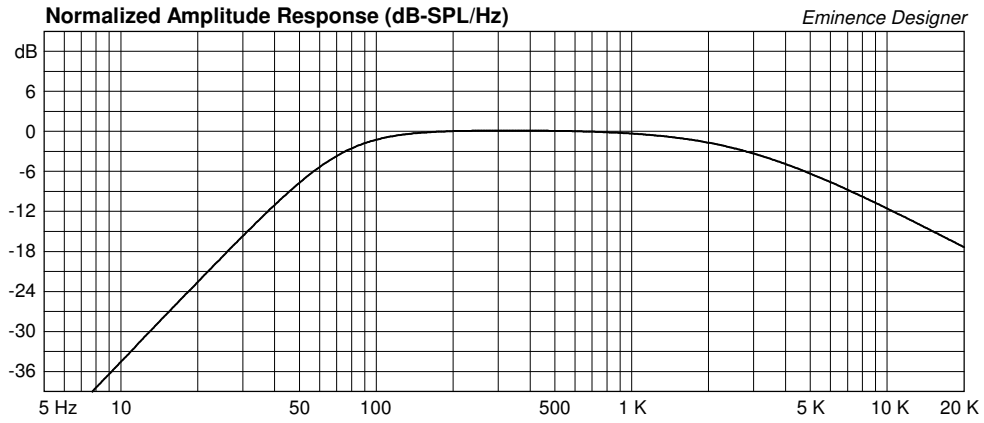
1 Front, 1 Back: height (a) = 44 in
width (d) = 48, thickness = 0.75 in

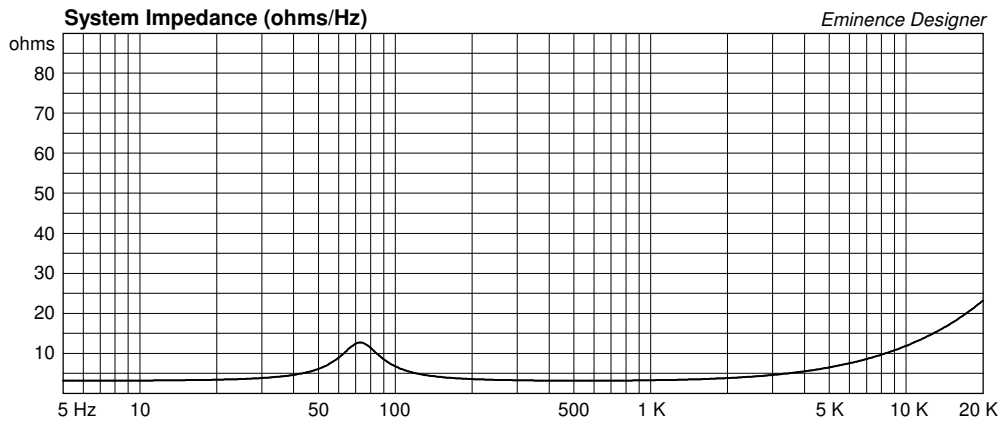
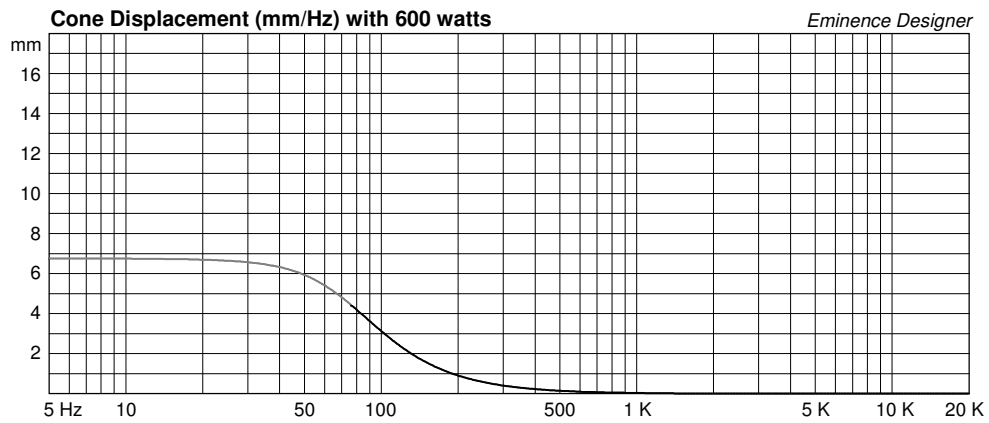
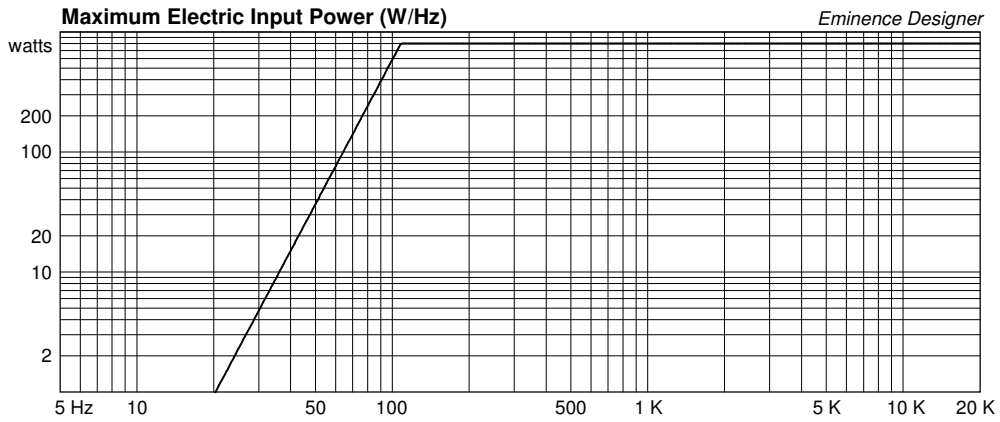
2 Sides: height (a) = 44 in
depth (c) = 13.53, thickness = 0.75 in

--Driver Mounting--

Mounting: Flush

Aim: All drivers face same direction





Basslite SC10-32 Medium Sealed 4x10

By Anthony Lucas, Eminence Speaker

300 watts, F3 77Hz

Use a high-pass filter at 75Hz for added protection



Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 5.8 cu.ft

V(total) = 6.114 cu.ft

Qtc = 0.706

QL = 10.75

F3 = 77.49 Hz

Fill = heavy

Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 4

Mounting = Standard

Wiring = Parallel

Drivers sum coherently = Yes

--Mechanical Parameters--

Fs = 47.37 Hz

Qms = 7.1

Vas = 79.97 liters [319.9]

Cms = 0.47 mm/N [0.118]

Mms = 23.85 g [95.4]

Rms = 1 kg/s [4]

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 = 0.59

Re = 25.1 ohms [6.275]

Le = 1.46 mH [0.365]

Z = 32 ohms [8]

BL = 17.32 Tm [17.38]

Pe = 100 watts [400]

--Electromech. Parameters--

Qts = 0.55

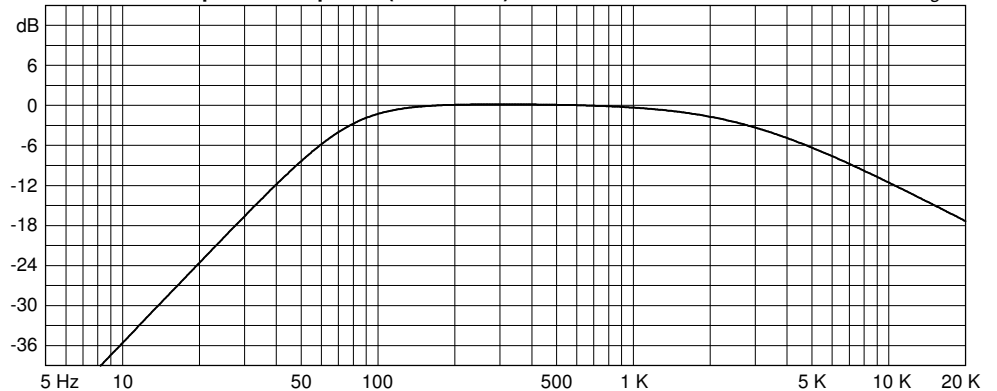
no = 1.389 % [5.556]

1-W SPL = 93.57 dB [99.59]

2.83-V SPL = 88.61 dB [100.7]

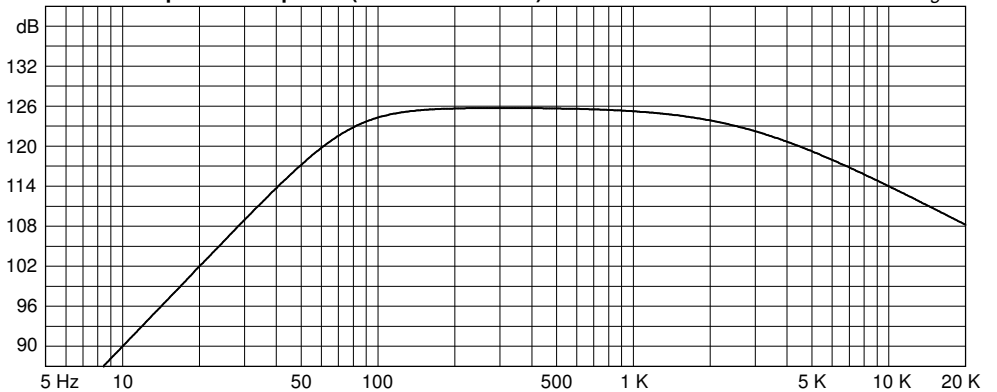
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



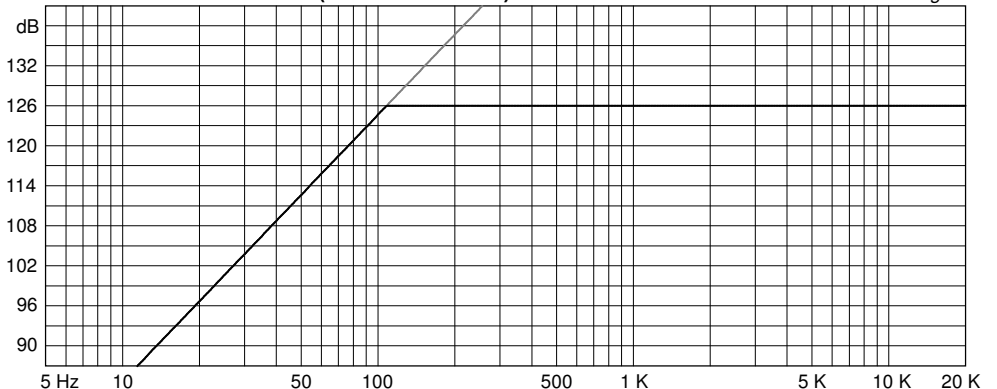
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 300 watts

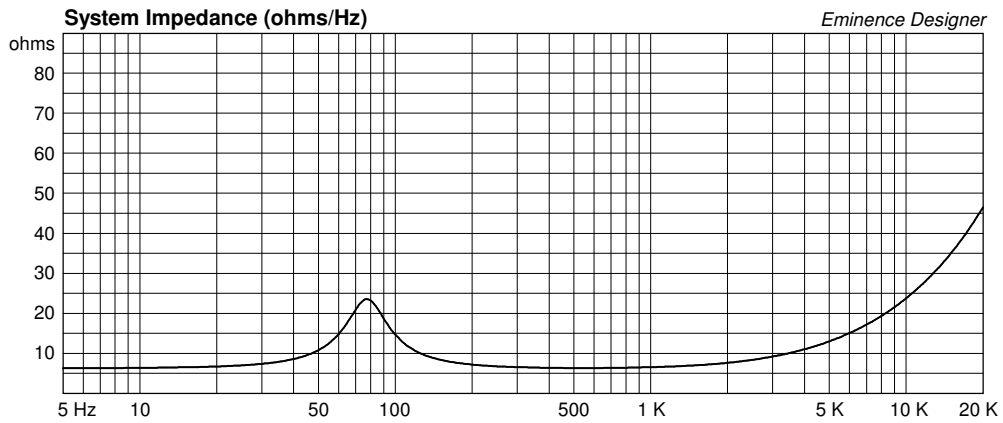
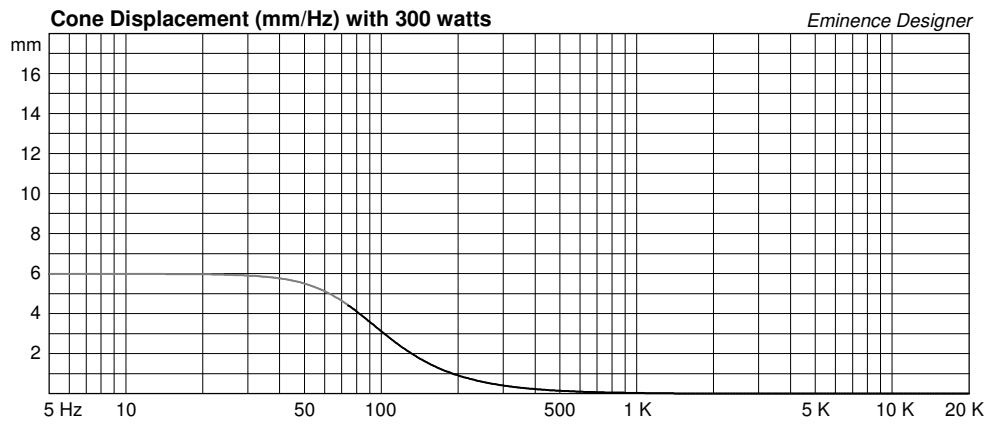
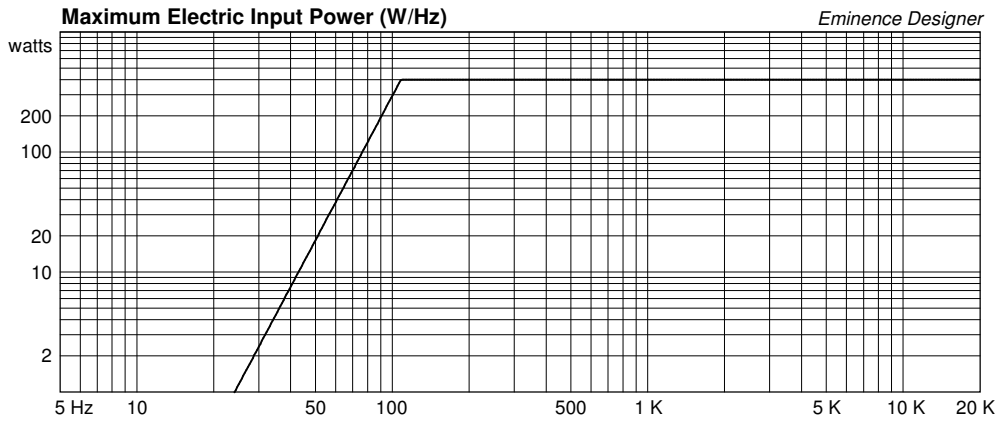
Eminence Designer



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

Eminence Designer





Basslite SC10-32 Medium Sealed 8x10

By Anthony Lucas, Eminence Speaker

800 watts, F3 84Hz

Use high-pass filter at 75Hz for added protection



Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 9.049 cu.ft

V(total) = 9.552 cu.ft

Qtc = 0.707

QL = 5.602

F3 = 83.86 Hz

Fill = heavy

Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 8

Mounting = Standard

Wiring = Parallel

Drivers sum coherently = Yes

--Mechanical Parameters--

Fs = 47.37 Hz

Qms = 7.1

Vas = 79.97 liters [639.8]

Cms = 0.47 mm/N [0.0588]

Mms = 23.85 g [190.8]

Rms = 1 kg/s [8]

Xmax = 4.4 mm

Xmech = 6.6 mm

P-Dia = 209.9 mm [593.7]

Sd = 350.1 sq.cm [2801]

P-Vd = 0.152 liters [1.216]

--Electrical Parameters--

Qes = 0.59

Re = 25.1 ohms [3.138]

Le = 1.46 mH [0.183]

Z = 32 ohms [4]

BL = 17.32 Tm [17.38]

Pe = 100 watts [800]

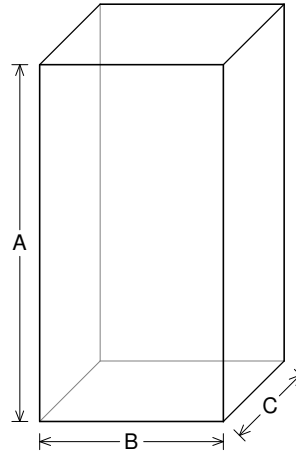
--Electromech. Parameters--

Qts = 0.55

no = 1.389 % [11.11]

1-W SPL = 93.57 dB [102.6]

2.83-V SPL = 88.61 dB [106.7]



--External Dimensions--

A = 49.5 in

B = 25.5 in

C = 15.83 in

--Internal Dimensions--

A = 48 in

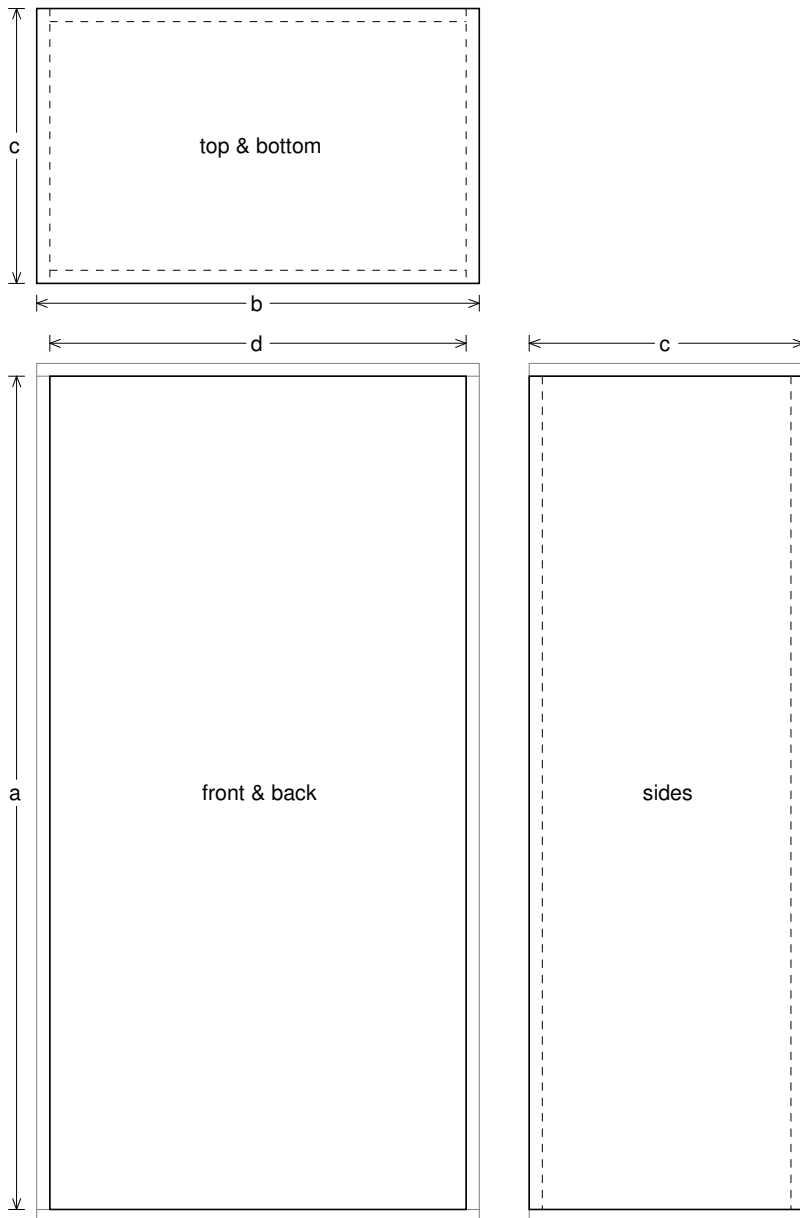
B = 24 in

C = 14.33 in

--Wall Thickness--

Front = 0.75 in

Side = 0.75 in



Box Parts

Box Shape: Square Prism

1 Top, 1 Bottom: depth (c) = 15.83 in
width (b) = 25.5, thickness = 0.75 in

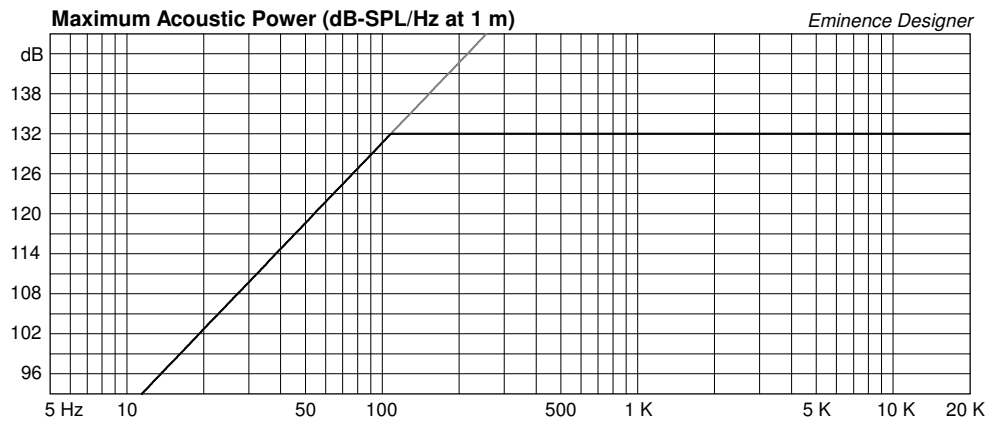
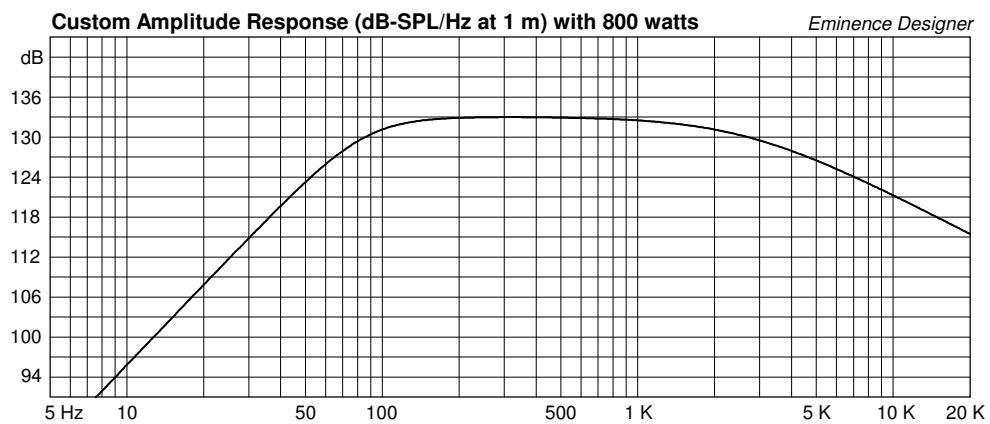
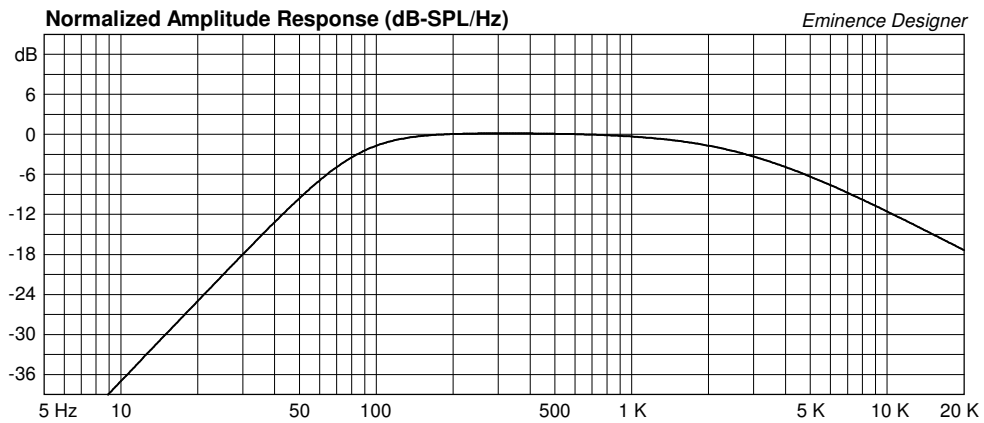
1 Front, 1 Back: height (a) = 48 in
width (d) = 24, thickness = 0.75 in

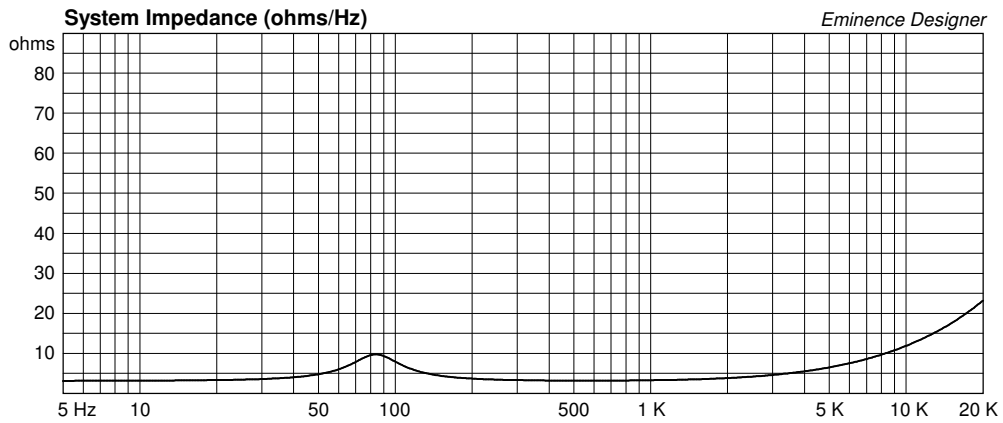
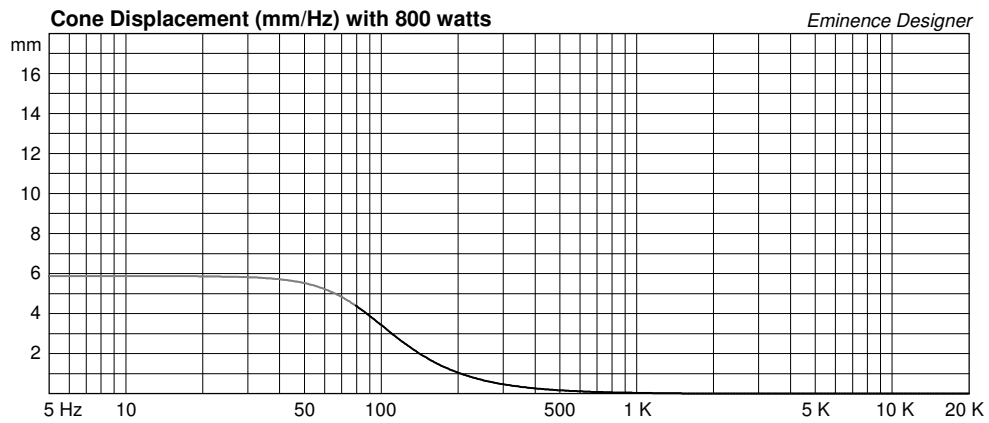
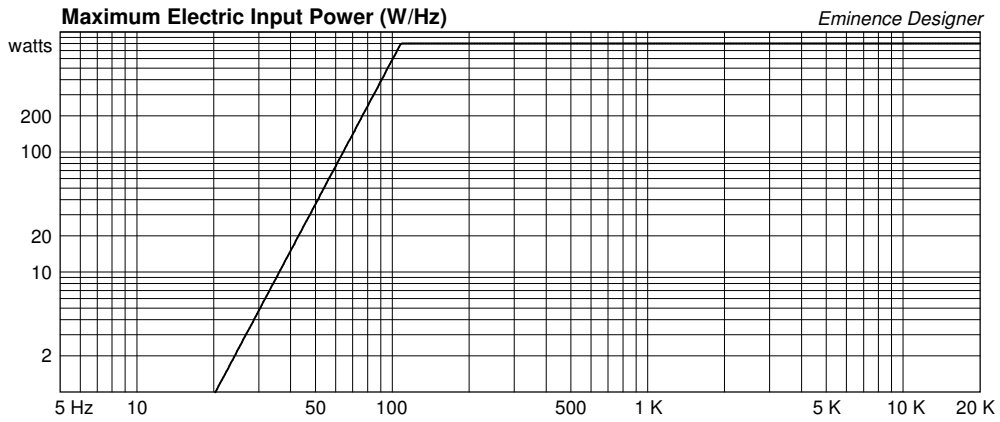
2 Sides: height (a) = 48 in
depth (c) = 15.83, thickness = 0.75 in

--Driver Mounting--

Mounting: Flush

Aim: All drivers face same direction





Basslite SC10-32 Medium Vented 4x10

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



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 10 cu.ft

V(total) = 10.99 cu.ft

Fb = 55 Hz

QL = 5

F3 = 50.39 Hz

Fill = minimal

--Vents--

No. of Vents = 6

Vent shape = round

Vent ends = one flush

Dv = 6 in

Lv = 6.329 in

Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 4

Mounting = Standard

Wiring = Parallel

Drivers sum coherently = Yes

--Mechanical Parameters--

Fs = 47.37 Hz

Qms = 7.1

Vas = 79.97 liters [319.9]

Cms = 0.47 mm/N [0.118]

Mms = 23.85 g [95.4]

Rms = 1 kg/s [4]

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 = 0.59

Re = 25.1 ohms [6.275]

Le = 1.46 mH [0.365]

Z = 32 ohms [8]

BL = 17.32 Tm [17.38]

Pe = 100 watts [400]

--Electromech. Parameters--

Qts = 0.55

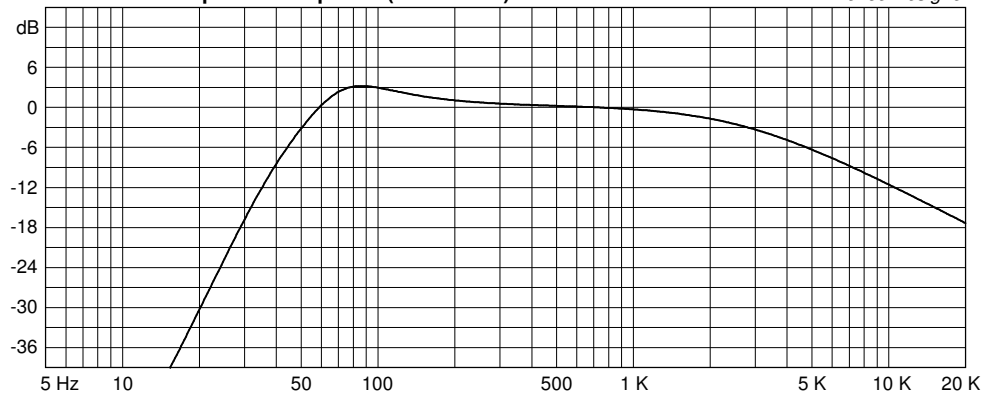
no = 1.389 % [5.556]

1-W SPL = 93.57 dB [99.59]

2.83-V SPL = 88.61 dB [100.7]

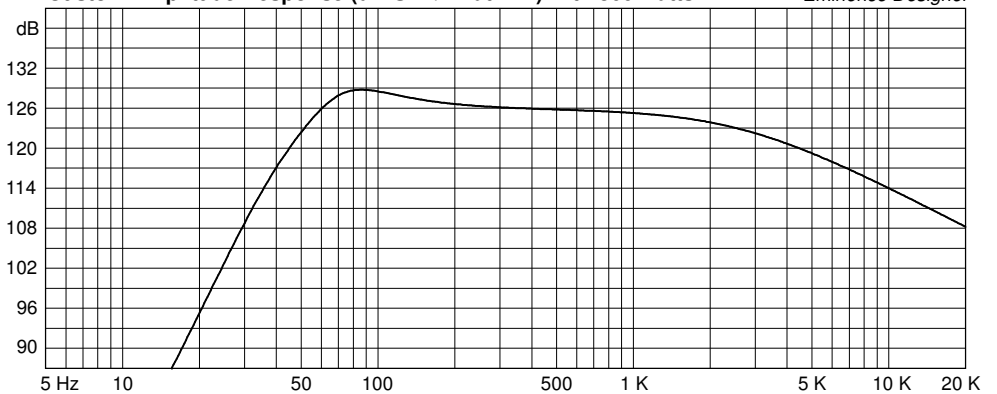
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



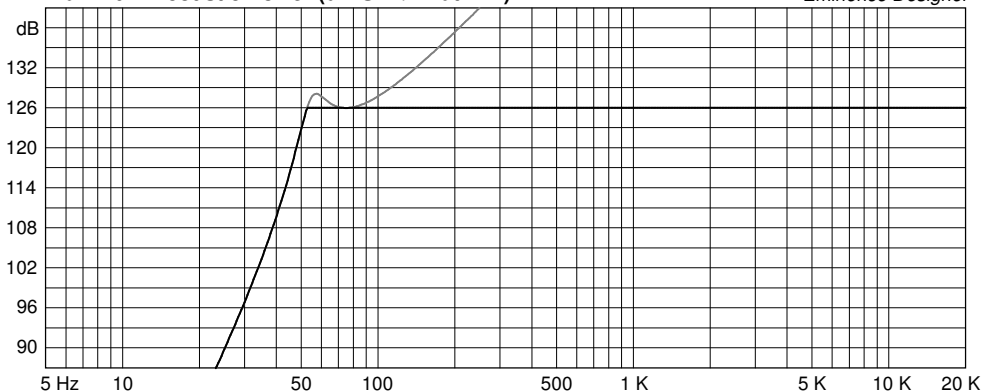
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 300 watts

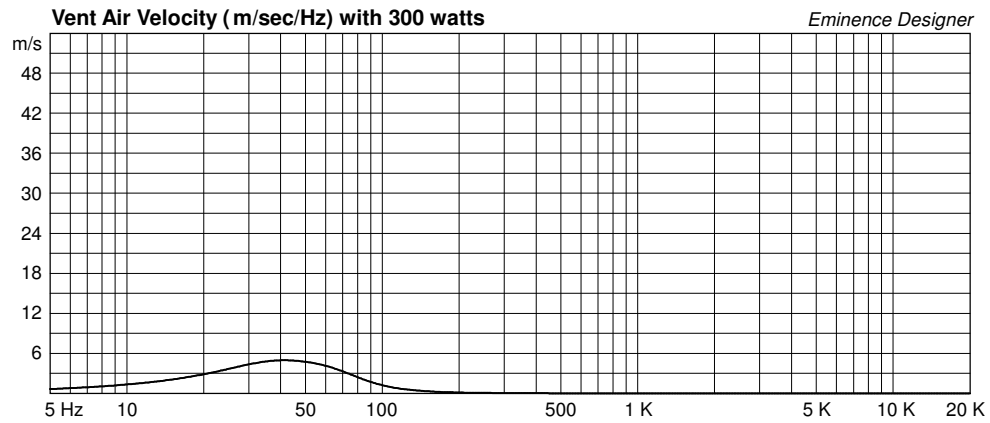
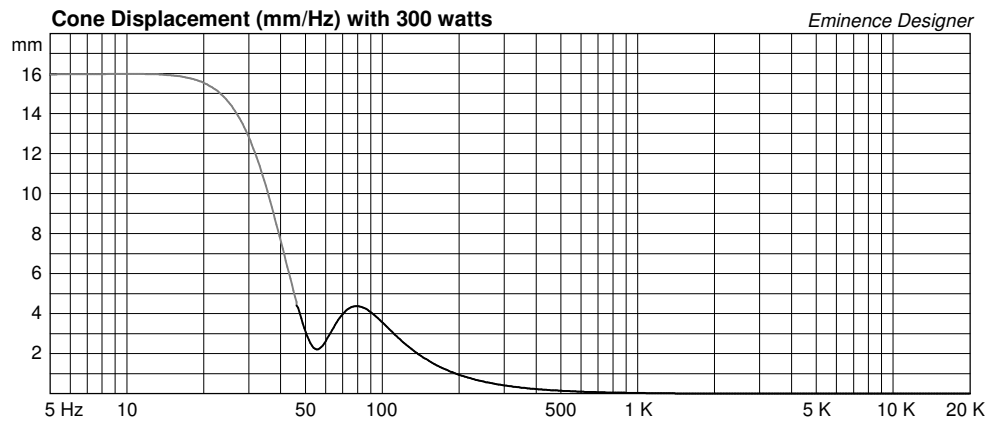
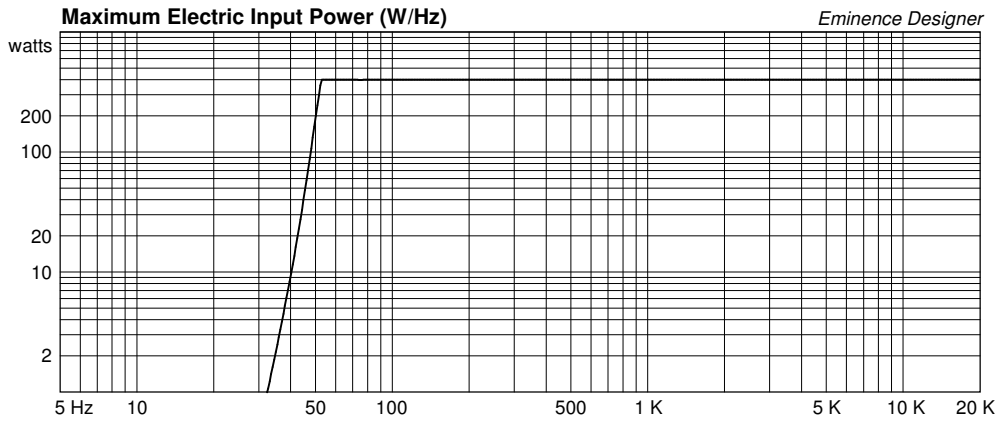
Eminence Designer

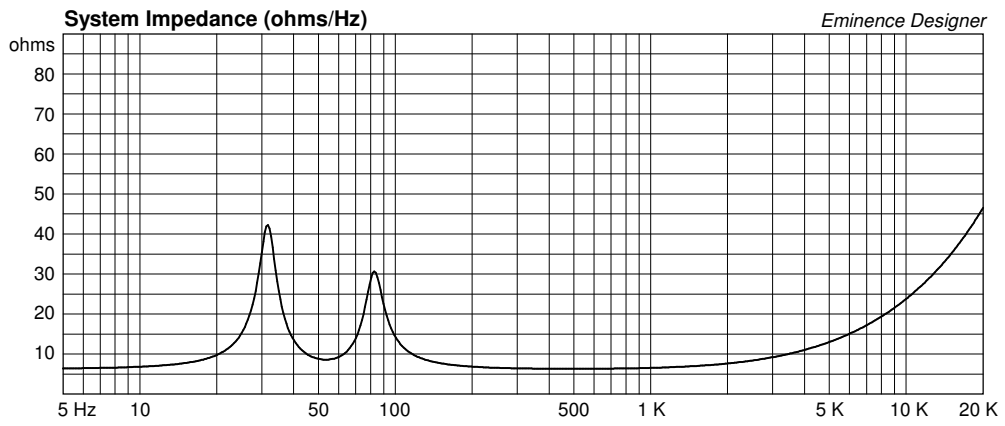


Maximum Acoustic Power (dB-SPL/Hz at 1 m)

Eminence Designer







Basslite SC10-32 Medium Vented 8x10

By Anthony Lucas, Eminence Speaker

600 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

--Box Parameters--

Vb = 20 cu.ft

V(total) = 21.06 cu.ft

Fb = 55 Hz

QL = 5

F3 = 50.39 Hz

Fill = minimal

--Vents--

No. of Vents = 10

Vent shape = round

Vent ends = one flush

Dv = 6 in

Lv = 2.43 in

Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 8

Mounting = Standard

Wiring = Parallel

Drivers sum coherently = Yes

--Mechanical Parameters--

Fs = 47.37 Hz

Qms = 7.1

Vas = 79.97 liters [639.8]

Cms = 0.47 mm/N [0.0588]

Mms = 23.85 g [190.8]

Rms = 1 kg/s [8]

Xmax = 4.4 mm

Xmech = 6.6 mm

P-Dia = 209.9 mm [593.7]

Sd = 350.1 sq.cm [2801]

P-Vd = 0.152 liters [1.216]

--Electrical Parameters--

Qes = 0.59

Re = 25.1 ohms [3.138]

Le = 1.46 mH [0.183]

Z = 32 ohms [4]

BL = 17.32 Tm [17.38]

Pe = 100 watts [800]

--Electromech. Parameters--

Qts = 0.55

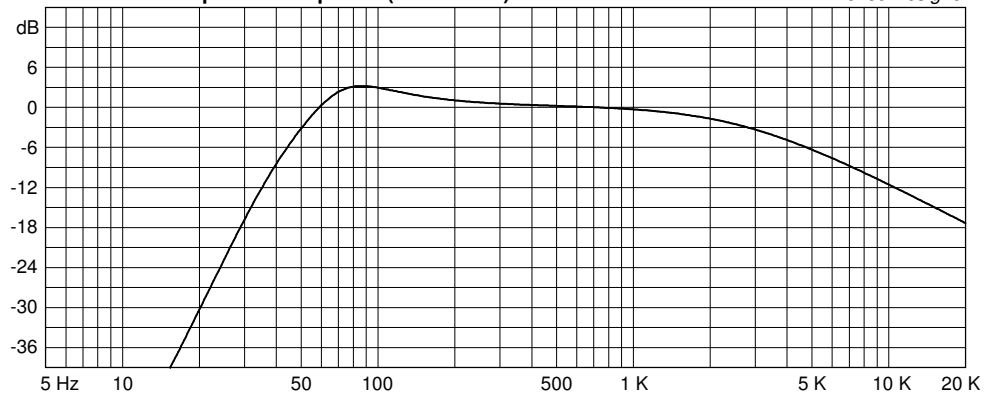
no = 1.389 % [11.11]

1-W SPL = 93.57 dB [102.6]

2.83-V SPL = 88.61 dB [106.7]

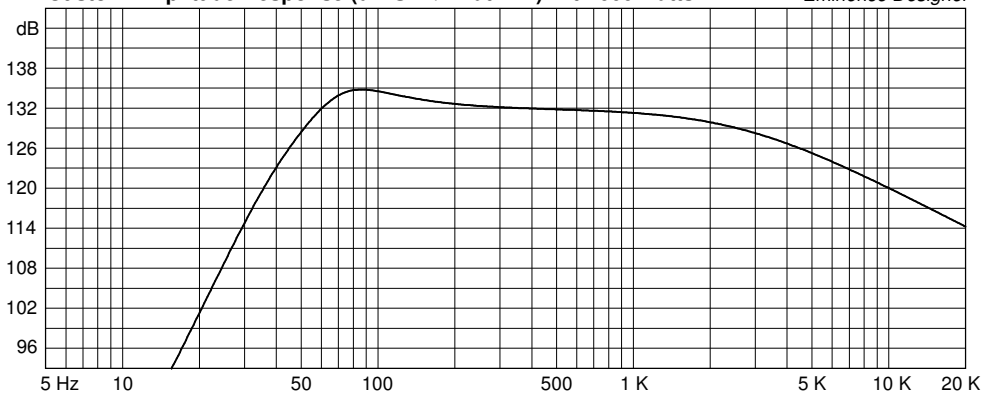
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



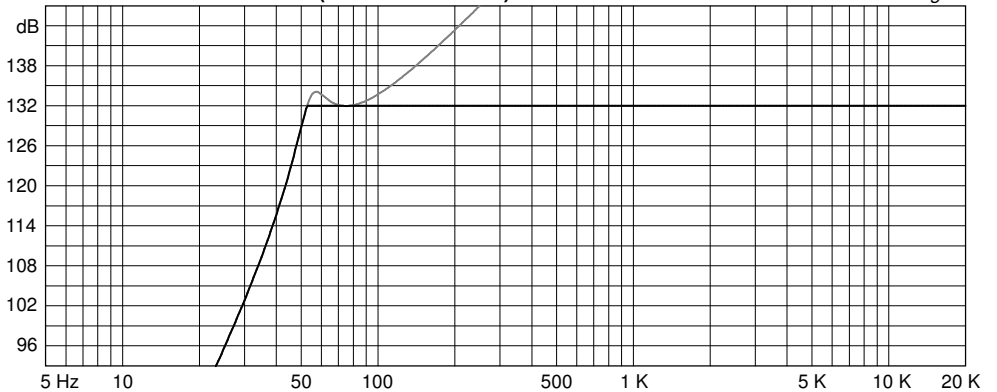
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 600 watts

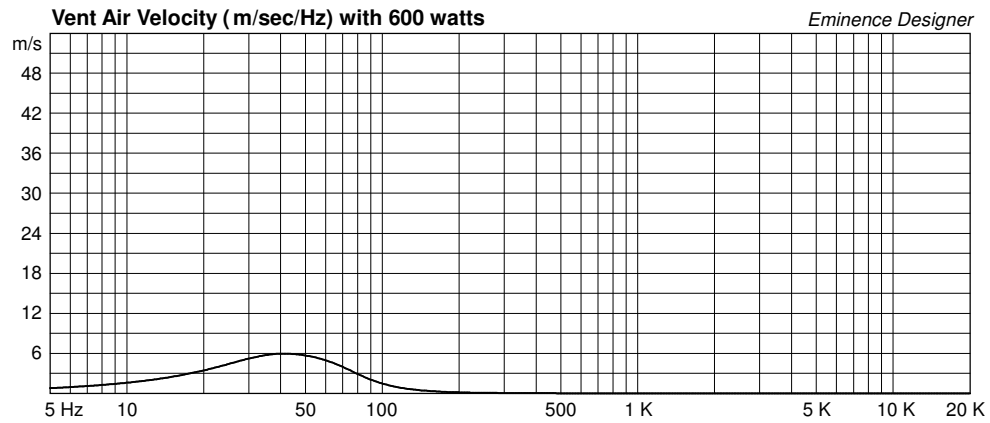
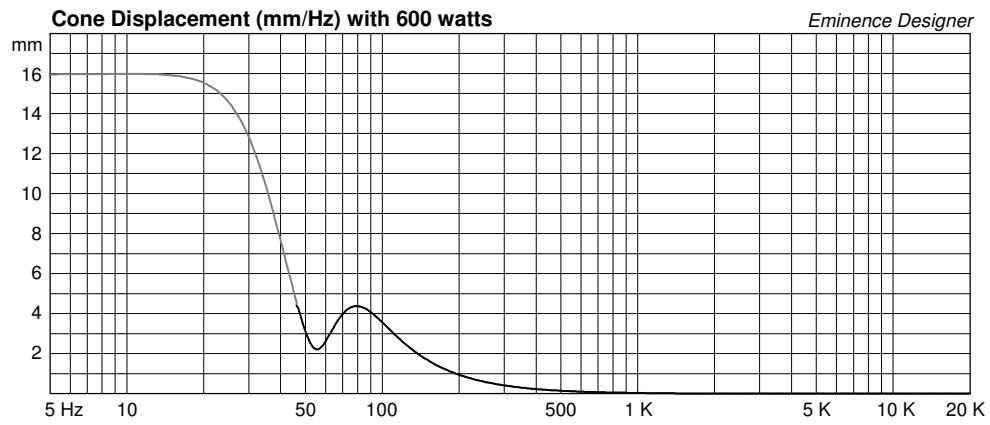
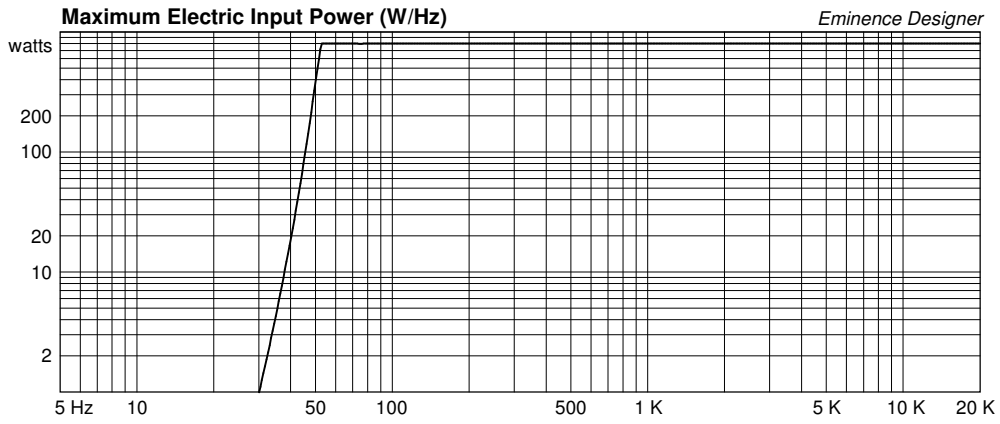
Eminence Designer

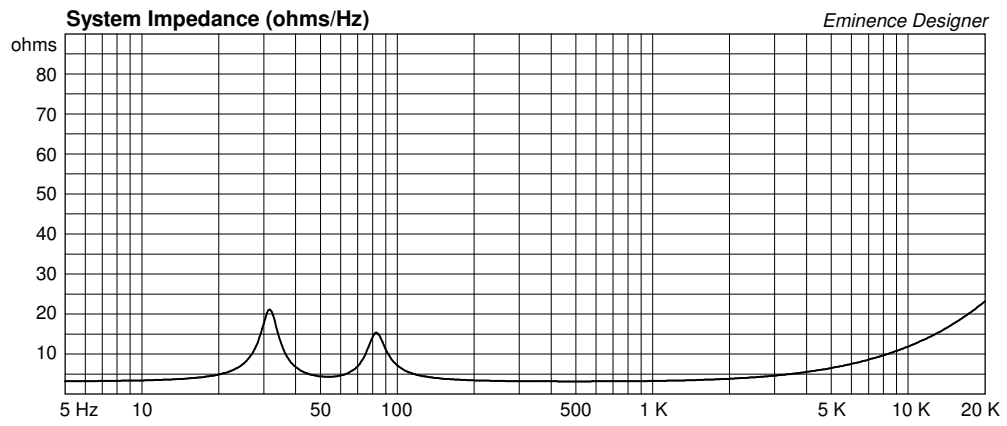


Maximum Acoustic Power (dB-SPL/Hz at 1 m)

Eminence Designer







Basslite SC10-32 Small Sealed 4x10

By Anthony Lucas, Eminence Speaker
400 watts, F3 90Hz



Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 2.057 cu.ft

V(total) = 2.371 cu.ft

Qtc = 0.974

QL = 17.78

F3 = 90.41 Hz

Fill = heavy

Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 4

Mounting = Standard

Wiring = Parallel

Drivers sum coherently = Yes

--Mechanical Parameters--

Fs = 47.37 Hz

Qms = 7.1

Vas = 79.97 liters [319.9]

Cms = 0.47 mm/N [0.118]

Mms = 23.85 g [95.4]

Rms = 1 kg/s [4]

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 = 0.59

Re = 25.1 ohms [6.275]

Le = 1.46 mH [0.365]

Z = 32 ohms [8]

BL = 17.32 Tm [17.38]

Pe = 100 watts [400]

--Electromech. Parameters--

Qts = 0.55

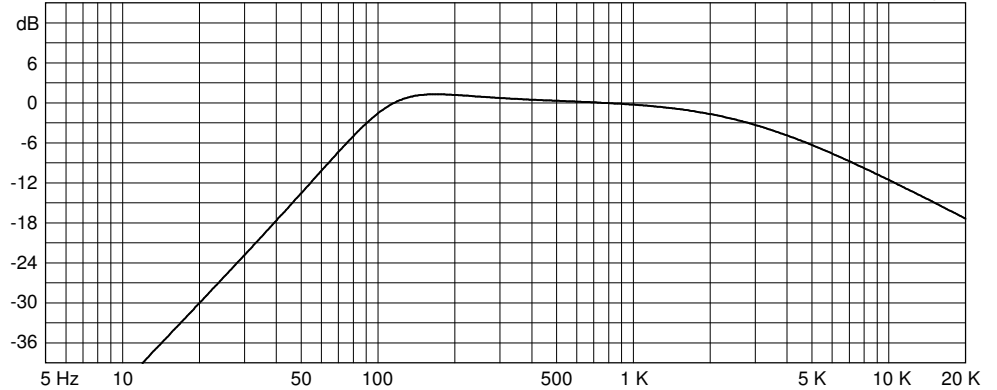
no = 1.389 % [5.556]

1-W SPL = 93.57 dB [99.59]

2.83-V SPL = 88.61 dB [100.7]

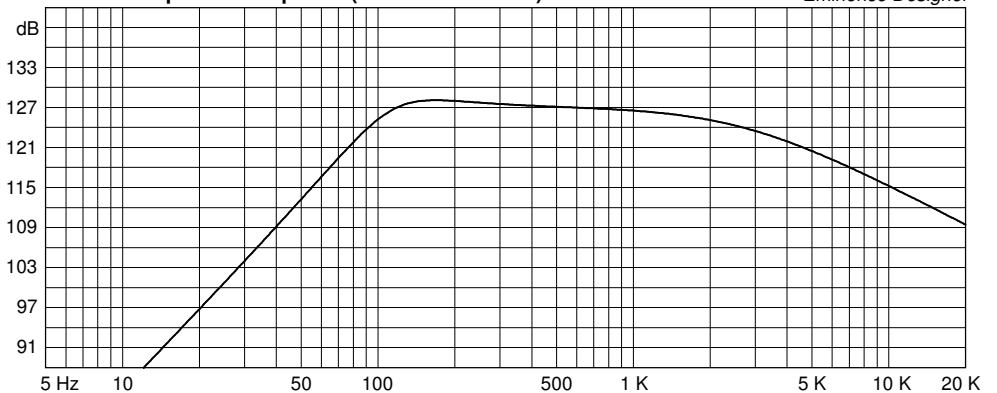
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



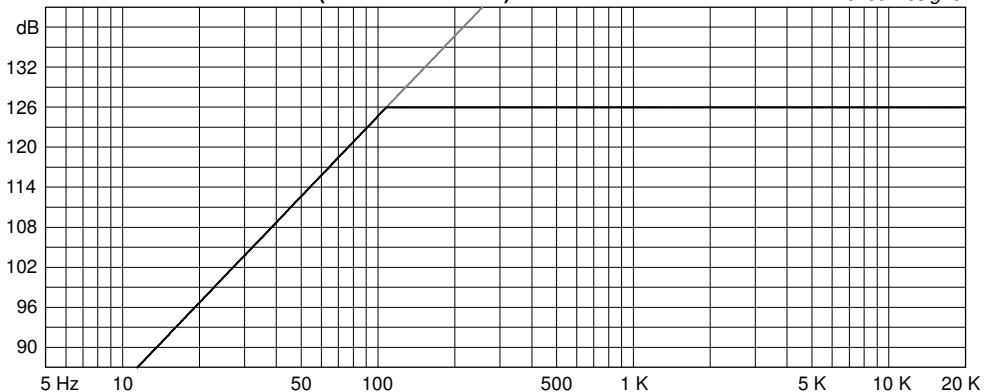
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 400 watts

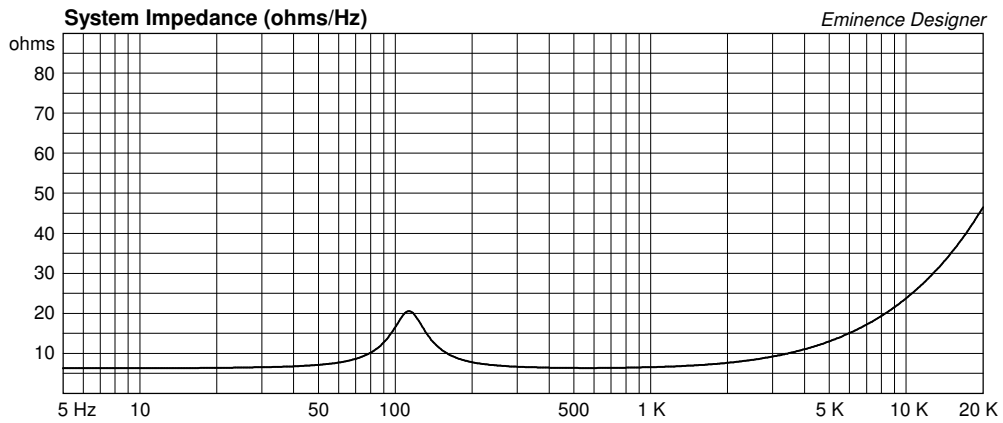
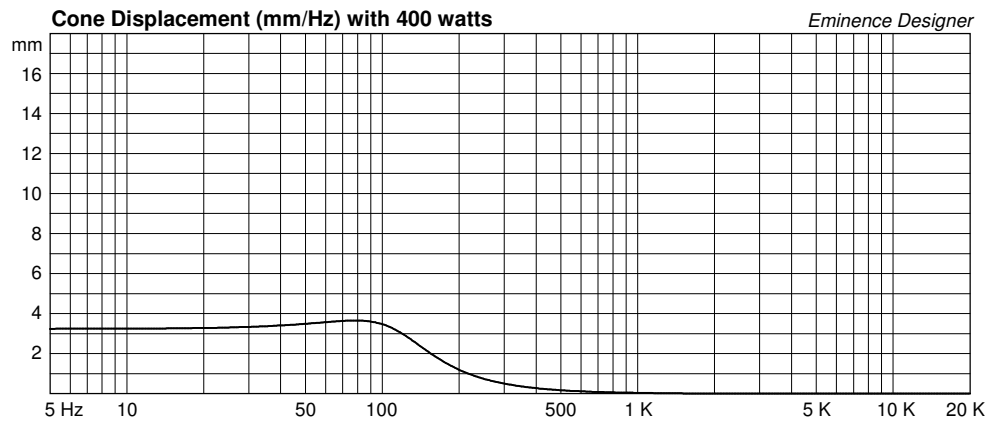
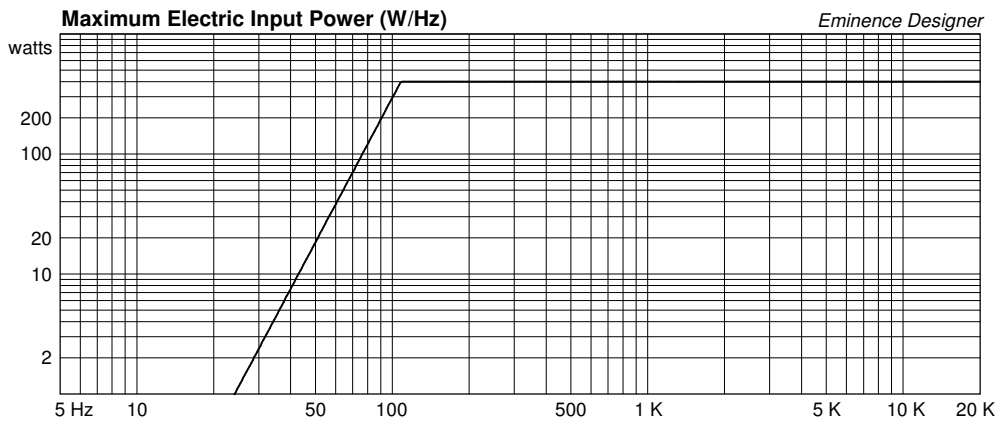
Eminence Designer



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

Eminence Designer





Basslite SC10-32 Small Sealed 8x10

By Anthony Lucas, Eminence Speaker
800 watts, F3 91Hz



Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 4.115 cu.ft

V(total) = 4.618 cu.ft

Qtc = 0.96

QL = 13.9

F3 = 91.06 Hz

Fill = heavy

Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 8

Mounting = Standard

Wiring = Parallel

Drivers sum coherently = Yes

--Mechanical Parameters--

Fs = 47.37 Hz

Qms = 7.1

Vas = 79.97 liters [639.8]

Cms = 0.47 mm/N [0.0588]

Mms = 23.85 g [190.8]

Rms = 1 kg/s [8]

Xmax = 4.4 mm

Xmech = 6.6 mm

P-Dia = 209.9 mm [593.7]

Sd = 350.1 sq.cm [2801]

P-Vd = 0.152 liters [1.216]

--Electrical Parameters--

Qes = 0.59

Re = 25.1 ohms [3.138]

Le = 1.46 mH [0.183]

Z = 32 ohms [4]

BL = 17.32 Tm [17.38]

Pe = 100 watts [800]

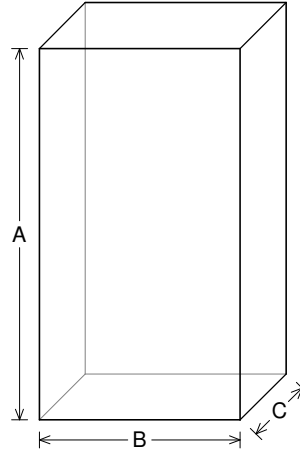
--Electromech. Parameters--

Qts = 0.55

no = 1.389 % [11.11]

1-W SPL = 93.57 dB [102.6]

2.83-V SPL = 88.61 dB [106.7]



--External Dimensions--

A = 43.5 in

B = 23.5 in

C = 10.14 in

--Internal Dimensions--

A = 42 in

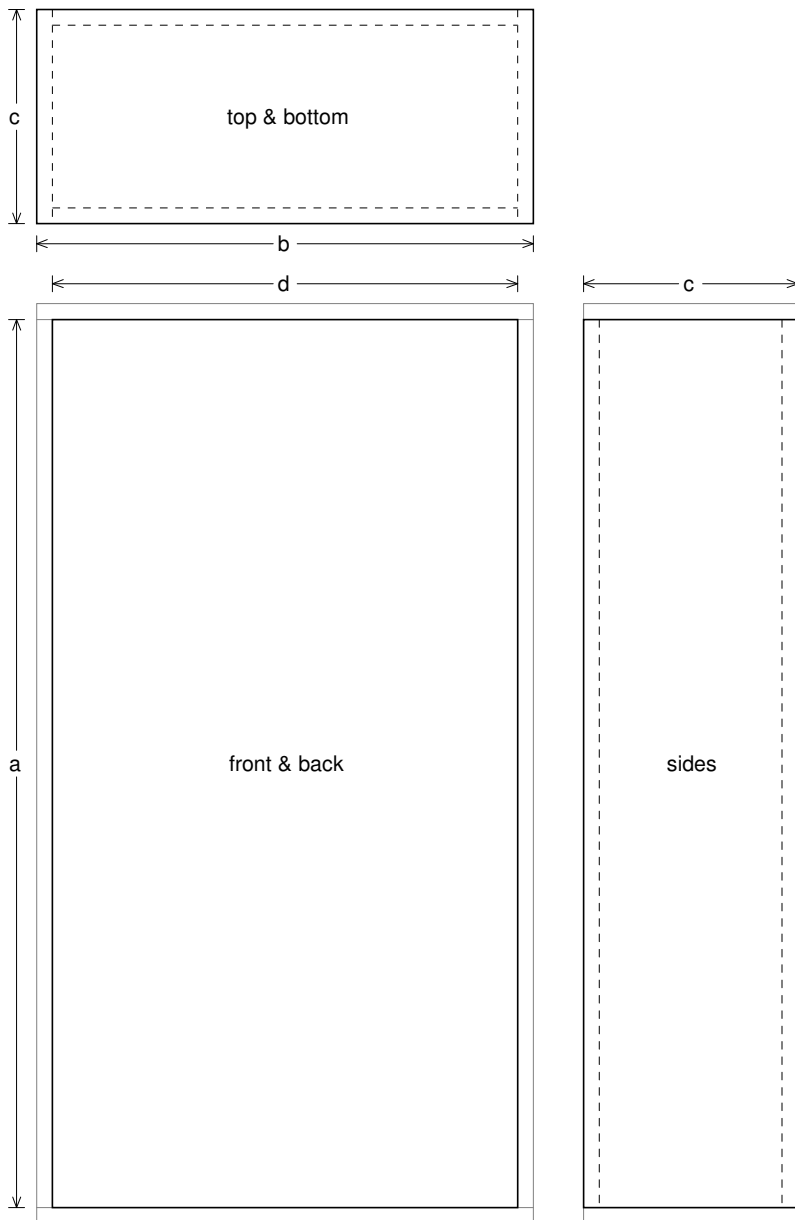
B = 22 in

C = 8.636 in

--Wall Thickness--

Front = 0.75 in

Side = 0.75 in



Box Parts

Box Shape: Square Prism

1 Top, 1 Bottom: depth (c) = 10.14 in
width (b) = 23.5, thickness = 0.75 in

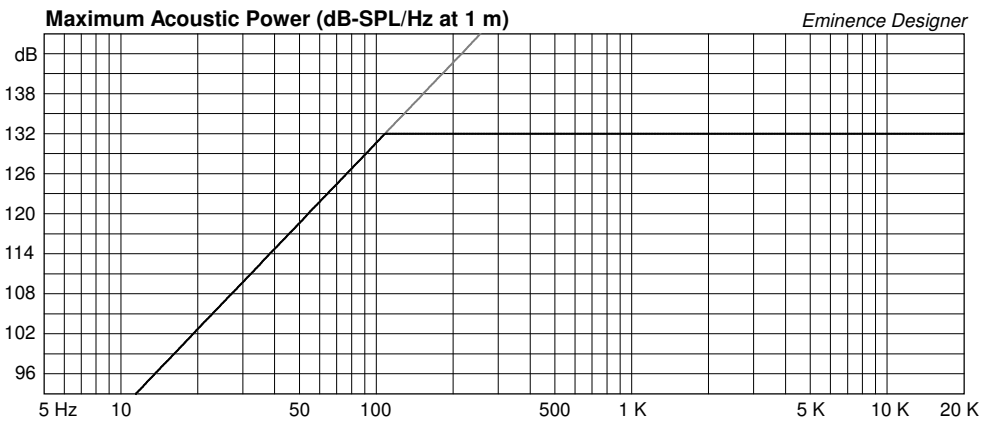
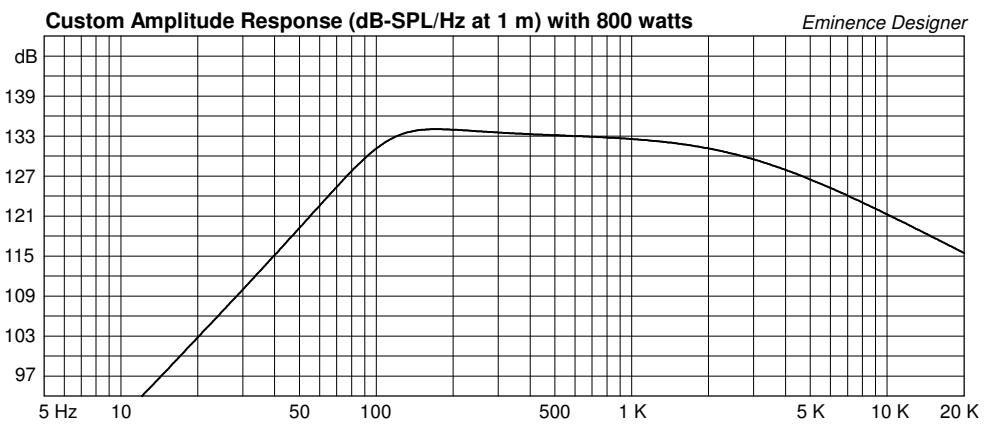
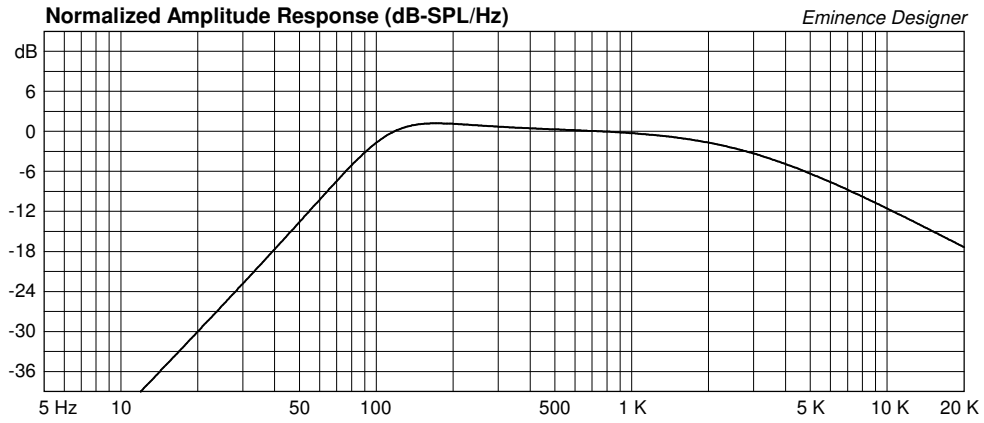
1 Front, 1 Back: height (a) = 42 in
width (d) = 22, thickness = 0.75 in

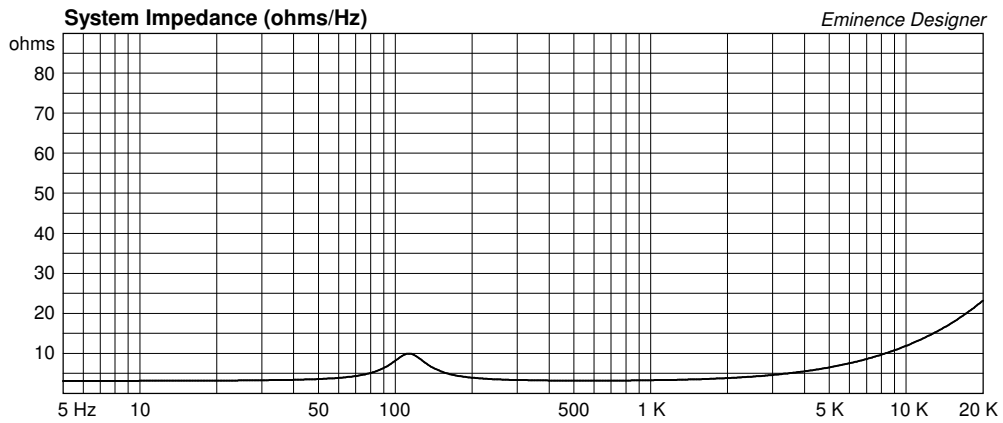
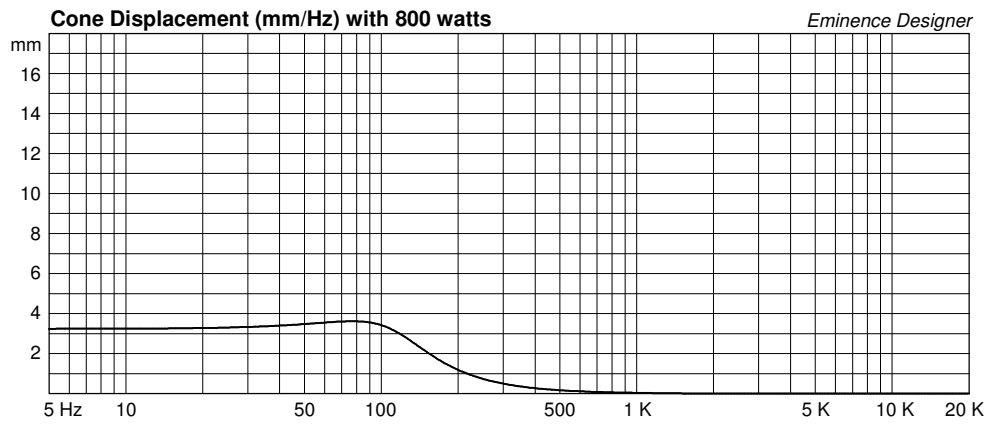
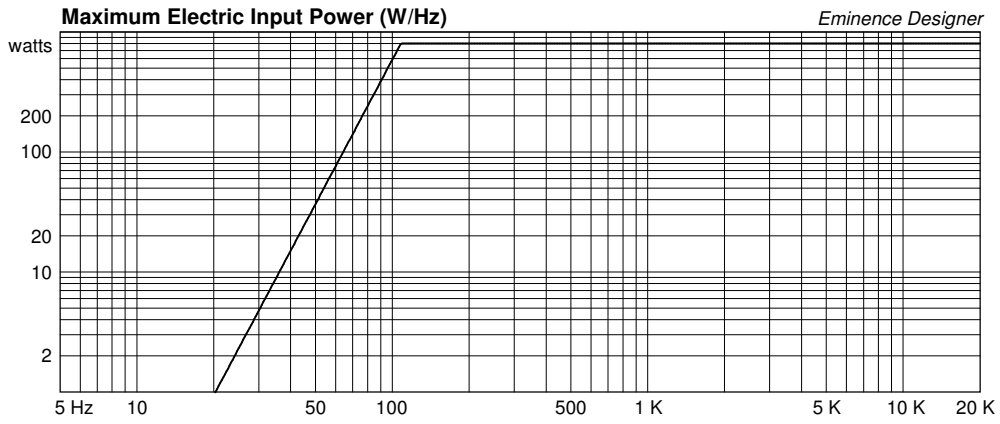
2 Sides: height (a) = 42 in
depth (c) = 10.14, thickness = 0.75 in

--Driver Mounting--

Mounting: Flush

Aim: All drivers face same direction





Basslite SC10-32 Small Vented 4x10

By Anthony Lucas, Eminence Speaker
400 watts, F3 62Hz. Use full-range for bass guitar.
For pro audio applications, use a steep high-pass filter at 45Hz



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 5.642 cu.ft

V(total) = 6.079 cu.ft

Fb = 64 Hz

QL = 5.991

F3 = 62.27 Hz

Fill = minimal

--Vents--

No. of Vents = 4

Vent shape = round

Vent ends = one flush

Dv = 5 in

Lv = 2.454 in

Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 4

Mounting = Standard

Wiring = Parallel

Drivers sum coherently = Yes

--Mechanical Parameters--

Fs = 47.37 Hz

Qms = 7.1

Vas = 79.97 liters [319.9]

Cms = 0.47 mm/N [0.118]

Mms = 23.85 g [95.4]

Rms = 1 kg/s [4]

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 = 0.59

Re = 25.1 ohms [6.275]

Le = 1.46 mH [0.365]

Z = 32 ohms [8]

BL = 17.32 Tm [17.38]

Pe = 100 watts [400]

--Electromech. Parameters--

Qts = 0.55

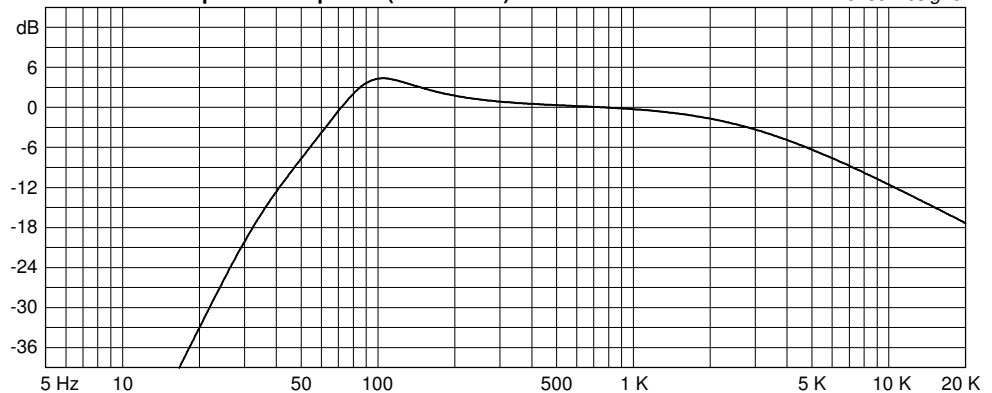
no = 1.389 % [5.556]

1-W SPL = 93.57 dB [99.59]

2.83-V SPL = 88.61 dB [100.7]

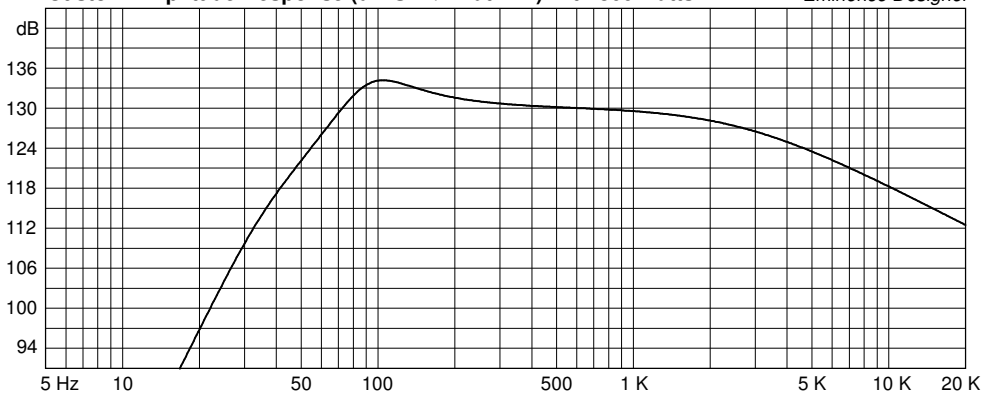
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



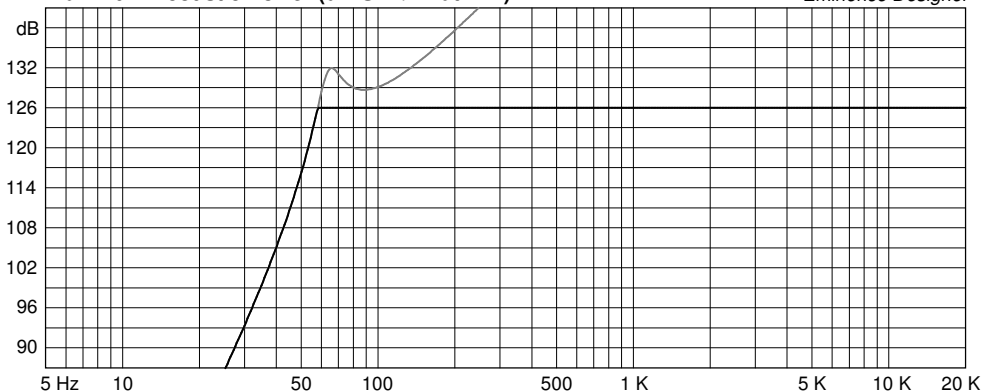
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 800 watts

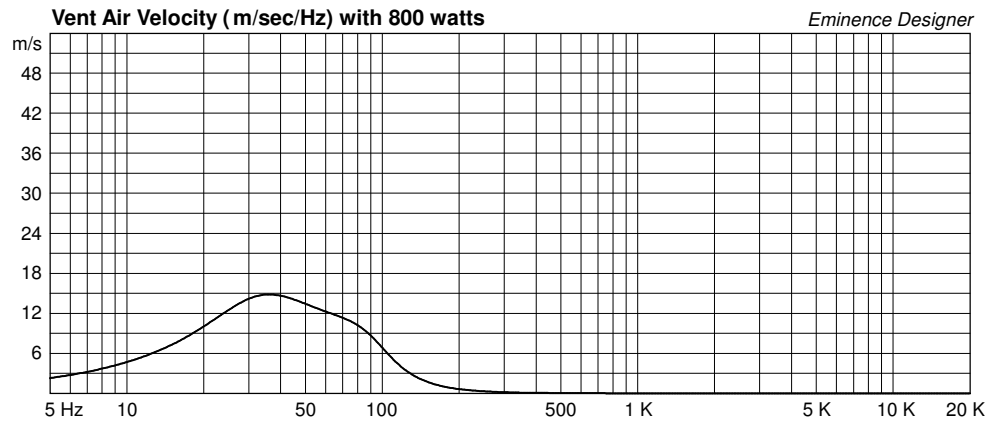
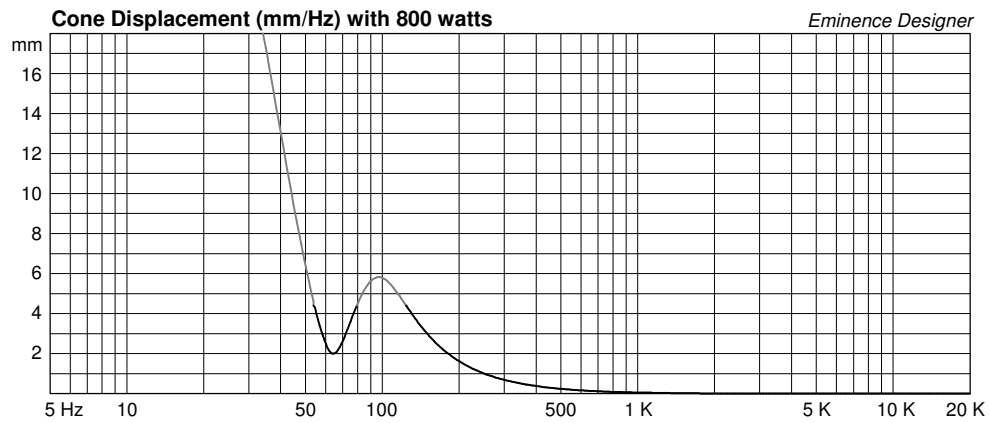
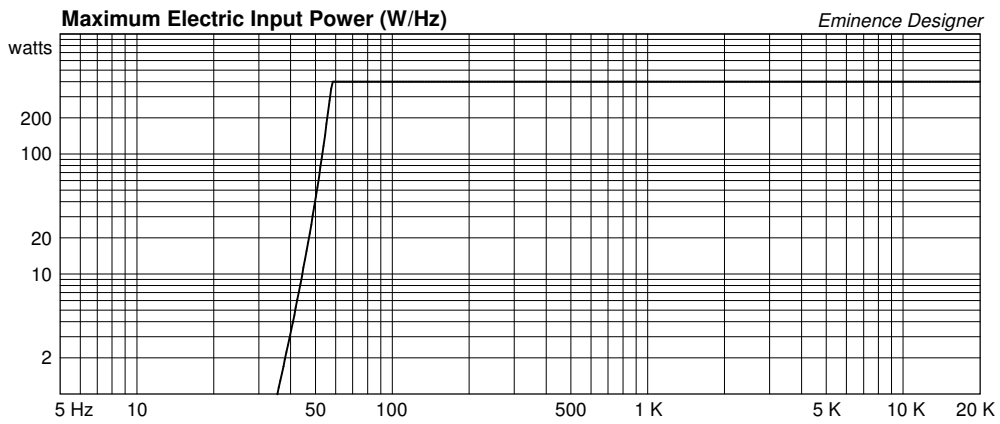
Eminence Designer

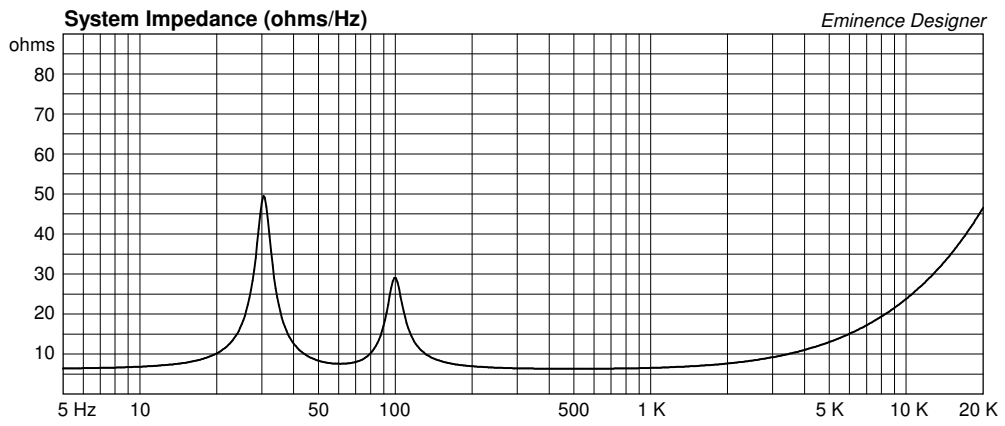


Maximum Acoustic Power (dB-SPL/Hz at 1 m)

Eminence Designer







Basslite SC10-32 Small Vented 8x10

By Anthony Lucas, Eminence Speaker
800 watts, F3 62Hz. Use full-range for bass guitar
For pro audio applications, use a steep high-pass filter at 50Hz.



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 11.8 cu.ft

V(total) = 12.78 cu.ft

Fb = 65.45 Hz

QL = 5

F3 = 62.49 Hz

Fill = minimal

--Vents--

No. of Vents = 8

Vent shape = round

Vent ends = one flush

Dv = 6 in

Lv = 2.454 in

Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 8

Mounting = Standard

Wiring = Parallel

Drivers sum coherently = Yes

--Mechanical Parameters--

Fs = 47.37 Hz

Qms = 7.1

Vas = 79.97 liters [639.8]

Cms = 0.47 mm/N [0.0588]

Mms = 23.85 g [190.8]

Rms = 1 kg/s [8]

Xmax = 4.4 mm

Xmech = 6.6 mm

P-Dia = 209.9 mm [593.7]

Sd = 350.1 sq.cm [2801]

P-Vd = 0.152 liters [1.216]

--Electrical Parameters--

Qes = 0.59

Re = 25.1 ohms [3.138]

Le = 1.46 mH [0.183]

Z = 32 ohms [4]

BL = 17.32 Tm [17.38]

Pe = 100 watts [800]

--Electromech. Parameters--

Qts = 0.55

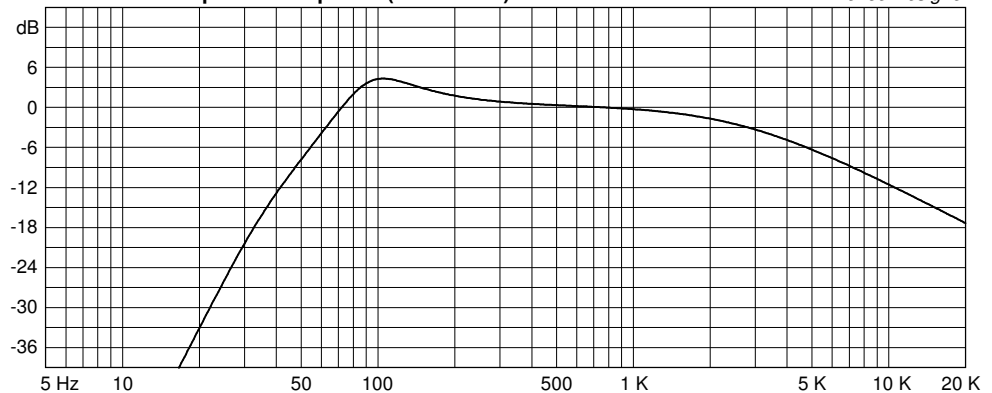
no = 1.389 % [11.11]

1-W SPL = 93.57 dB [102.6]

2.83-V SPL = 88.61 dB [106.7]

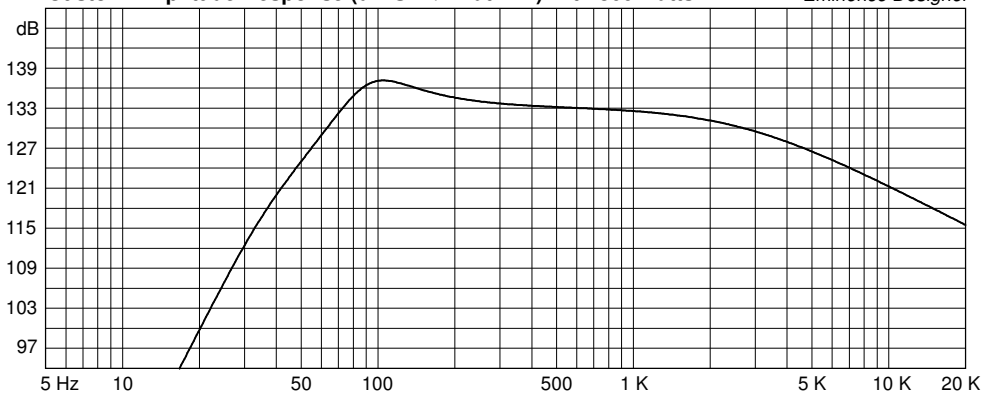
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



Custom Amplitude Response (dB-SPL/Hz at 1 m) with 800 watts

Eminence Designer



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

Eminence Designer

