

Beta12CX Small High Pwr Mid/High or Floor Monitor.

By McJerry, Eminence Speaker LLC

Displacement and thermally limited to 250 Watts. Use a 24 dB per octave high pass filter set to 150 Hz or higher. Will need some EQ to flatten out. High SPL, compact Floor Monitor.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 1.25 cu.ft

V(total) = 1.332 cu.ft

Fb = 100 Hz

QL = 7

F3 = 88.32 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 3.919 in

Lv = 0.75 in

Driver Properties

--Description--

Name: Beta-12CX - LF

Type: Two-way coaxial driver

Company: Eminence Speaker LLC

Comment: Revised Nov 2005

Piston: Paper cone.

Suspension: Cloth surround.

Dust Cap: Solid paper dust cap.

Frame: Pressed steel basket.

Voice Coil: 2 inch (50.8 mm) coated copper.

Magnet: 38 oz ferrite magnet.

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 43 Hz

Qms = 6.69

Vas = 161 liters

Xmax = 3.5 mm

Sd = 532.4 sq.cm

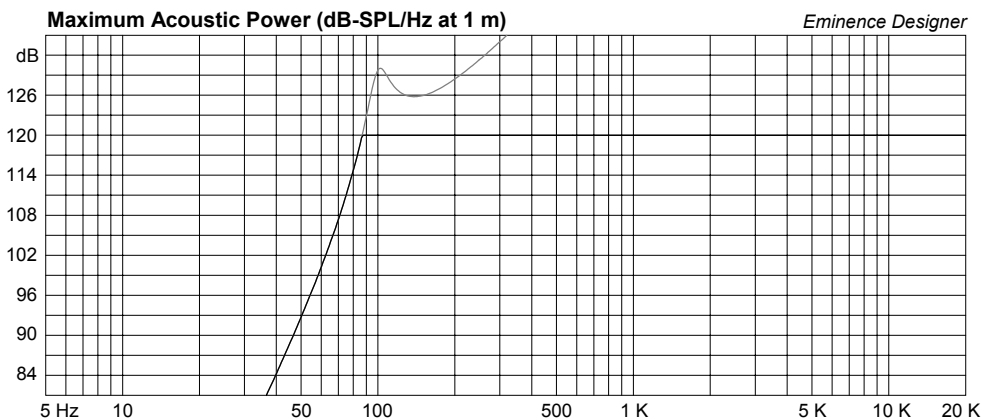
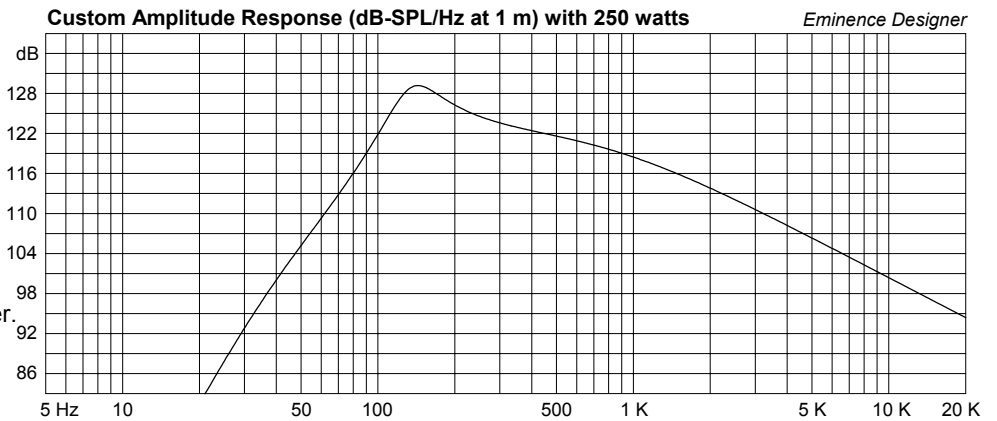
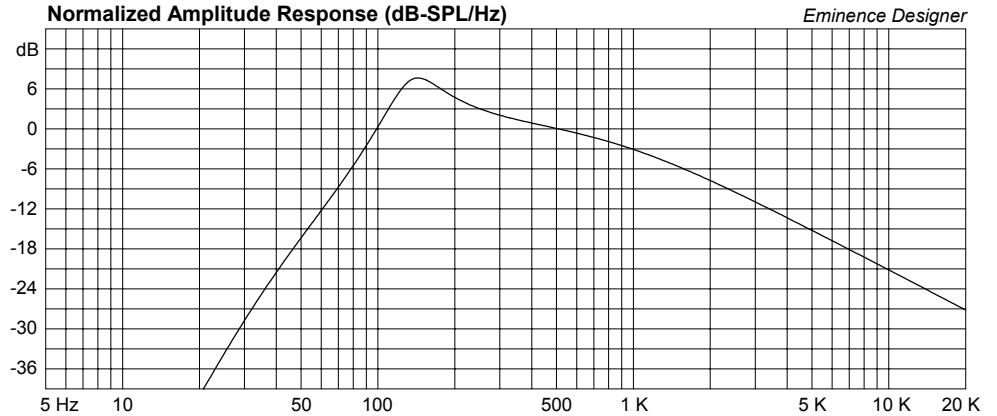
Qes = 0.51

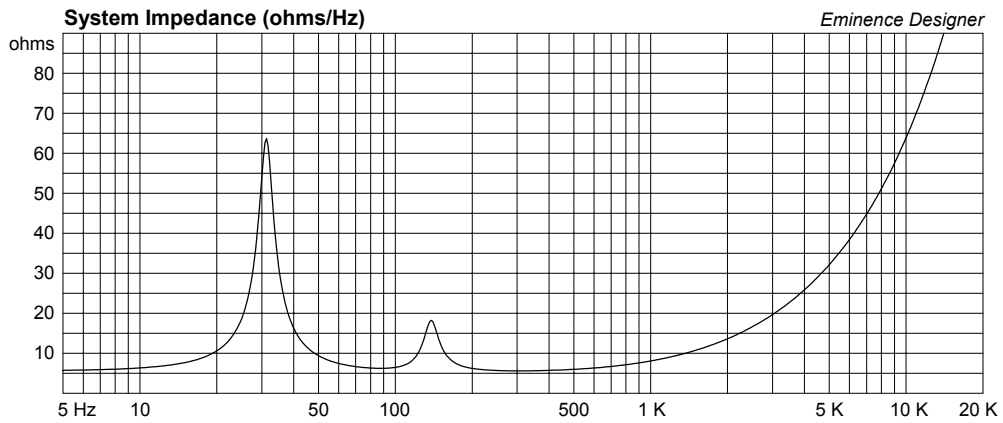
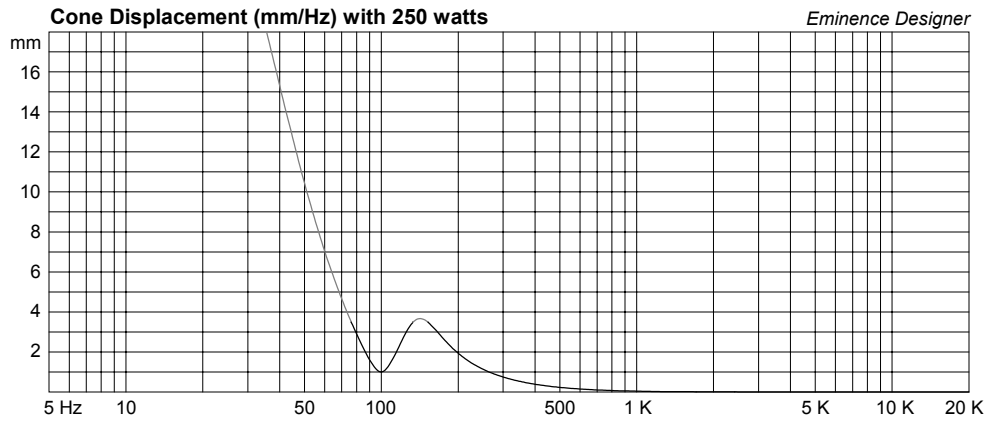
Re = 5.57 ohms

Le = 1.01 mH

Z = 8 ohms

Pe = 250 watts





Beta12CX Large Home HiFi Enclosure, For Wall or Corner Placement

By McJerry, Eminence Speaker LLC

For Low Power Use. Displacement limited to 40 Watts.

Corner load for deep bass. Great for use with small tube amps.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 3.5 cu.ft

V(total) = 3.66 cu.ft

Fb = 44.37 Hz

QL = 7

F3 = 50.49 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 5.466 in

Driver Properties

--Description--

Name: Beta-12CX - LF

Type: Two-way coaxial driver

Company: Eminence Speaker LLC

Comment: Revised Nov 2005

Piston: Paper cone.

Suspension: Cloth surround.

Dust Cap: Solid composition paper dust cap.

Frame: Pressed steel basket.

Voice Coil: 2 inch (50.8 mm) coated copper.

Magnet: 38 oz ferrite magnet.

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 43 Hz

Qms = 6.69

Vas = 161 liters

Xmax = 3.5 mm

Sd = 532.4 sq.cm

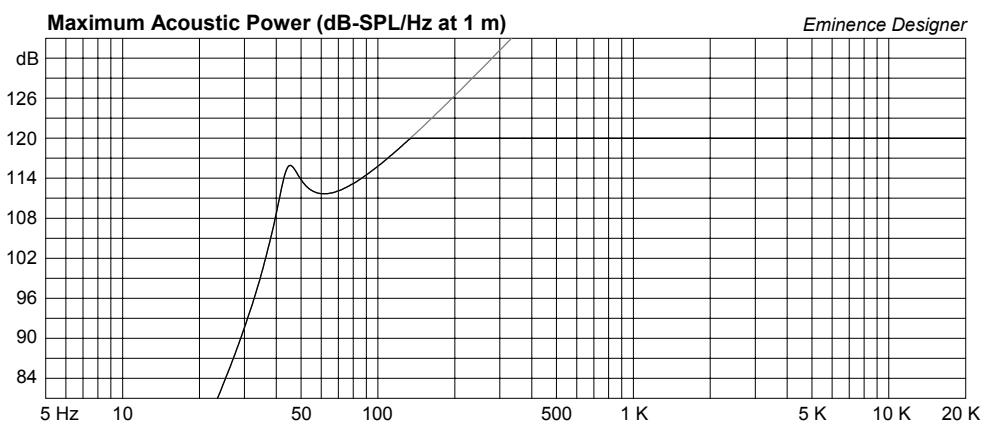
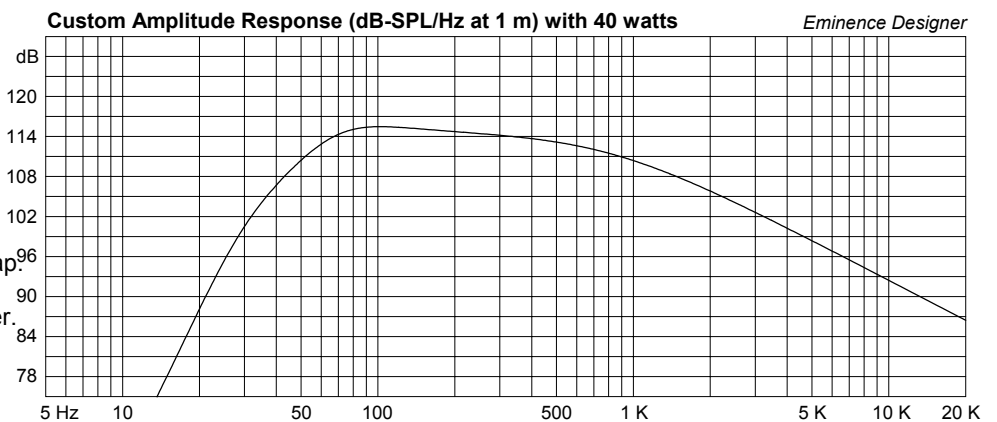
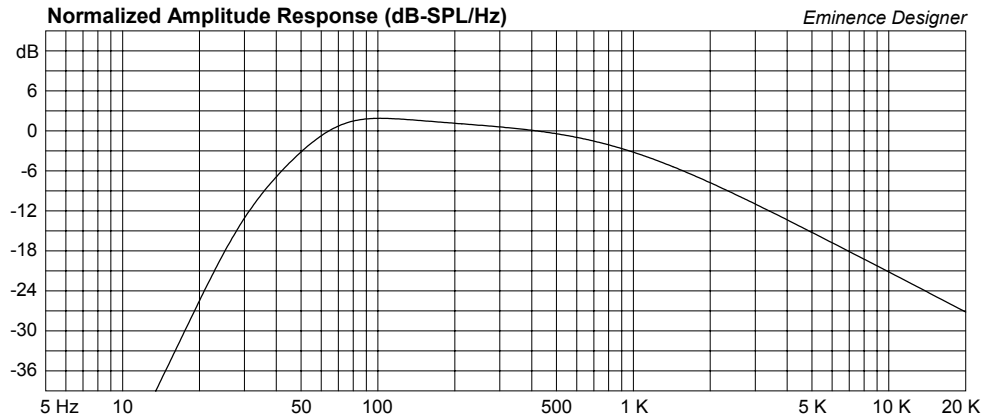
Qes = 0.51

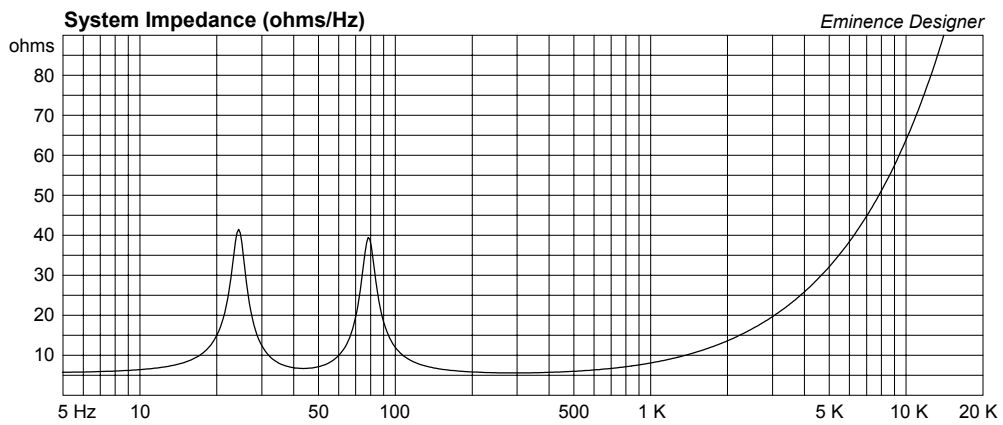
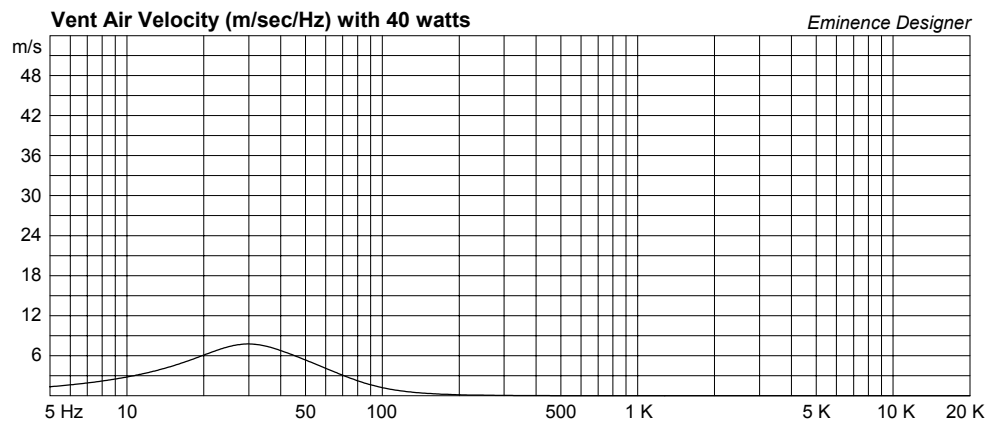
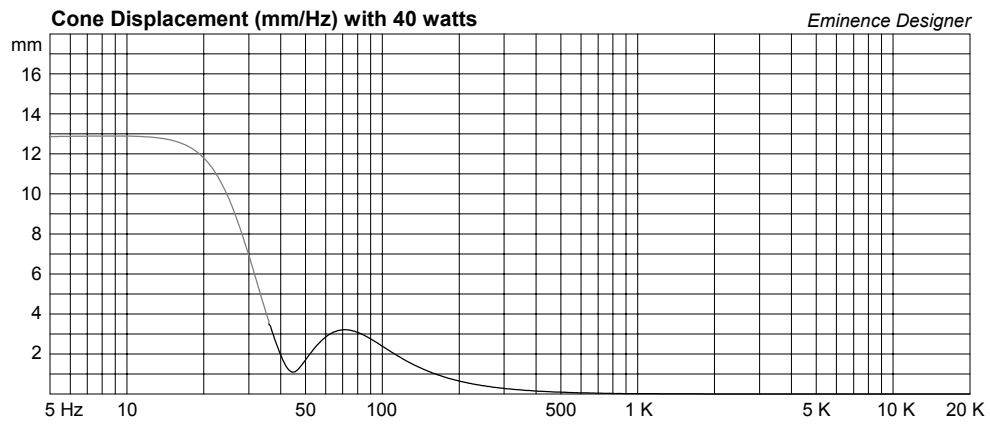
Re = 5.57 ohms

Le = 1.01 mH

Z = 8 ohms

Pe = 250 watts





Beta12CX Med Vented Cabinet

By McJerry, Eminence Speaker LLC

Displacement limited to 100 watts. Use a 24 dB per octave high pass filter set to 85 Hz or higher.

Will need some EQ to flatten peak. Will need a sub if you use it as a mid/high box.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 1.9 cu.ft

V(total) = 2.032 cu.ft

Fb = 66 Hz

QL = 7

F3 = 66.51 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

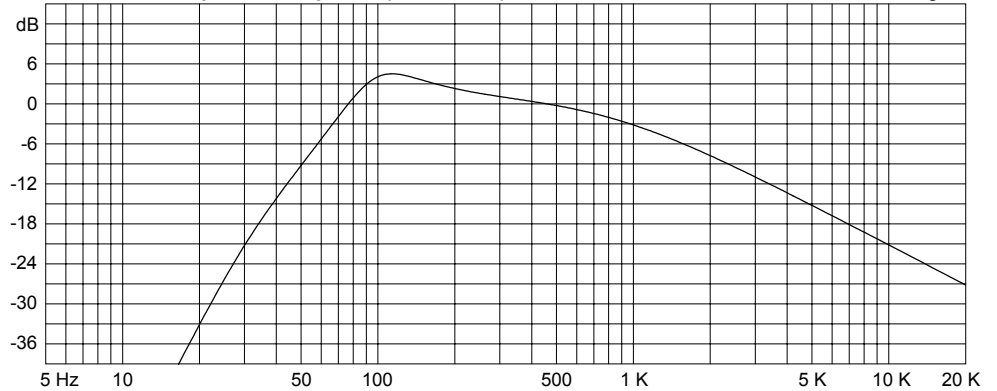
Vent ends = one flush

Dv = 4 in

Lv = 3.755 in

Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



Driver Properties

--Description--

Name: Beta-12CX - LF

Type: Two-way coaxial driver

Company: Eminence Speaker LLC

Comment: Revised NOV 2005

Piston: Paper cone.

Suspension: Cloth surround.

Dust Cap: Solid paper dust cap.

Frame: Pressed steel basket.

Voice Coil: 2 inch (50.8 mm) coated copper.

Magnet: 38 oz ferrite magnet.

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 43 Hz

Qms = 6.69

Vas = 161 liters

Xmax = 3.5 mm

Sd = 532.4 sq.cm

Qes = 0.51

Re = 5.57 ohms

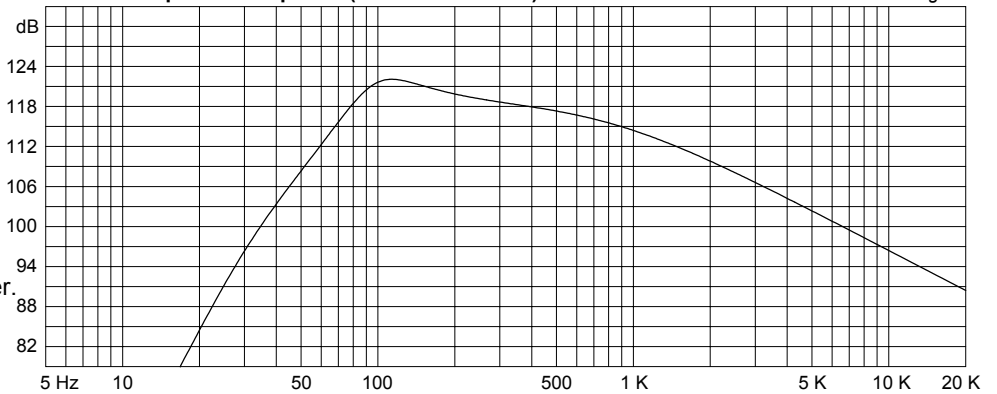
Le = 1.01 mH

Z = 8 ohms

Pe = 250 watts

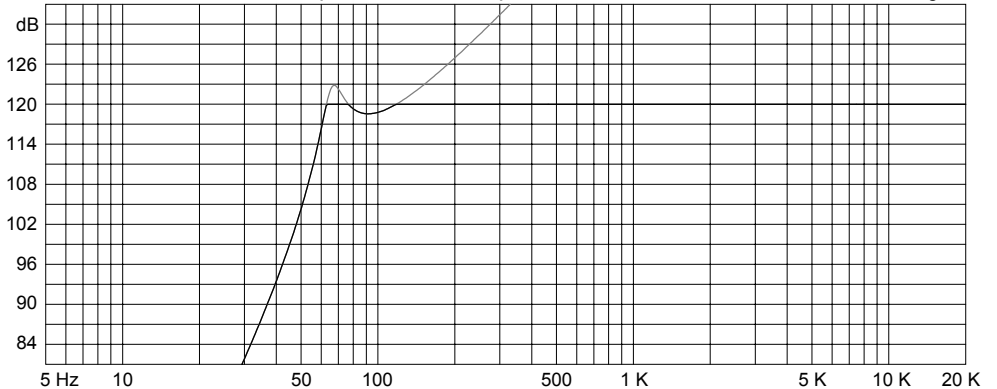
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 100 watts

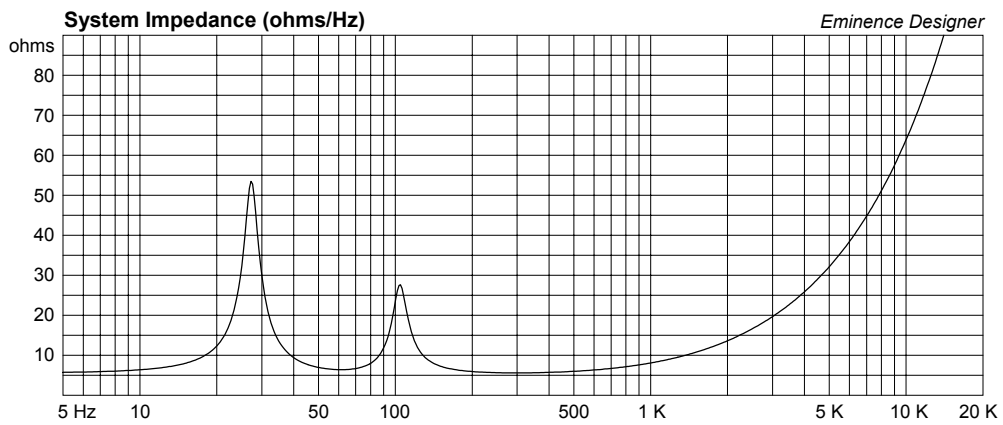
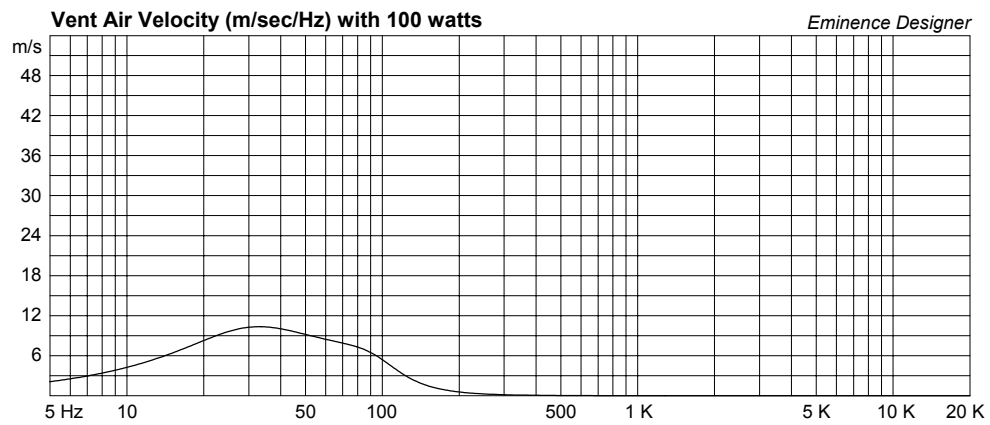
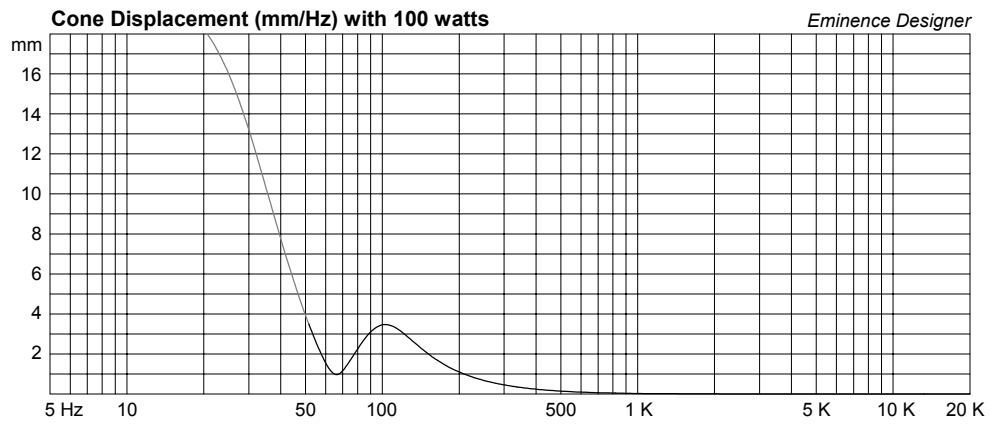
Eminence Designer



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

Eminence Designer





Beta12CX Small Sealed Enclosure

By McJerry, Eminence Speaker LLC

Displacement limited to 125 Watts. Use a 24 dB per octave high pass filter set to 100 Hz or higher.
Great floor monitor. Can be used as a mid/high box if you use a sub.

Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 1 cu.ft

V(total) = 1.071 cu.ft

Qtc = 0.893

QL = 20

F3 = 87.58 Hz

Fill = heavy

Driver Properties

--Description--

Name: Beta-12CX - LF

Type: Two-way coaxial driver

Company: Eminence Speaker LLC

Comment: Revised NOV 2005

Piston: Paper cone.

Suspension: Cloth surround.

Dust Cap: Solid paper dust cap.

Frame: Pressed steel basket.

Voice Coil: 2 inch (50.8 mm) coated copper.

Magnet: 38 oz ferrite magnet.

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 43 Hz

Qms = 6.69

Vas = 161 liters

Xmax = 3.5 mm

Sd = 532.4 sq.cm

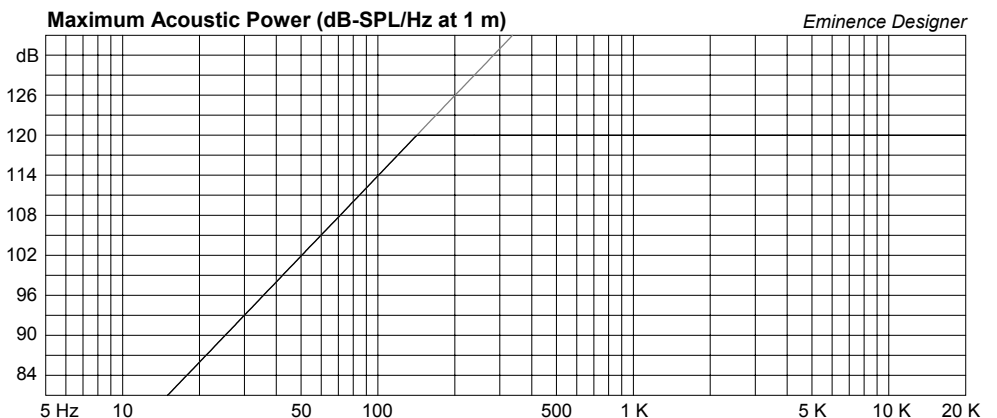
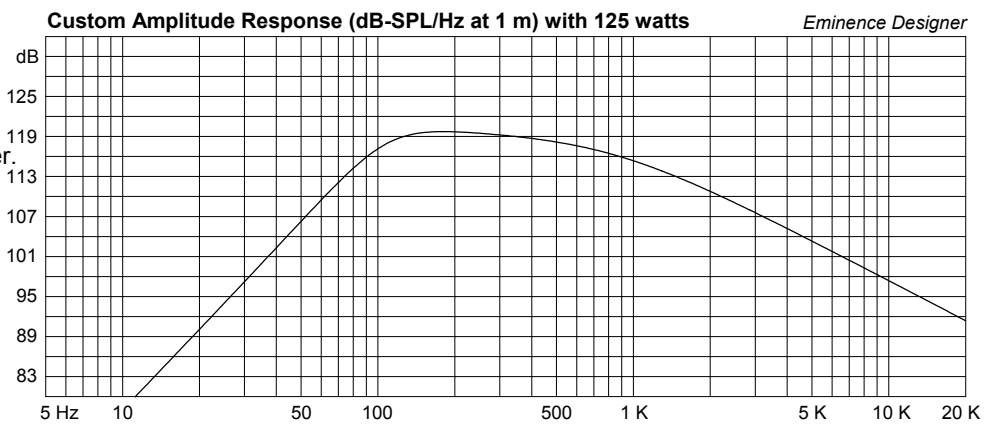
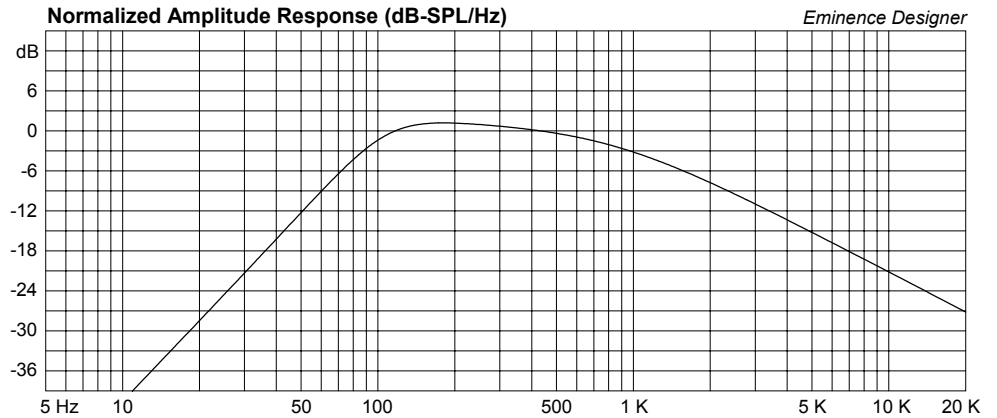
Qes = 0.51

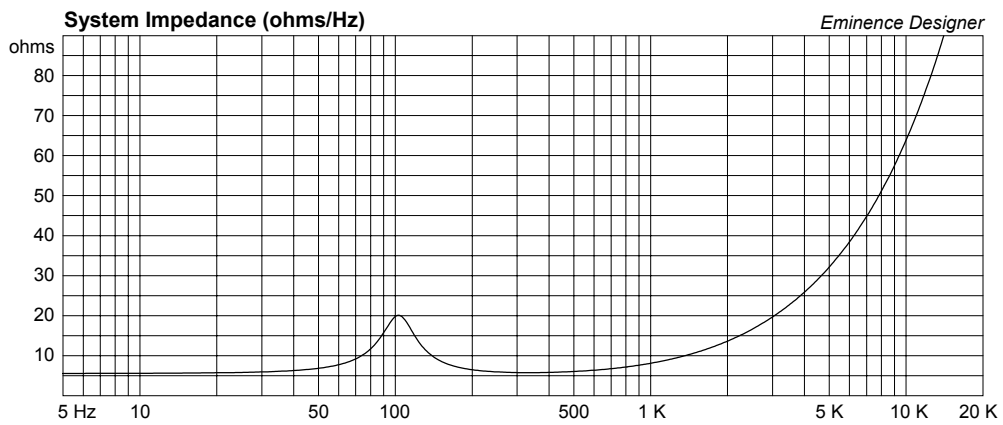
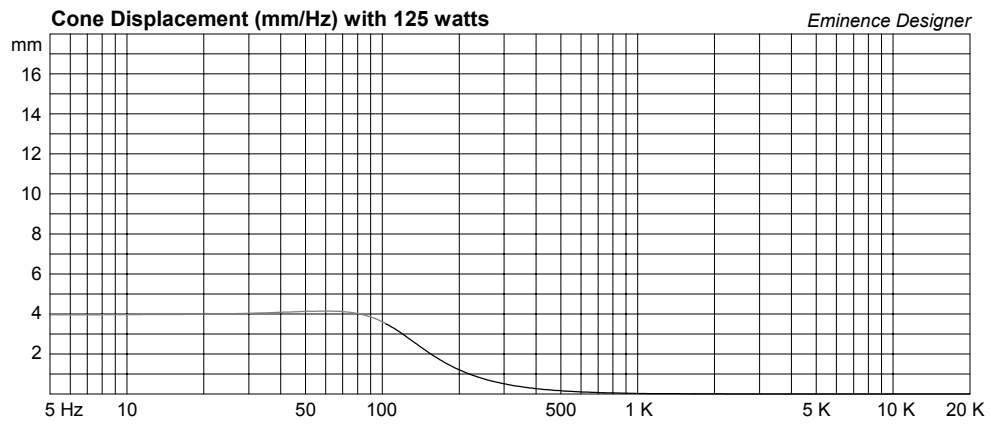
Re = 5.57 ohms

Le = 1.01 mH

Z = 8 ohms

Pe = 250 watts





Beta12CX Med Vented Cabinet

By McJerry, Eminence Speaker LLC

Displacement limited to 100 watts. Use a 24 dB per octave high pass filter set to 85 Hz or higher.

Will need some EQ to flatten peak.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 1.9 cu.ft

V(total) = 2.032 cu.ft

Fb = 66 Hz

QL = 7

F3 = 66.51 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 3.755 in

Driver Properties

--Description--

Name: Beta-12CX - LF

Type: Two-way coaxial driver

Company: Eminence Speaker LLC

Comment: Revised NOV 2005

Piston: Paper cone.

Suspension: Cloth surround.

Dust Cap: Solid paper dust cap.

Frame: Pressed steel basket.

Voice Coil: 2 inch (50.8 mm) coated copper.

Magnet: 38 oz ferrite magnet.

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 43 Hz

Qms = 6.69

Vas = 161 liters

Xmax = 3.5 mm

Sd = 532.4 sq.cm

Qes = 0.51

Re = 5.57 ohms

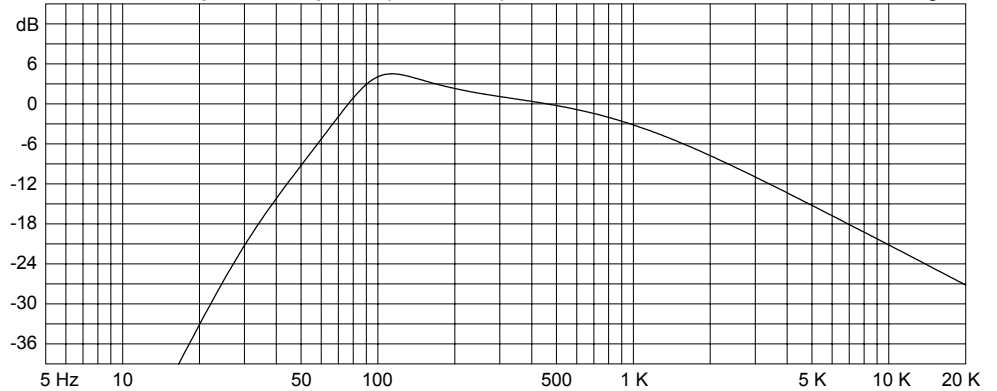
Le = 1.01 mH

Z = 8 ohms

Pe = 250 watts

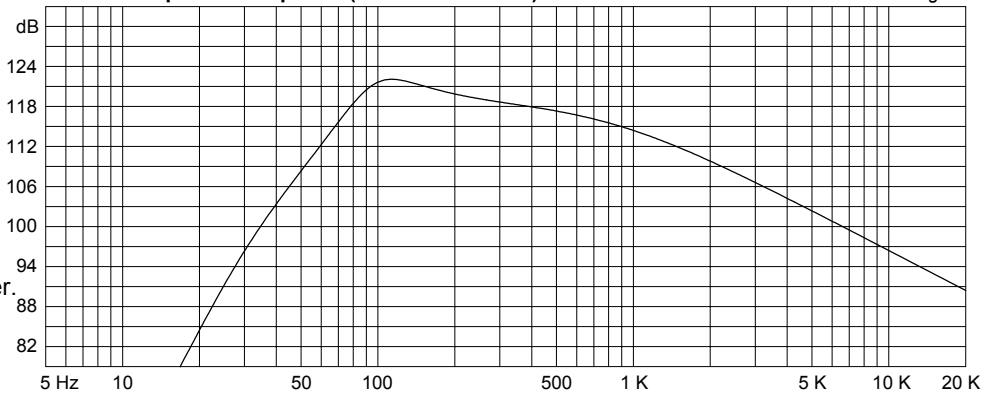
Normalized Amplitude Response (dB-SPL/Hz)

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

