

Beta12LTA Sealed Monitor Cabinet or for Vocal PA

By McJerry, Eminence Speaker LLC

Displacement Limited to 100 Watts; use a 100 Hz high pass filter.

Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 1.75 cu.ft

V(total) = 1.821 cu.ft

Qtc = 0.748

QL = 17.61

F3 = 78.46 Hz

Fill = heavy

Driver Properties

--Description--

Name: Beta-12LT

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised Nov 2005

Piston: Paper cone with whizzer cone.

Suspension: Cloth surround.

Dust Cap: Solid paper dust cap w/whizzer.

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 = 45 Hz

Qms = 6.44

Vas = 136.3 liters

Xmax = 3.2 mm

Sd = 532.4 sq.cm

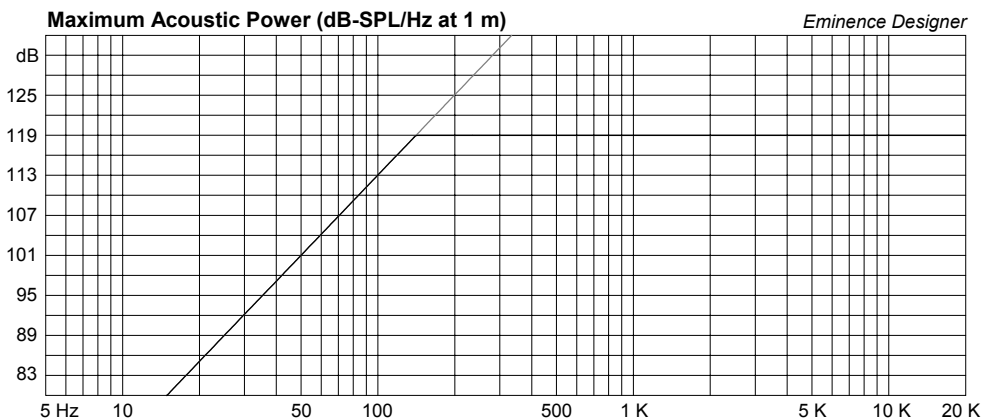
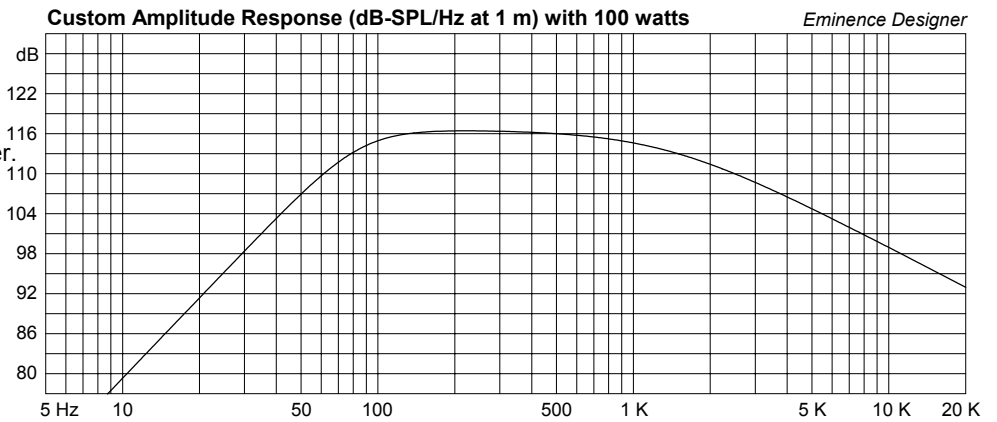
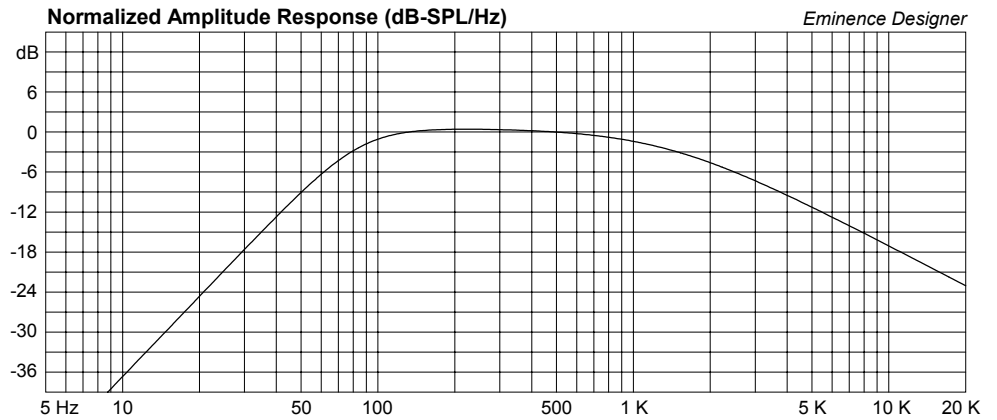
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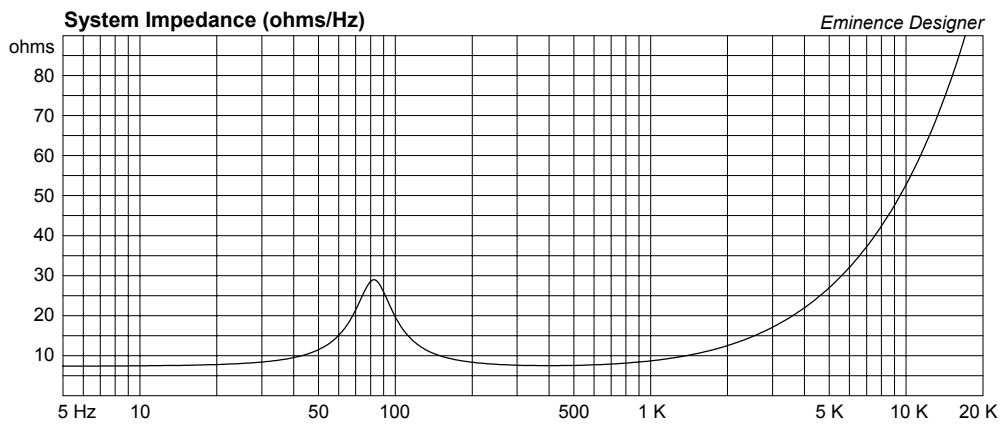
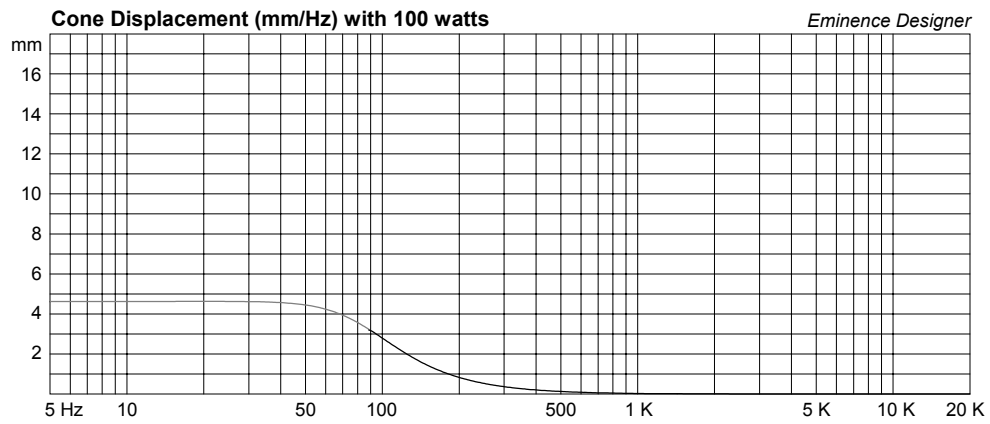
Re = 7.37 ohms

Le = 0.83 mH

Z = 8 ohms

Pe = 225 watts





Beta12LTA Larger Vented Cab; Low Pwr FR PA or Monitor

By McJerry, Eminence Speaker LLC

Displacement Limited to 45 Watts; F3 of 48 Hz. Use a steep high pass filter set to 30 Hz.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 4 cu.ft

V(total) = 4.096 cu.ft

Fb = 40 Hz

QL = 7

F3 = 47.51 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 3 in

Lv = 2.624 in

Driver Properties

--Description--

Name: Beta-12LT

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised Nov 2005

Piston: Paper cone with whizzer cone.

Suspension: Cloth surround.

Dust Cap: Solid paper dust cap w/whizzer.

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 = 45 Hz

Qms = 6.44

Vas = 136.3 liters

Xmax = 3.2 mm

Sd = 532.4 sq.cm

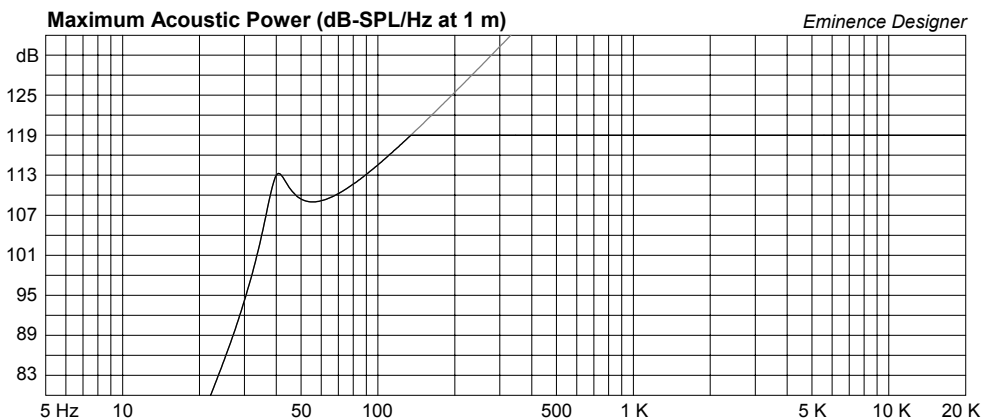
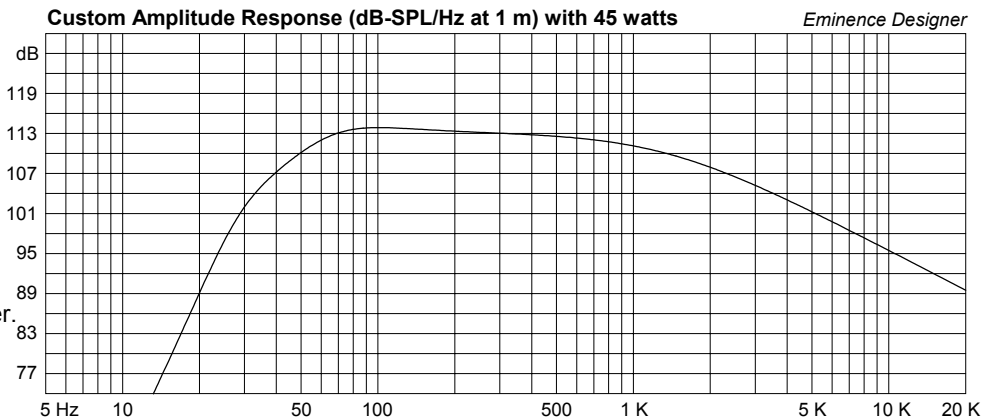
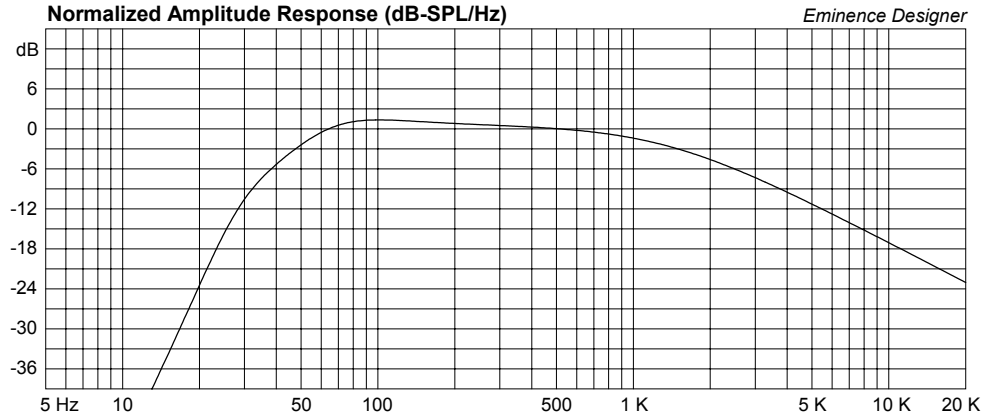
Qes = 0.55

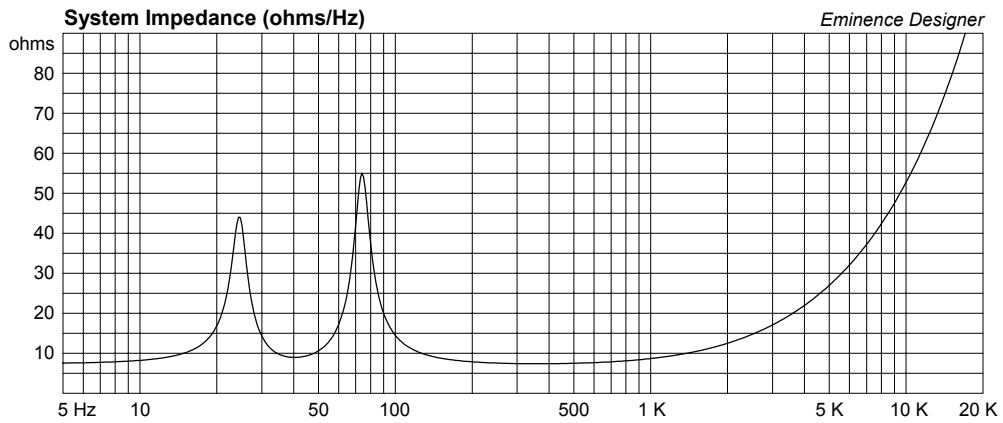
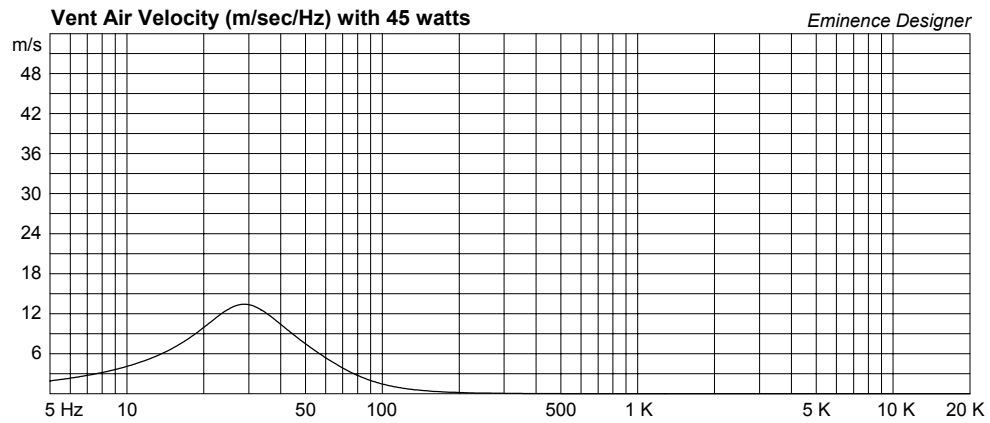
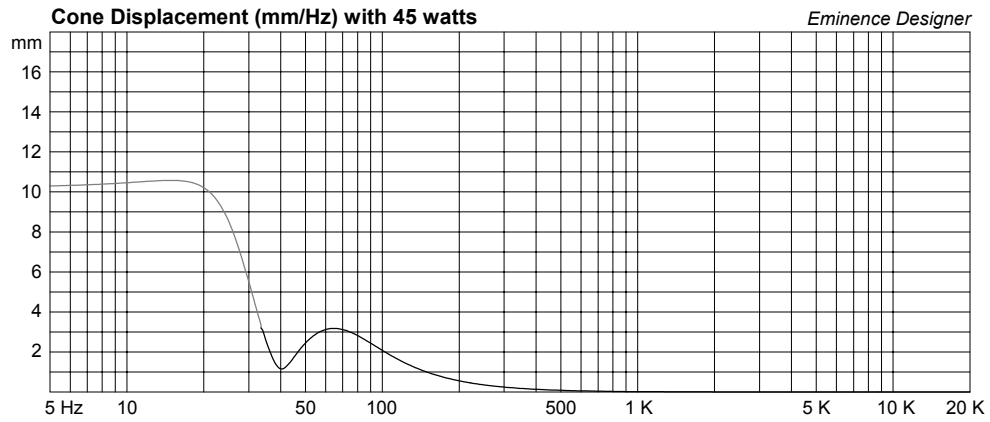
Re = 7.37 ohms

Le = 0.83 mH

Z = 8 ohms

Pe = 225 watts





Beta12LTA Med Vented Cab; Semi Full Range PA or Monitor

By McJerry, Eminence Speaker LLC

Displacement Limited to 100 Watts; F3 of 62 Hz. Use a steep high pass filter set to 50 Hz.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 2.029 cu.ft

V(total) = 2.116 cu.ft

Fb = 61.1 Hz

QL = 7

F3 = 62.48 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 3 in

Lv = 1.665 in

Driver Properties

--Description--

Name: Beta-12LT

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised Nov 2005

Piston: Paper cone with whizzer cone.

Suspension: Cloth surround.

Dust Cap: Solid paper dust cap w/whizzer.

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 = 45 Hz

Qms = 6.44

Vas = 136.3 liters

Xmax = 3.2 mm

Sd = 532.4 sq.cm

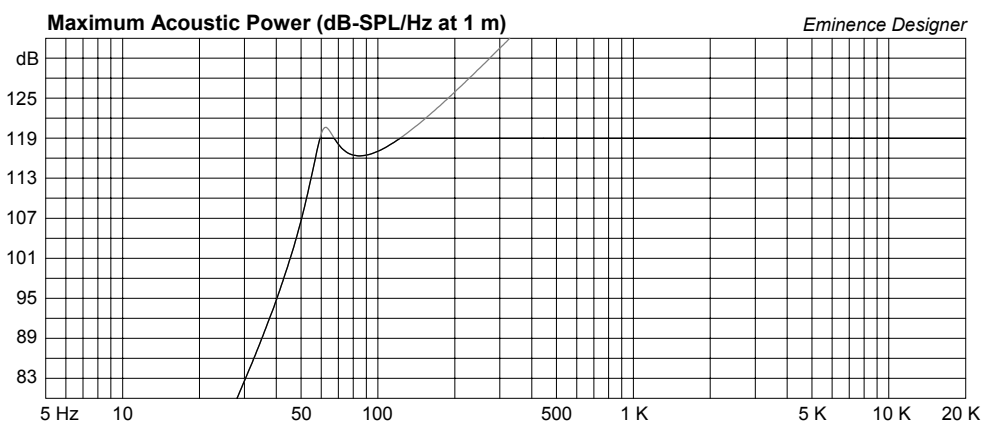
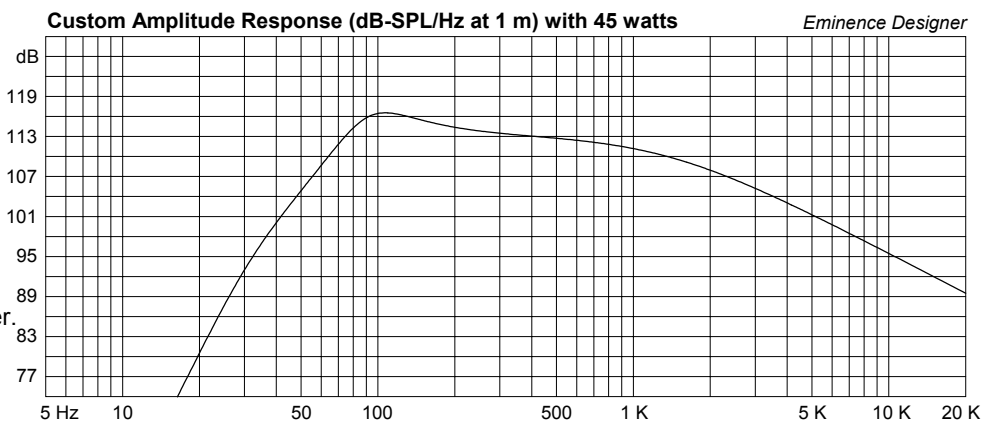
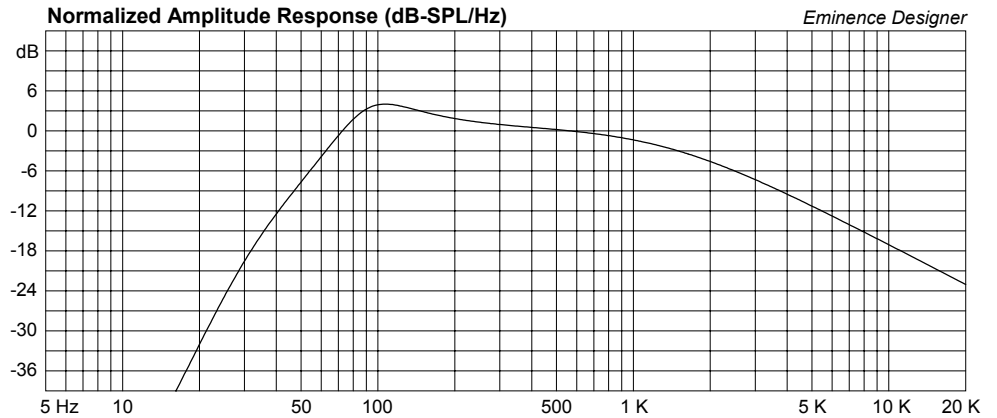
Qes = 0.55

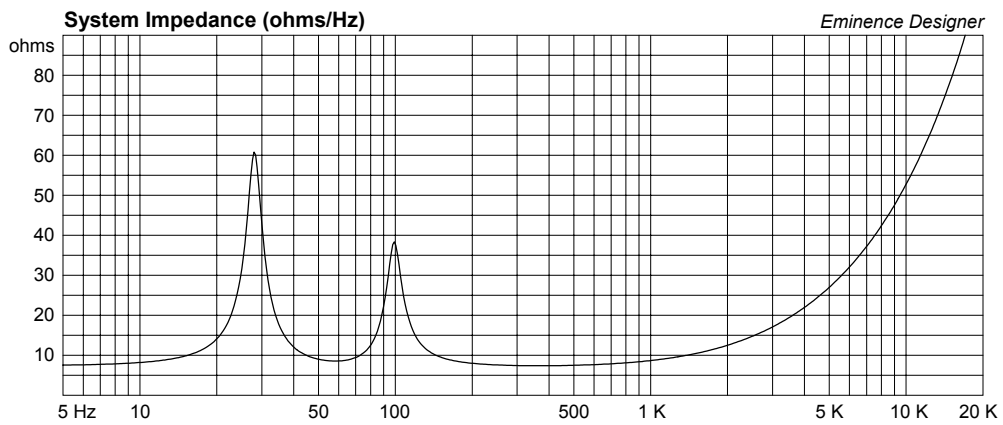
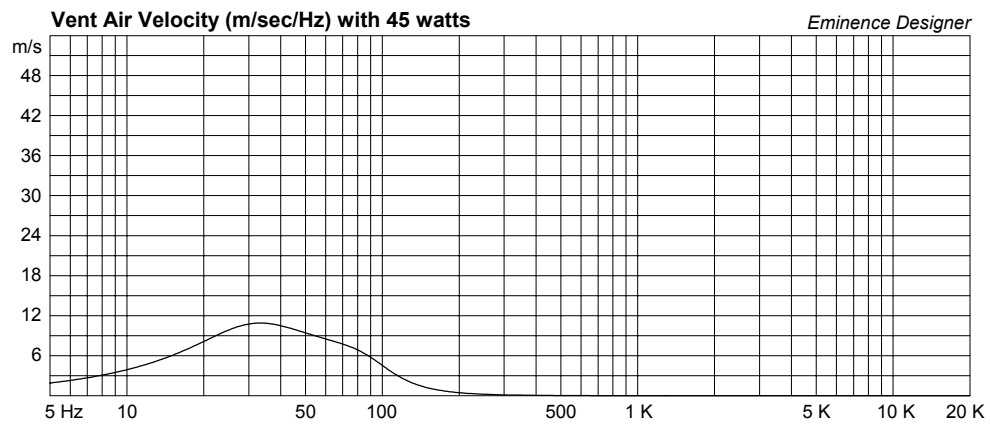
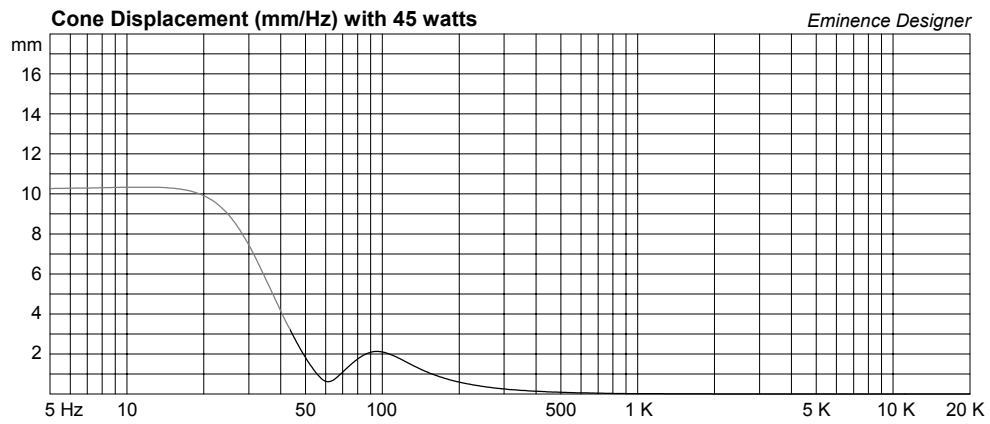
Re = 7.37 ohms

Le = 0.83 mH

Z = 8 ohms

Pe = 225 watts





Beta12LTA Small Sealed Cab; Vocal Monitor

By McJerry, Eminence Speaker LLC

Limited to 150 Watts; use a steep high pass filter at 150 Hz. Not for Full Range Use.

Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 0.457 cu.ft

V(total) = 0.528 cu.ft

Qtc = 1.14

QL = 20

F3 = 107.6 Hz

Fill = heavy

Driver Properties

--Description--

Name: Beta-12LT

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised Nov 2005

Piston: Paper cone with whizzer cone.

Suspension: Cloth surround.

Dust Cap: Solid paper dust cap w/whizzer.

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 = 45 Hz

Qms = 6.44

Vas = 136.3 liters

Xmax = 3.2 mm

Sd = 532.4 sq.cm

Qes = 0.55

Re = 7.37 ohms

Le = 0.83 mH

Z = 8 ohms

Pe = 225 watts

