

# Beta12A-2 Twin Loaded BandPass Sub

By Jerry McNutt, Eminence Speaker LLC

Great Compliment to Beta12A-2 Small Sealed Box for Portable PA System

Displacement Limited to 100 watts.

## Box Properties

--Description--

Name:

Type: Bandpass Single-Tuned Box

Shape: Prism, Bandpass with two chambers

--Box Parameters--

Chamber 1 - lower-frequency

Vb = 2.75 cu.ft

V(total) = 2.973 cu.ft

Fb = 94.58 Hz

QL = 7

F3 = 57.38 Hz

Fill = minimal

Chamber 2 - upper-frequency

Vb = 2.917 cu.ft

V(total) = 2.873 cu.ft

Fb = 90 Hz

QL = 7

F3 = 142.5 Hz

Fill = minimal

--Vents--

No. of Vents = 1

Vent shape = round

Vent ends = one flush

Dv = 12 in

Lv = 1.418 in

## Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 2

Mounting = Standard, Push-pull

Wiring = Parallel

Drivers sum coherently = Yes

--Driver Parameters--

Fs = 46.8 Hz

Qms = 6

Vas = 120.1 liters [240.2]

Xmax = 4.4 mm

Sd = 538.9 sq.cm [1024]

Qes = 0.5

Re = 5 ohms [2.5]

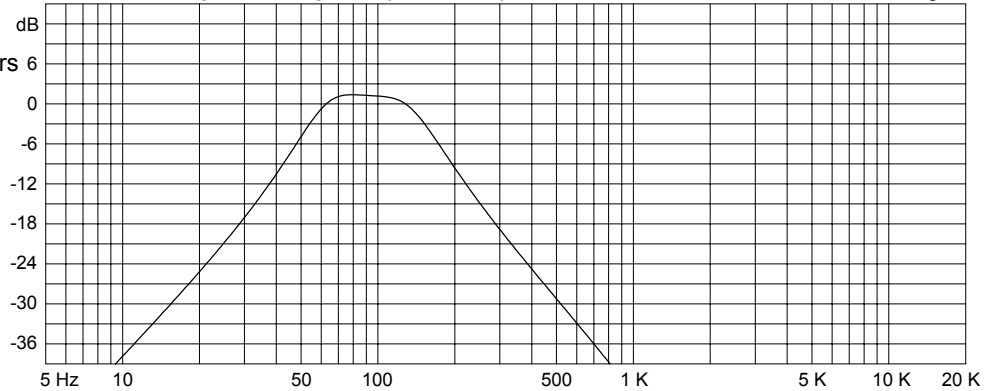
Le = 0.64 mH [0.32]

Z = 8 ohms [4]

Pe = 250 watts [500]

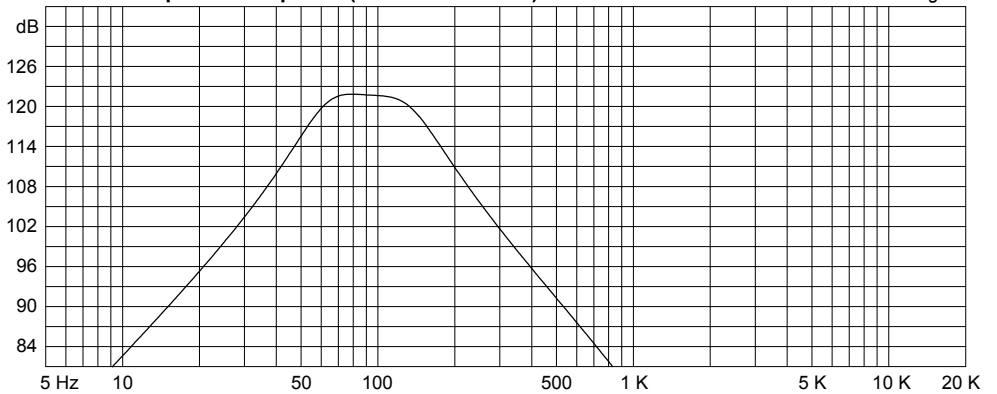
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



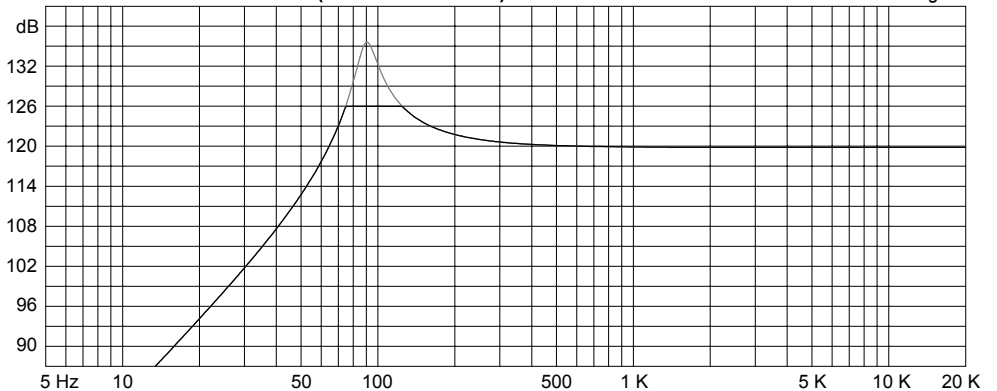
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 100 watts

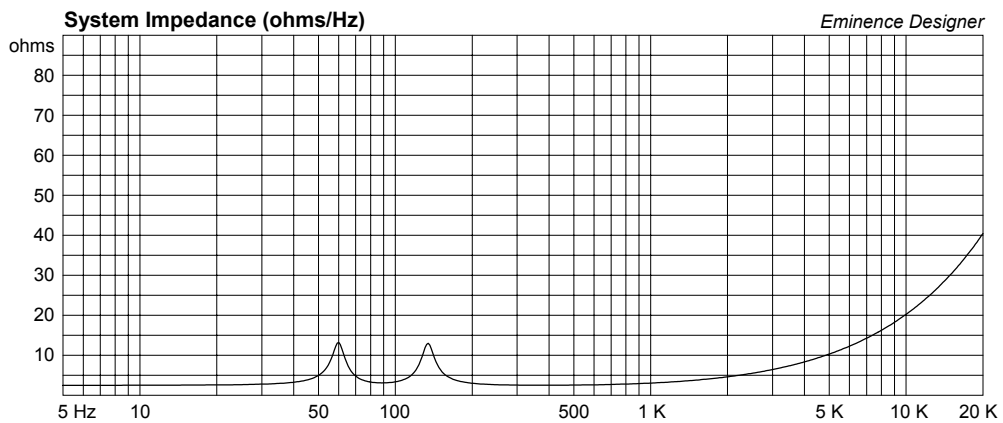
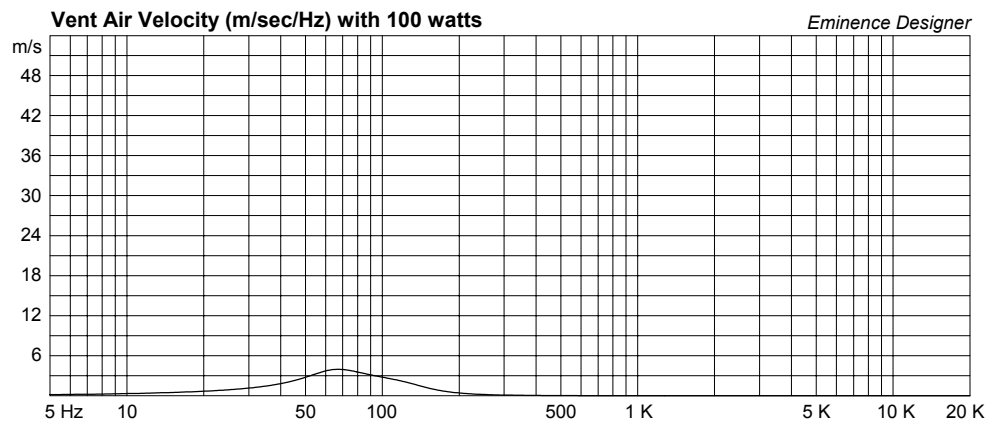
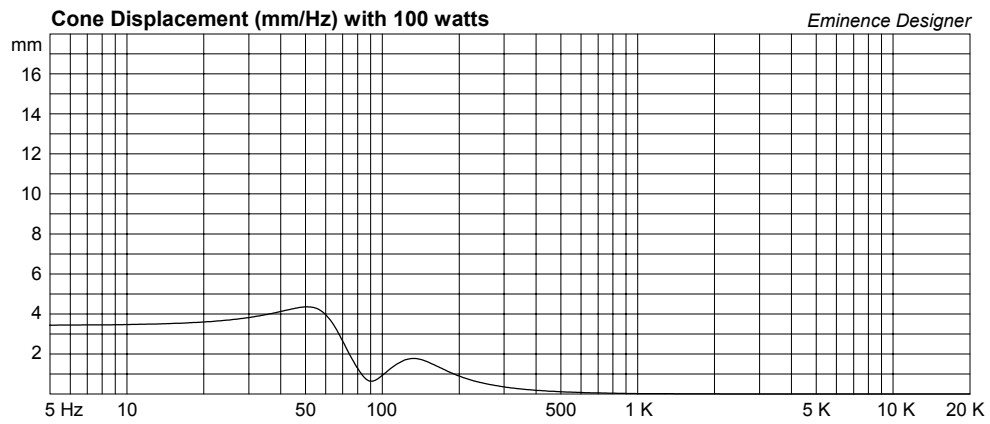
Eminence Designer



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

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# Beta12A-2 Bass 1x12 Bass Guitar Cabinet

By Jerry McNutt, Eminence Speaker LLC

Great For Bass Guitar. Displacement Limited to 150 Watts.

Small Vented Cabinet.

## Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 1.75 cu.ft

V(total) = 1.894 cu.ft

Fb = 54.15 Hz

QL = 7

F3 = 64.18 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 3 in

Lv = 4.154 in

## Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 46.8 Hz

Qms = 6

Vas = 120.1 liters

Xmax = 4.4 mm

Sd = 538.9 sq.cm

Qes = 0.5

Re = 5 ohms

Le = 0.64 mH

Z = 8 ohms

Pe = 250 watts

