

Custom Enclosure Design

by Kevin Garrett bandpass E-12LF

JBL

Loudspeaker Parameters

--General Information--

Company: P audio

Model: E-12LF

Note/SN:

--Mechanical Parameters--

Fs = 37,0 hertz

Qms = 6,100

Vas = 72,63 liters

Cms = 0,169 mm/N

Mms = 98,320 grams

Rms = 4,171 kg/sec

Xmax = 7,500 mm

Sd = 550,0 sq.cm

Dia = 26,5 cm

--Electrical Parameters--

Qes = 0,410

Re = 6,0 ohms

Le = 1,1 mH

Z = 8,0 ohms

BL = 18,5 N/A

Pe = 800,0 watts

--Combination Parameters--

Qts = 0,380

η_0 = 1,905%

Sens = 95,00 dB (1 watt)

--Multiple Drivers--

Number = 1

Single

Wiring: single

NetZ =

NetRe =

NetSens =

Box Parameters

Band-Pass Vented Box

Fill = minimal

--Rear chamber--

Vb1 = 65,00 liters

Fb = 40,0 hertz

F3 = 38,8 hertz

Ports = 1

Dv = 10,40 cm

Lv = 14,67 cm

--Front chamber--

Vb2 = 12,00 liters

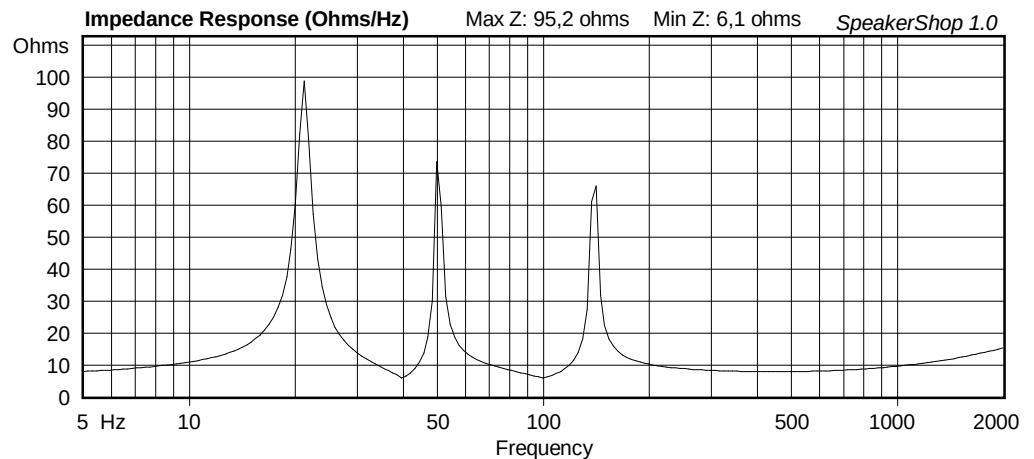
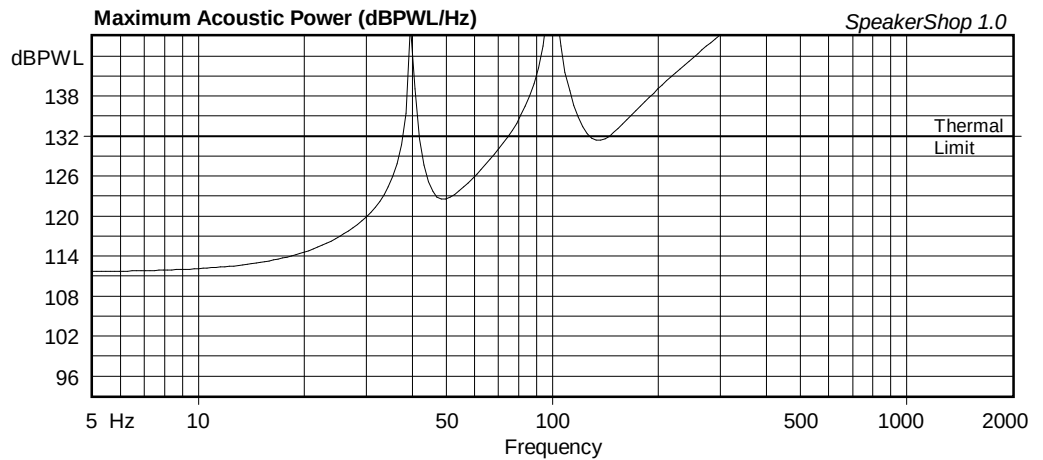
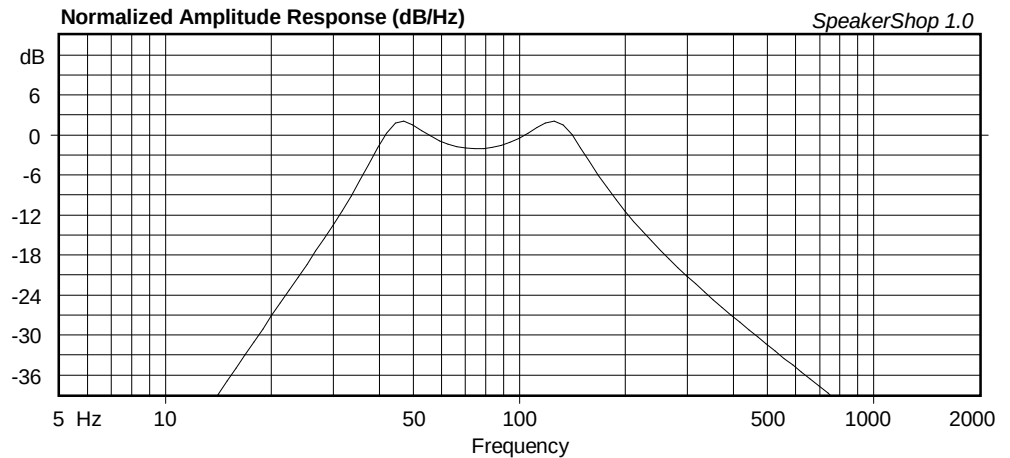
Fb = 100,0 hertz

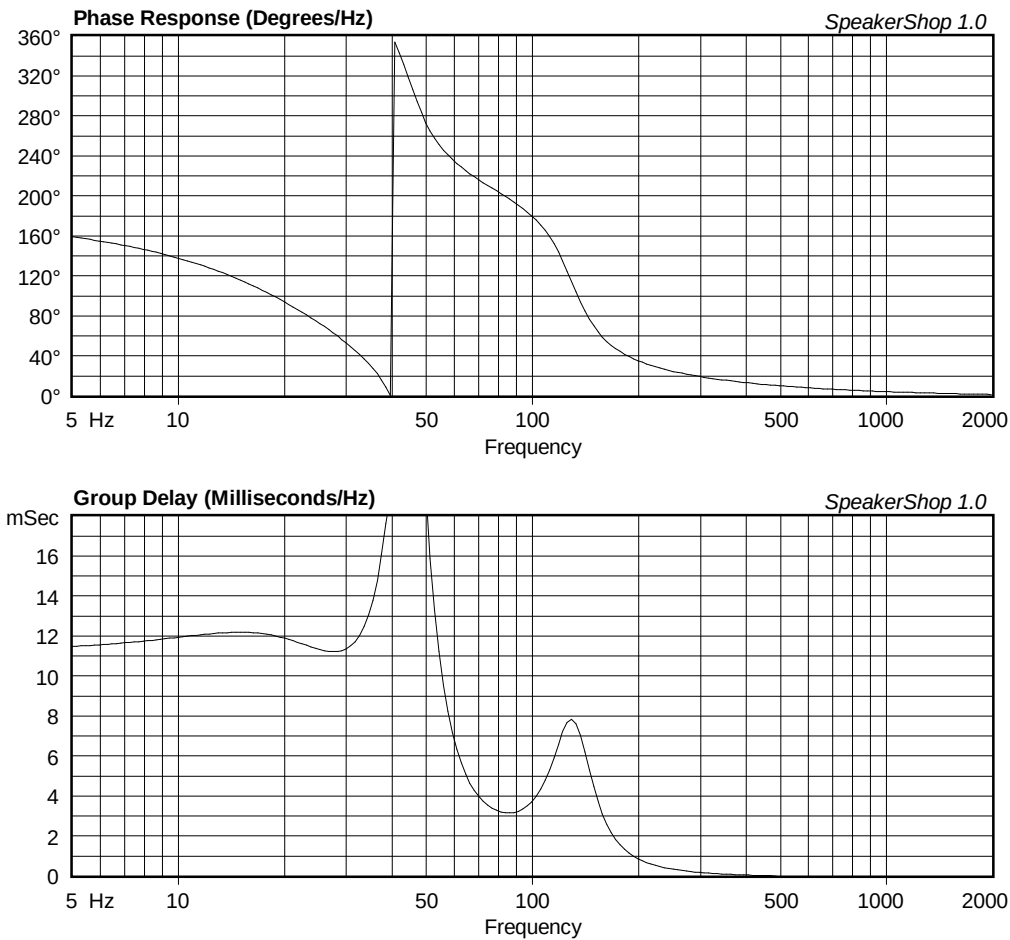
F3 = 153,8 hertz

Ports = 1

Dv = 10,40 cm

Lv = 11,32 cm





Internal Box Dimensions

Caution: The box volume (Vbox) which results from the following dimensions does not equal the volume (Vb or Vc) required for this design.

Vbox1 = 65,54 liters
Vbox2 = 15,36 liters

--1--
Vol1 = 65,54 liters
Vol2 = 15,36 liters
Shape: Band-Pass Prism
h = 32,00 cm
w1 = 64,00 cm
w2 = 15,00 cm
d1 = 32,00 cm
d2 = 32,00 cm
x = 32,00 cm

