

Custom Enclosure Design

by Kevin Garrett Optimum vented box 70lit P.AUDIO E-15LF

JBL

Loudspeaker Parameters

--General Information--

Company: P.AUDIO

Model: E-15LF

Note/SN:

--Mechanical Parameters--

Fs = 50,0 hertz

Qms = 5,290

Vas = 92,17 liters

Cms = 0,090 mm/N

Mms = 111,590 grams

Rms = 6,699 kg/sec

Xmax = 6,000 mm

Sd = 850,0 sq.cm

Dia = 32,9 cm

--Electrical Parameters--

Qes = 0,450

Re = 6,1 ohms

Le = 0,8 mH

Z = 8,0 ohms

BL = 21,8 N/A

Pe = 800,0 watts

--Combination Parameters--

Qts = 0,420

η_0 = 2,399%

Sens = 96,00 dB (1 watt)

--Multiple Drivers--

Number = 1

Single

Wiring: single

NetZ =

NetRe =

NetSens =

Box Parameters

Optimum Vented Box

Vb = 85,43 liters

Fb = 45,8 hertz

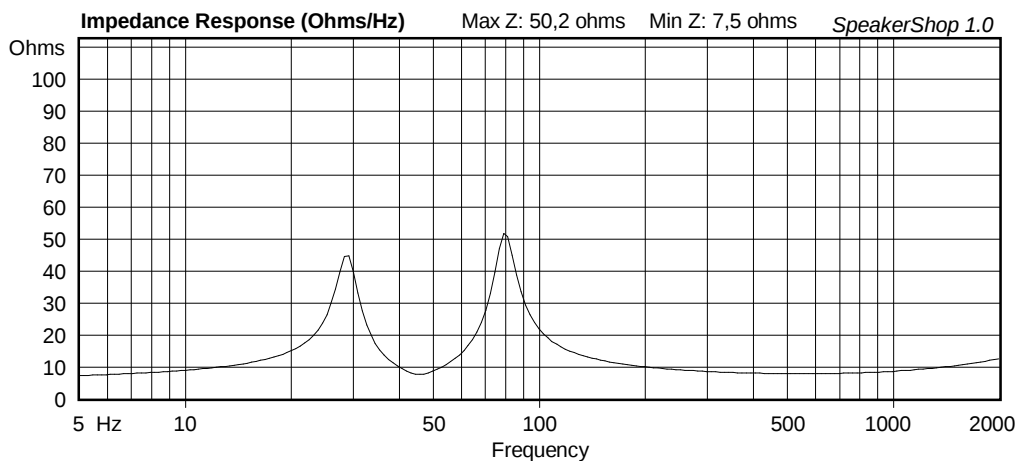
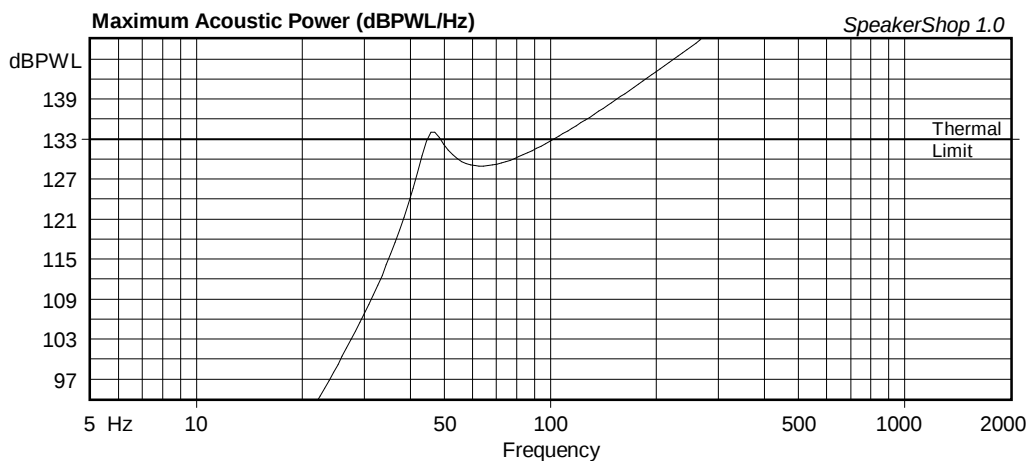
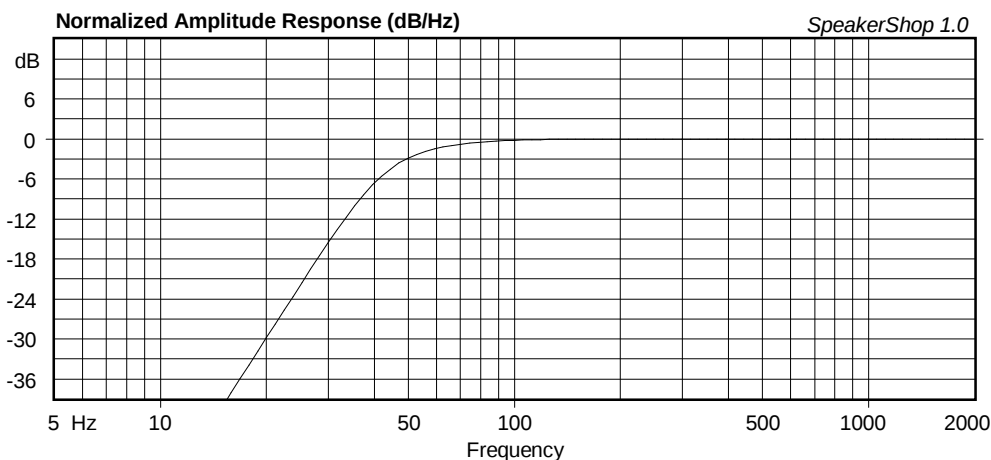
F3 = 49,5 hertz

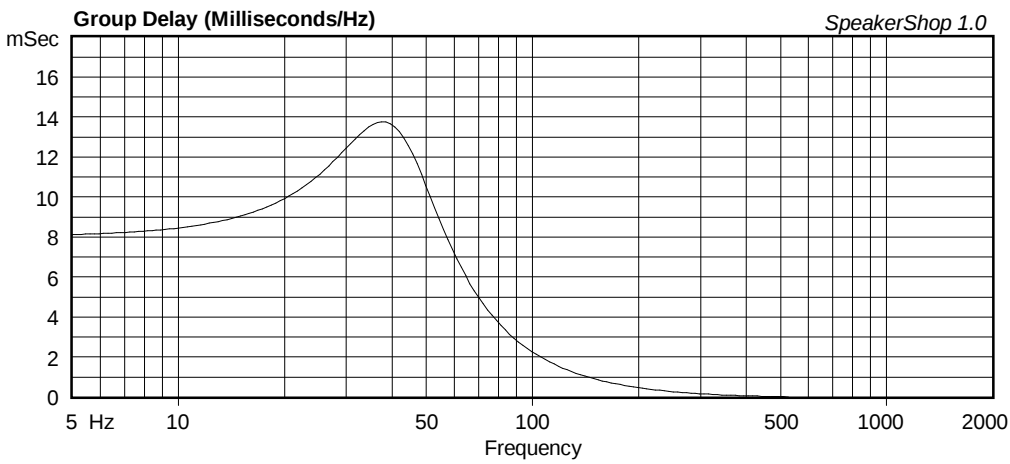
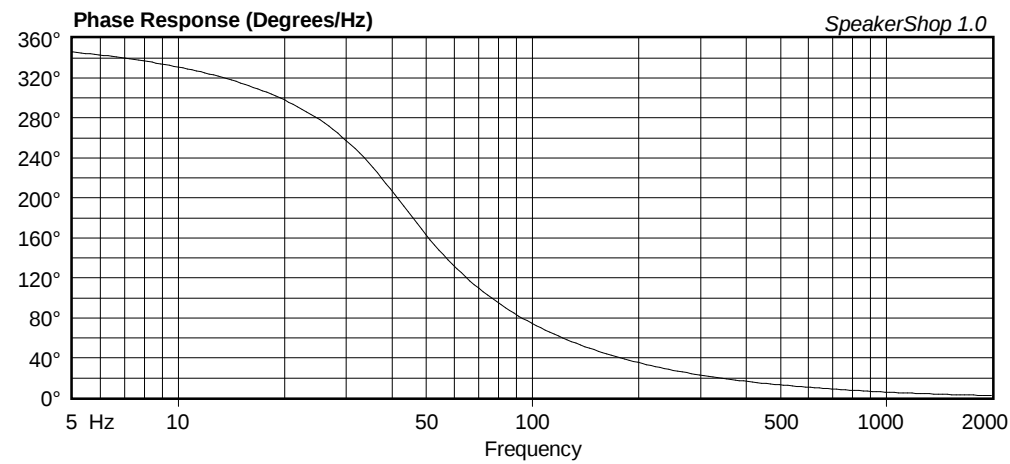
Fill = minimal

Ports = 2

Dv = 10,40 cm

Lv = 16,77 cm





Internal Box Dimensions

--Optimum vent--
Vol = 85,43 liters
Shape: Cube
s = 44,04 cm

