

# Custom Enclosure Design

by Kevin Garrett Custom vented box 70lit P.AUDIO E-12LF



## 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

$\eta_0$  = 1,905%

Sens = 95,00 dB (1 watt)

--Multiple Drivers--

Number = 1

Single

Wiring: single

NetZ =

NetRe =

NetSens =

## Box Parameters

Custom Vented Box

Vb = 70,00 liters

Fb = 33,7 hertz

F3 = 36,8 hertz

QL = 7,0

Fill = minimal

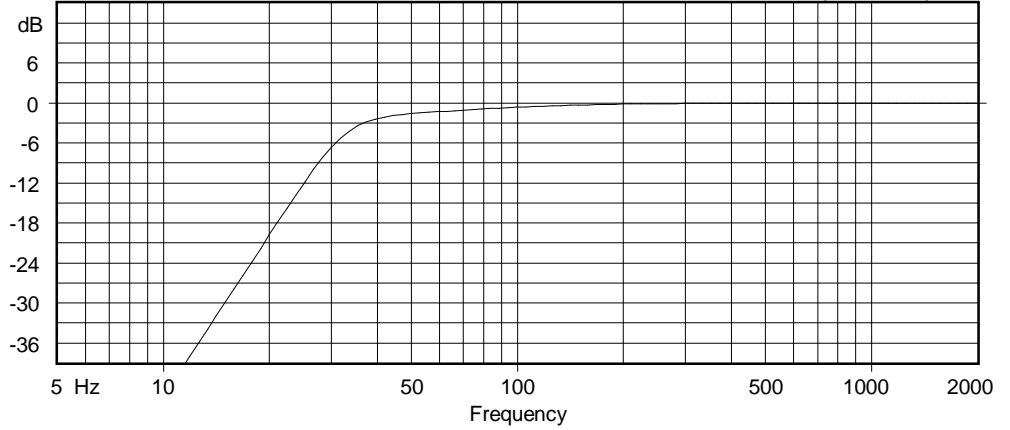
Ports = 1

Dv = 10,40 cm

Lv = 22,36 cm

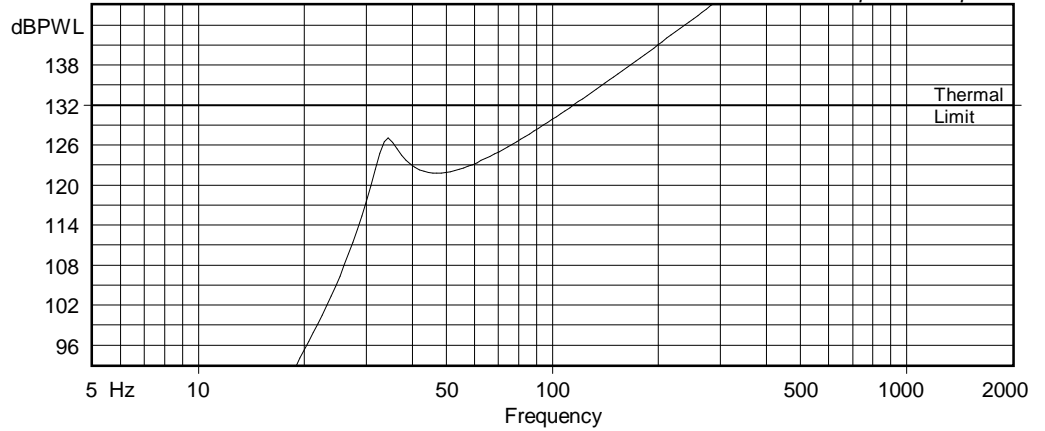
Normalized Amplitude Response (dB/Hz)

SpeakerShop 1.0



Maximum Acoustic Power (dBPWL/Hz)

SpeakerShop 1.0

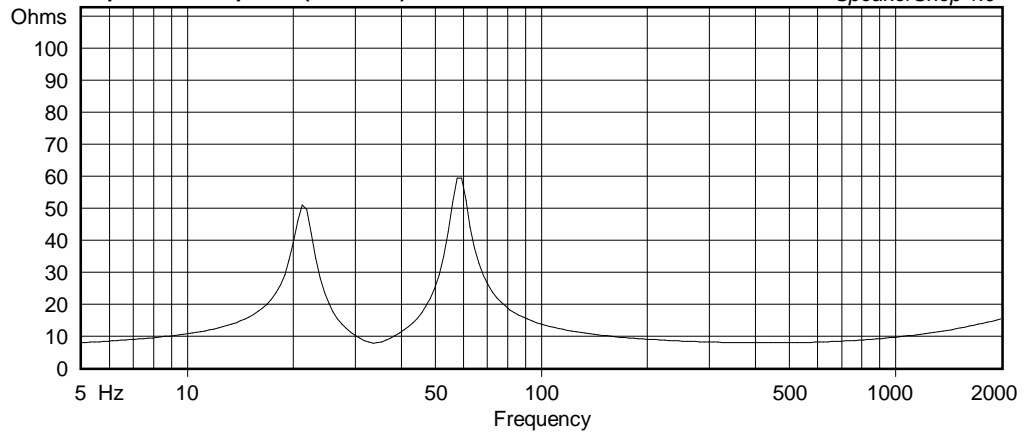


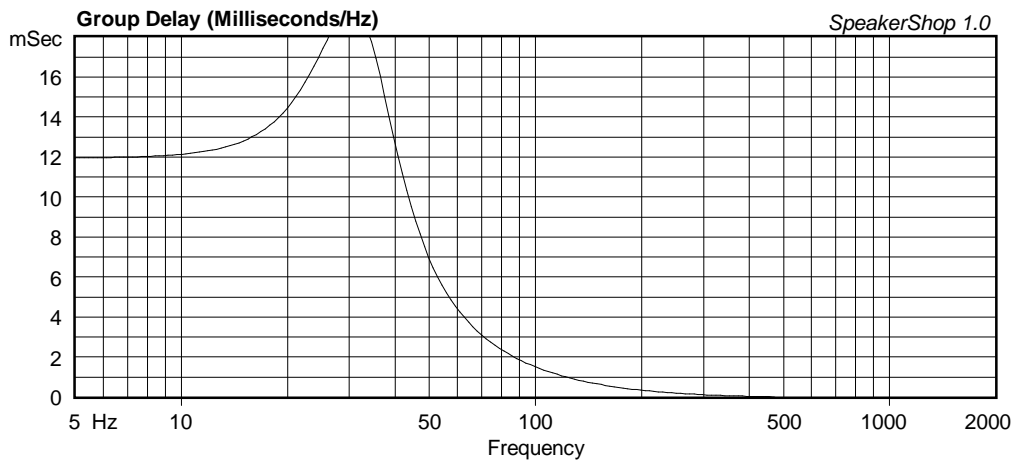
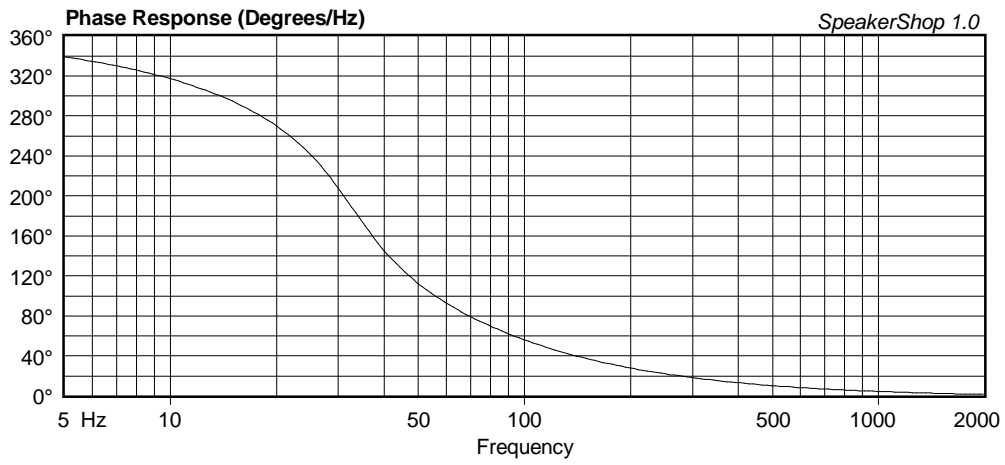
Impedance Response (Ohms/Hz)

Max Z: 57,4 ohms

Min Z: 7,9 ohms

SpeakerShop 1.0





**Internal Box Dimensions**

--Custom vented--  
 Vol = 70,00 liters  
 Shape: Cube  
 s = 41,21 cm

