

Custom Enclosure Design

by Kevin Garrett 800gdn4-14 FI 100lit_2

JBL

Loudspeaker Parameters

--General Information--

Company: Noema
Model: 800gdn14-4
Note/SN:

--Mechanical Parameters--

Fs = 24,0 hertz
Qms = 5,100
Vas = 507,00 liters
Cms = 0,250 mm/N
Mms = 176,000 grams
Rms = 5,201 kg/sec
Xmax = 9,000 mm
Sd = 1 194,6 sq.cm
Dia = 39,0 cm

--Electrical Parameters--

Qes = 0,240
Re = 3,7 ohms
Le = 1,8 mH
Z = 4,0 ohms
BL = 20,0 N/A
Pe = 800,0 watts

--Combination Parameters--

Qts = 0,230
 η_0 = 3,020%
Sens = 97,00 dB (1 watt)

--Multiple Drivers--

Number = 1
Single
Wiring: single
NetZ =
NetRe =
NetSens =

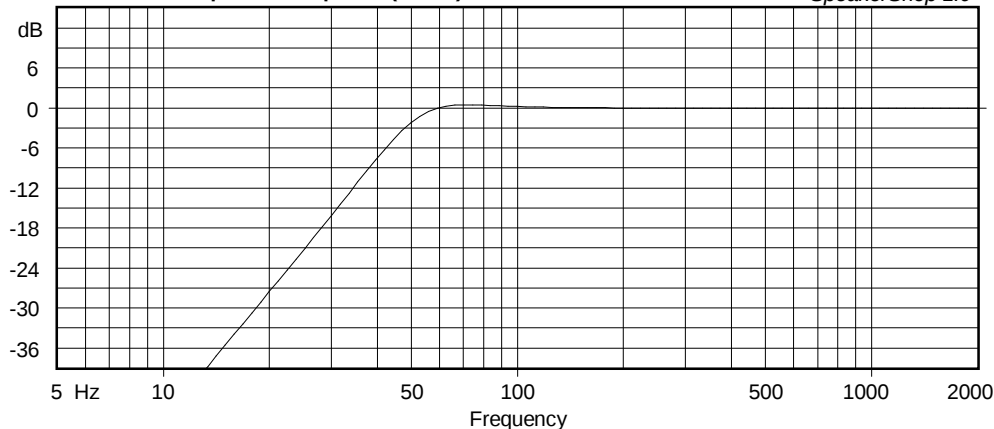
Box Parameters

Custom Vented Box

Vb = 100,00 liters
Fb = 46,0 hertz
F3 = 48,1 hertz
QL = 7,0
Fill = normal
Ports = 4
Dv = 97,35 sq.cm
Lv = 38,17 cm

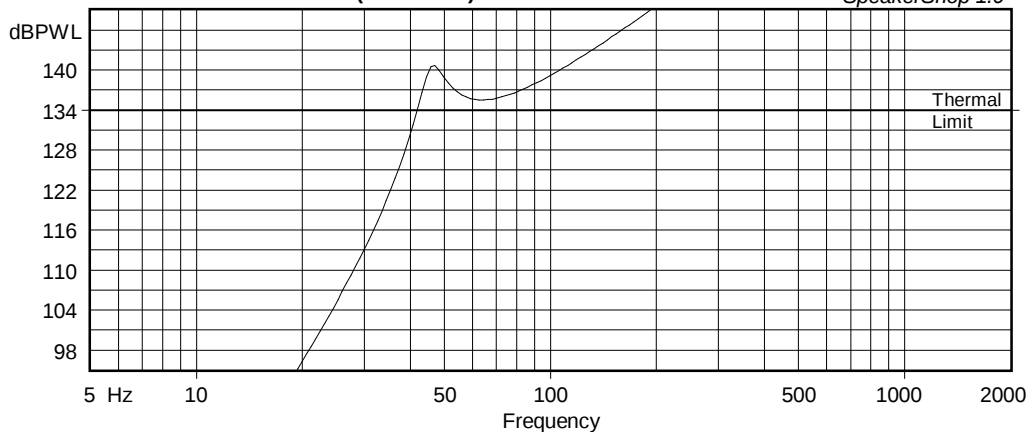
Normalized Amplitude Response (dB/Hz)

SpeakerShop 1.0



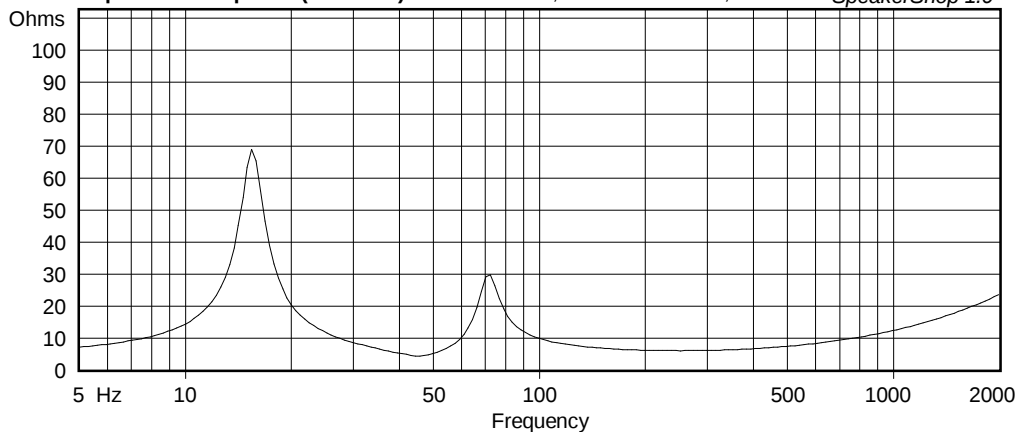
Maximum Acoustic Power (dBPL/Hz)

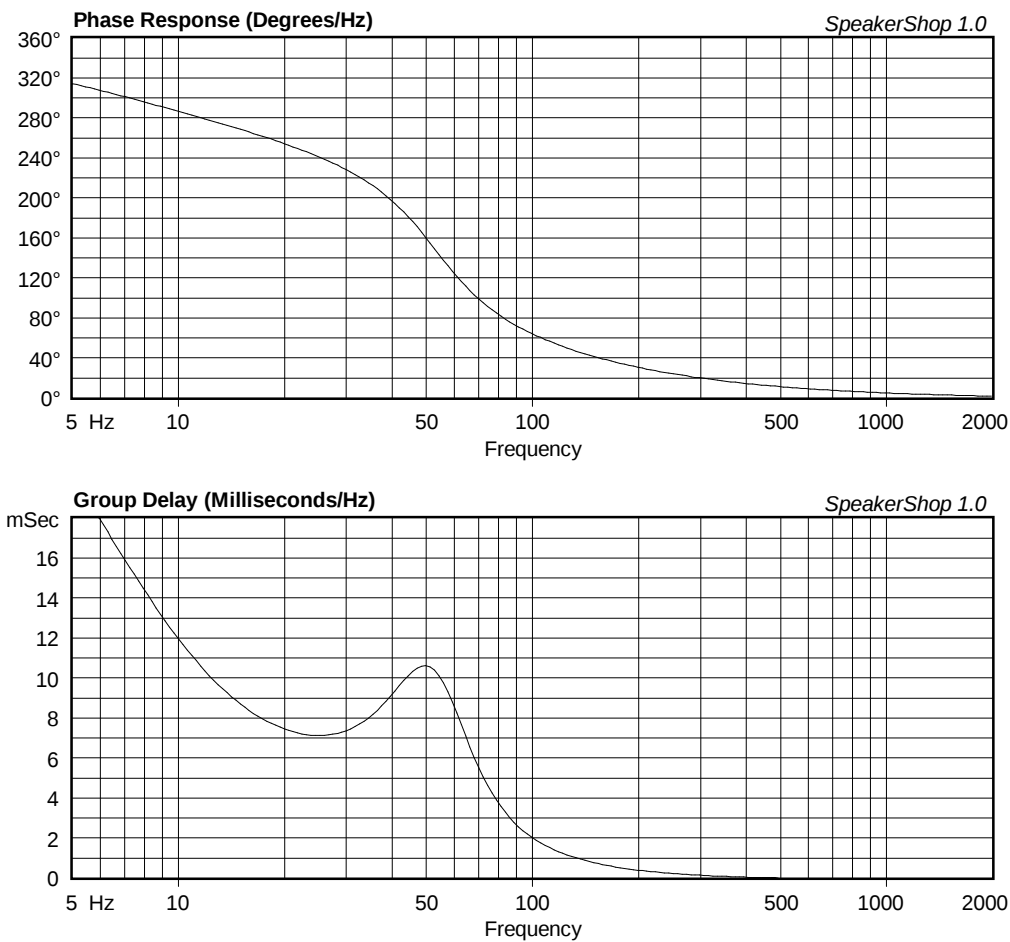
SpeakerShop 1.0



Impedance Response (Ohms/Hz)

Max Z: 66,5 ohms Min Z: 4,6 ohms SpeakerShop 1.0





Internal Box Dimensions

--100lit--
Vol = 100,00 liters
Shape: Cube
s = 46,42 cm

