

Custom Enclosure Design

by Kevin Garrett



Loudspeaker Parameters

--General Information--

Company: NOEMA

Model: 150

Note/SN:

--Mechanical Parameters--

Fs = 41,0 hertz

Qms = 10,000

Vas = 131,00 liters

Cms = 0,330 mm/N

Mms = 46,000 grams

Rms = 1,176 kg/sec

Xmax = 4,500 mm

Sd = 530,9 sq.cm

Dia = 26,0 cm

--Electrical Parameters--

Qes = 0,400

Re = 6,6 ohms

Le = 0,3 mH

Z = 8,0 ohms

BL = 14,0 N/A

Pe = 300,0 watts

--Combination Parameters--

Qts = 0,390

η_0 = 3,949%

Sens = 99,00 dB (2.83 V)

--Multiple Drivers--

Number = 2

Standard

Wiring: parallel

NetZ = 4,0 ohms

NetRe = 3,3 ohms

NetSens = 105,0 dB

Box Parameters

Custom Vented Box

Vb = 140,00 liters

Fb = 44,0 hertz

F3 = 51,5 hertz

QL = 7,0

Fill = minimal

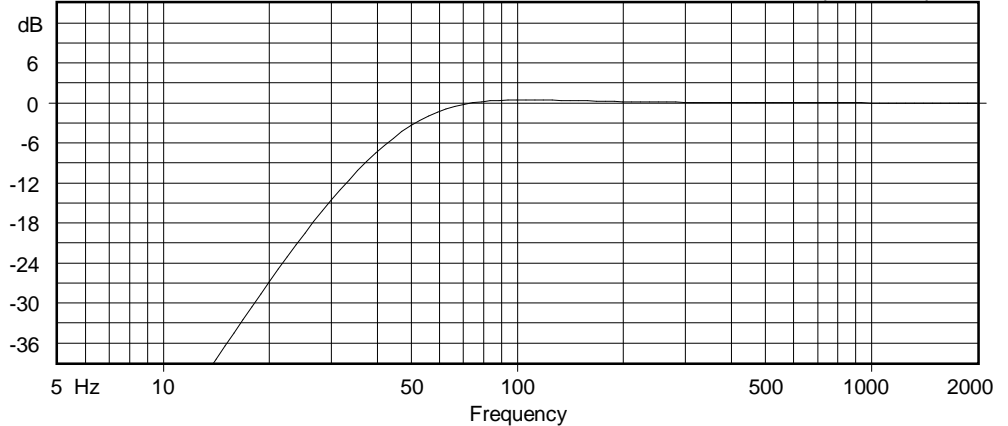
Ports = 1

Dv = 165,55 sq.cm

Lv = 4,23 cm

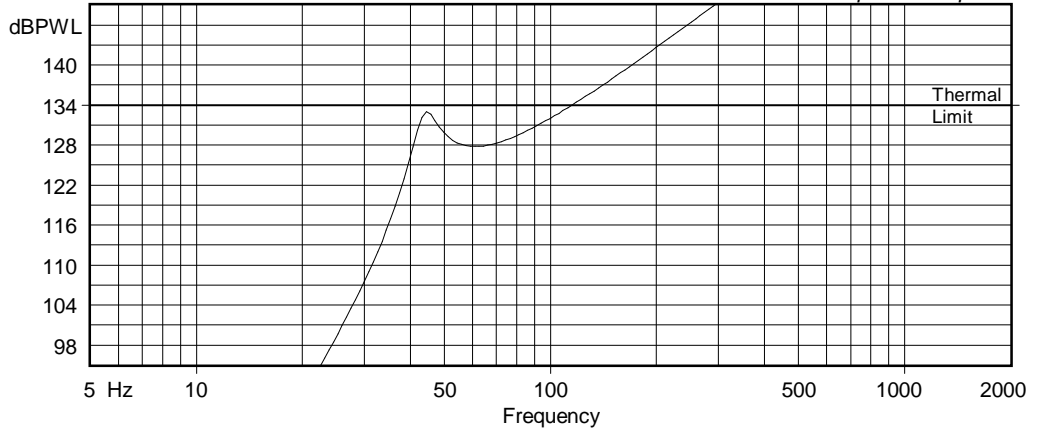
Normalized Amplitude Response (dB/Hz)

SpeakerShop 1.0



Maximum Acoustic Power (dBPL/Hz)

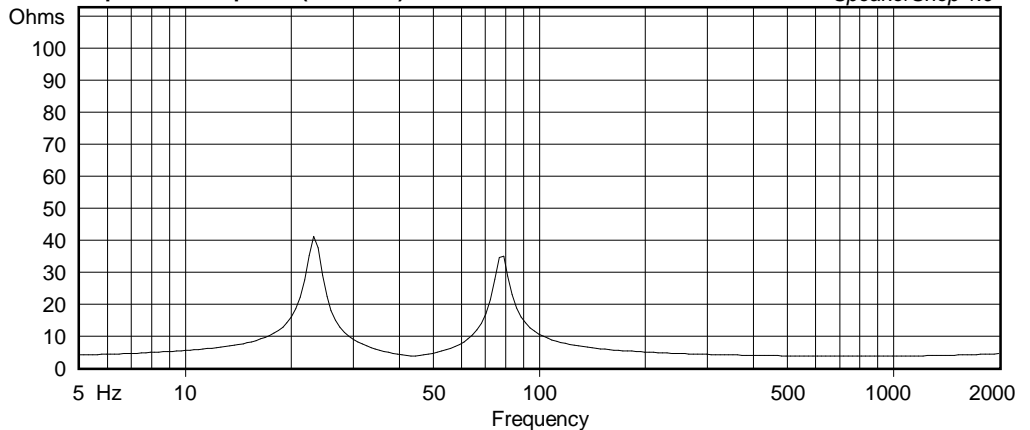
SpeakerShop 1.0

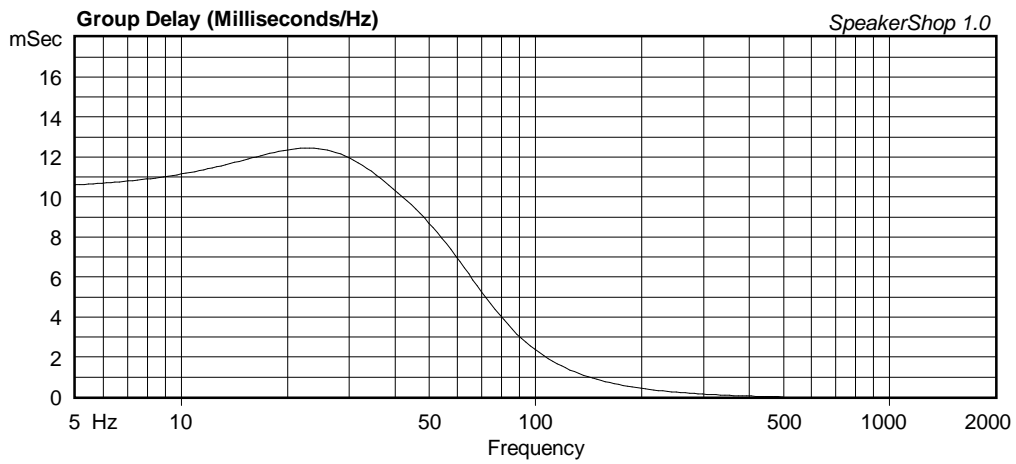
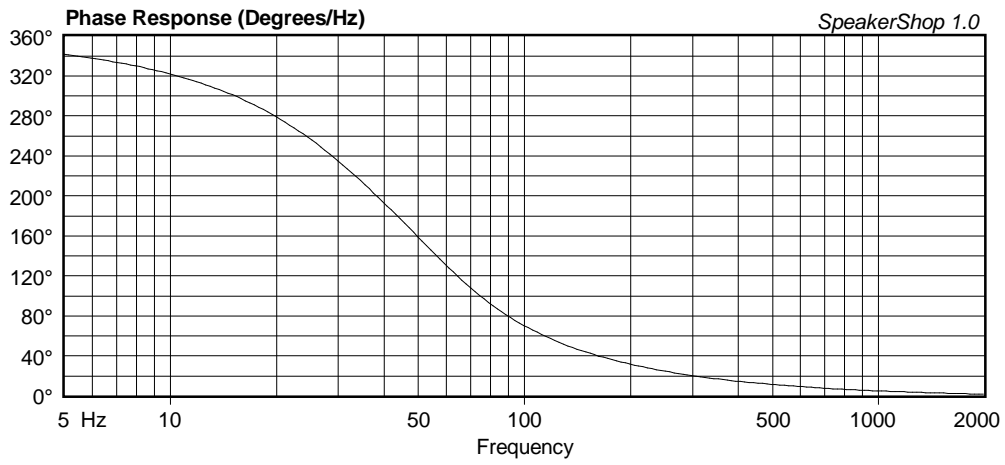


Impedance Response (Ohms/Hz)

Max Z: 39,9 ohms Min Z: 4,0 ohms

SpeakerShop 1.0





Internal Box Dimensions

--2--
 Vol = 140,00 liters
 Shape: Cylinder(s)
 h = 100,00 cm
 d = 42,22 cm
 no = 1

