

# Custom Enclosure Design

by Kevin Garrett for ZM



## Loudspeaker Parameters

--General Information--

Company: scanspeak

Model: 21w38

Note/SN:

--Mechanical Parameters--

Fs = 64,0 hertz

Qms = 3,054

Vas = 20,61 liters

Cms = 0,251 mm/N

Mms = 24,658 grams

Rms = 3,246 kg/sec

Xmax =

Sd = 240,5 sq.cm

Dia = 17,5 cm

--Electrical Parameters--

Qes = 1,155

Re = 3,7 ohms

Le =

Z =

BL = 5,6 N/A

Pe =

--Combination Parameters--

Qts = 0,838

$\eta_0$  = 0,451%

Sens = 88,74 dB (2.83 V)

--Multiple Drivers--

Number = 1

Single

Wiring: single

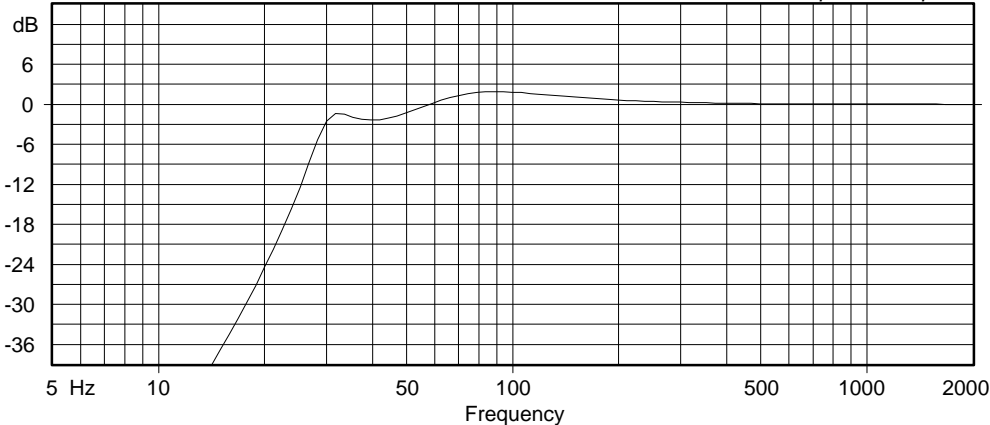
NetZ =

NetRe =

NetSens =

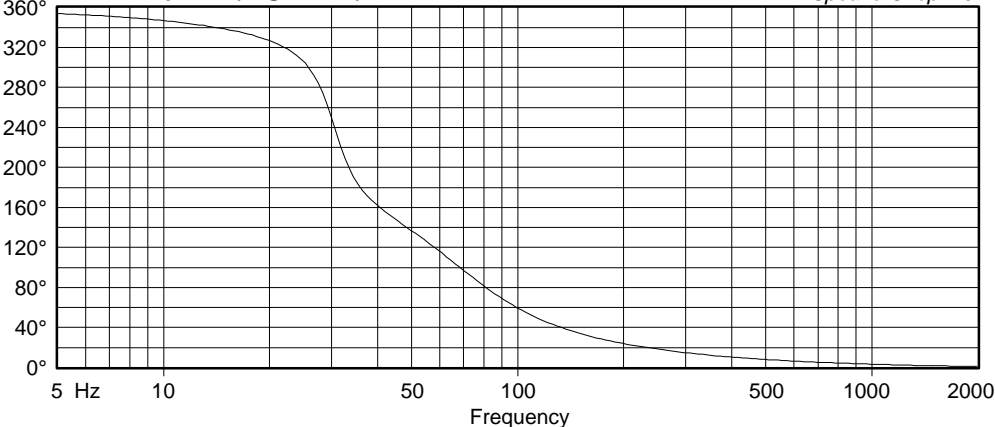
Normalized Amplitude Response (dB/Hz)

SpeakerShop 1.0



Phase Response (Degrees/Hz)

SpeakerShop 1.0



## Box Parameters

Optimum Vented Box

Vb = 85,44 liters

Fb = 33,5 hertz

F3 = 29,5 hertz

Fill = normal

Ports = 1

Dv = 5,00 cm

Lv = 1,00 cm

