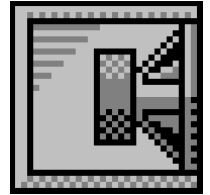


Custom Closed Box Design

By Dr F. Mark Carter, Walberswick Studios



Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 1.75 cu.ft

V(total) = 1.937 cu.ft

Qtc = 0.585

QL = 19.16

F3 = 43.78 Hz

Fill = heavy

Driver Properties

--Description--

Name: RSS315HF-4 12"

Type: Standard one-way driver

Company: Dayton Loudspeaker Co.

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 23 Hz

Qms = 3

Vas = 84.95 liters

Cms = 0.114 mm/N

Mms = 421.7 g

Rms = 20.32 kg/s

Xmax = 14 mm

Xmech = 21 mm

P-Dia = 304 mm

Sd = 725.8 sq.cm

P-Vd = 1.016 liters

--Electrical Parameters--

Qes = 0.52

Re = 3.3 ohms

Le = 0.95 mH

Z = 4 ohms

BL = 19.67 Tm

Pe = 400 watts

--Electromech. Parameters--

Qts = 0.44

no = 0.192 %

1-W SPL = 84.97 dB

2.83-V SPL = 89 dB



Wiring Diagram

