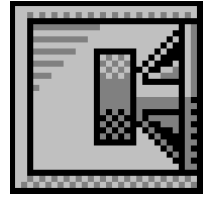


Custom Closed Box Design

By John Cameron, None



Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 1.084 cu.ft

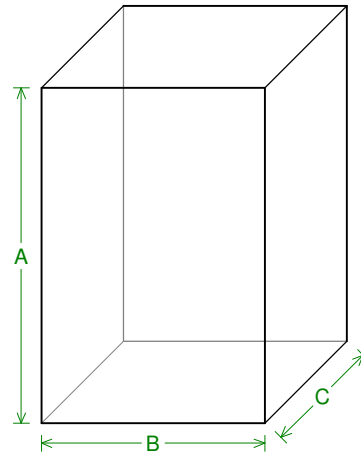
V(total) = 1.161 cu.ft

Qtc = 0.589

QL = 19.96

F3 = 32.21 Hz

Fill = none



--External Dimensions--

A = 23.41 in

B = 15.61 in

C = 10.8 in

--Internal Dimensions--

A = 20.41 in

B = 12.61 in

C = 7.795 in

--Wall Thickness--

Front = 1.5 in

Side = 1.5 in

Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 2

Mounting = Standard

Wiring = Parallel

Drivers sum coherently = Yes

Dual voice coils = parallel

--Mechanical Parameters--

Fs = 17 Hz

Qms = 9.2

Vas = 25.9 liters [51.8]

Cms = 0.14 mm/N [0.07]

Mms = 626 g [1252]

Rms = 7.27 kg/s [14.54]

Xmax = 38 mm

Xmech = 57 mm

P-Dia = 214.4 mm [303.2]

Sd = 366 sq.cm [732]

P-Vd = 1.371 liters [2.743]

--Electrical Parameters--

Qes = 0.39

Re = 1.8 ohms [0.9]

Le = 2.5 mH [1.25]

Z = 2.16 ohms [1.08]

BL = 17.57 Tm

Pe = 2000 watts [4000]

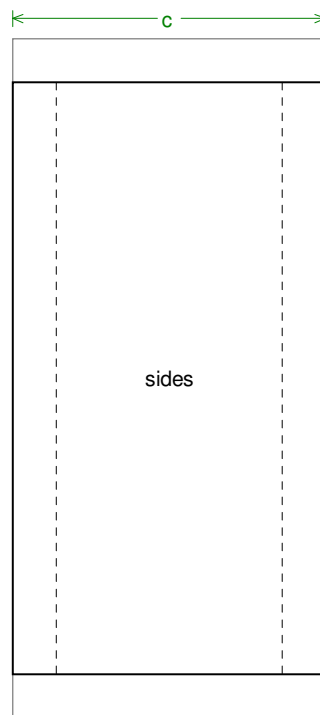
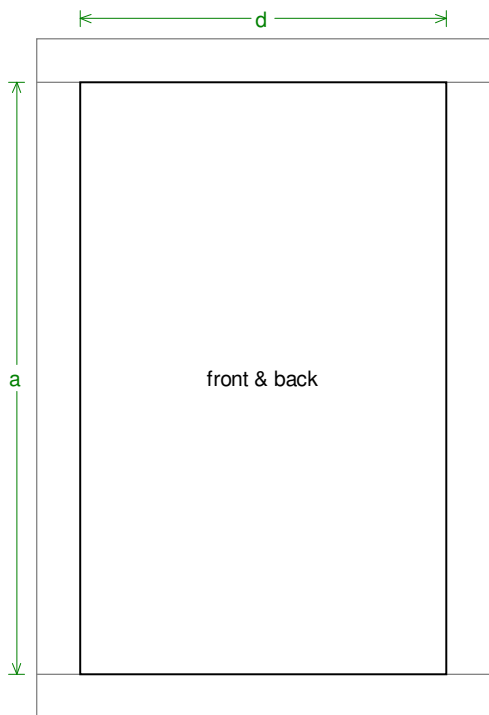
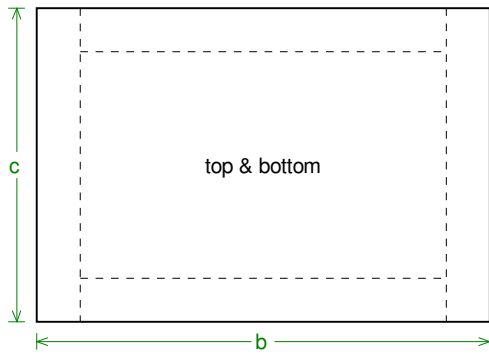
--Electromech. Parameters--

Qts = 0.37

no = 0.0315 % [0.0629]

1-W SPL = 77.12 dB [80.13]

2.83-V SPL = 83.6 dB [89.62]



Box Parts

Box Shape: Optimum Square Prism
1 Top, 1 Bottom: depth (c) = 10.8 in
width (b) = 15.61, thickness = 1.5 in
1 Front, 1 Back: height (a) = 20.41 in
width (d) = 12.61, thickness = 1.5 in
2 Sides: height (a) = 20.41 in
depth (c) = 10.8, thickness = 1.5 in

--Driver Mounting--

Mounting: Flush

Aim: All drivers face same direction



Wiring Diagram

