

Custom Vented Box Design

Box Properties

--Description--

Name: SEAS BOX

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 2.385 liters

V(total) = 2.837 liters

Fb = 72.65 Hz

F3 = 69.17 Hz

Fill = normal

--Vents--

No. of Vents = 1

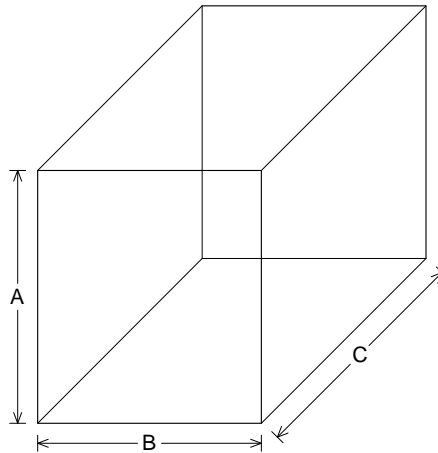
Vent shape = rectangle

Vent ends = two flared

Hv = 6 mm

Wv = 117 mm

Lv = 179 mm



--External Dimensions--

A = 175 mm

B = 155 mm

C = 215 mm

--Internal Dimensions--

A = 137 mm

B = 117 mm

C = 177 mm

--Wall Thickness--

Front = 19 mm

Side = 19 mm

Driver Properties

--Description--

Name: L12 - LF

Type: Two-way coincident driver

Company: SEAS

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 55 Hz

Qms = 2.99

Vas = 3 liters

Xmax = 6 mm

Sd = 47 sq.cm

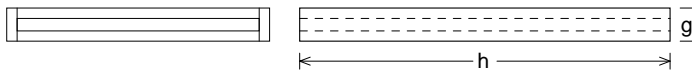
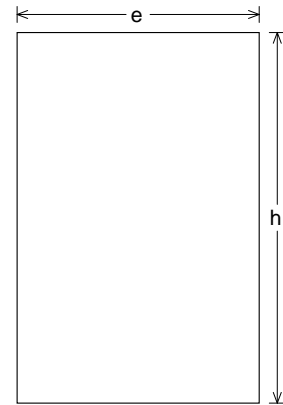
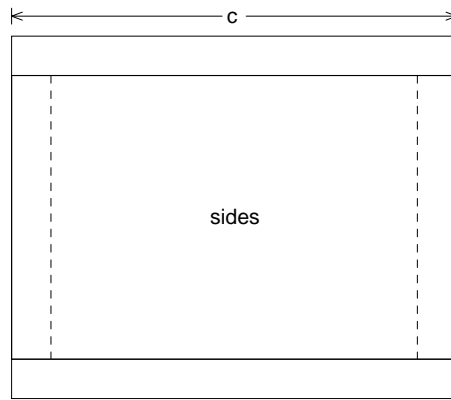
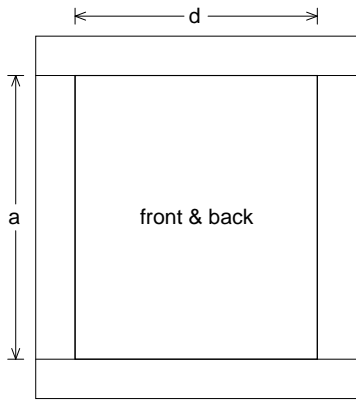
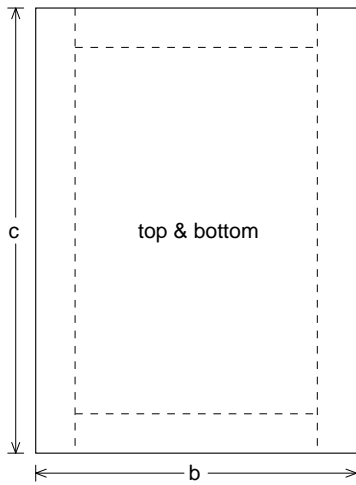
Qes = 0.33

Re = 3.1 ohms

Le = 0.48 mH

Z = 4 ohms

Pe = 80 watts



Box Parts

Box Shape: Square Prism

1 Top, 1 Bottom: depth (c) = 215 mm
width (b) = 155, thickness = 19 mm

1 Front, 1 Back: height (a) = 137 mm
width (d) = 117, thickness = 19 mm

2 Sides: height (a) = 137 mm
depth (c) = 215, thickness = 19 mm

--Driver Mounting--
Mounting: Flush

--Vent Parts--

1 Top, 1 Bottom:
width (e) = 117, length (h) = 179 mm
thickness = 5 mm

2 Sides:
height (g) = 16, length (h) = 179 mm
thickness = 5 mm

Wiring Diagram

