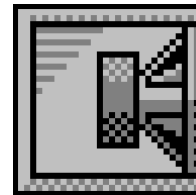


# Custom Vented Box Design

By Nexus3, u



## Box Properties

--Description--

Name:

Type: Vented Box

Shape: Pyramid, truncated

--Box Parameters--

Vb = 80.89 liters

Fb = 53.3 Hz

QL = 7

F3 = 56.15 Hz

Fill = minimal

--Vents--

No. of Vents = 1

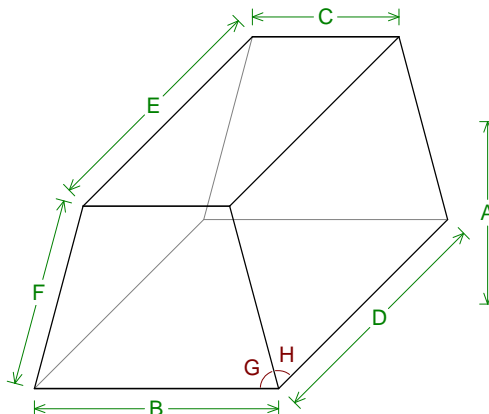
Vent shape = rectangle

Vent ends = one flush

Hv = 110 mm

Wv = 110 mm

Lv = 50 mm



--External Dimensions--

A = 373.6 mm

B = 500 mm

C = 300 mm

D = 700 mm

E = 700 mm

F = 376.9 mm

--Internal Dimensions--

A = 337.6 mm

B = 453.1 mm

C = 272.4 mm

D = 664 mm

E = 664 mm

F = 340.4 mm

--Wall Thickness--

Front = 18 mm

Side = 18 mm

--Corner Angles--

G = 74.6°

H = 90°

## Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

**No. of Drivers = 1**

--Driver Parameters--

Qms = 6.92

Vas = 114.7 liters

Xmax = 5 mm

Sd = 850 sq.cm

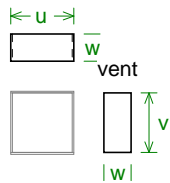
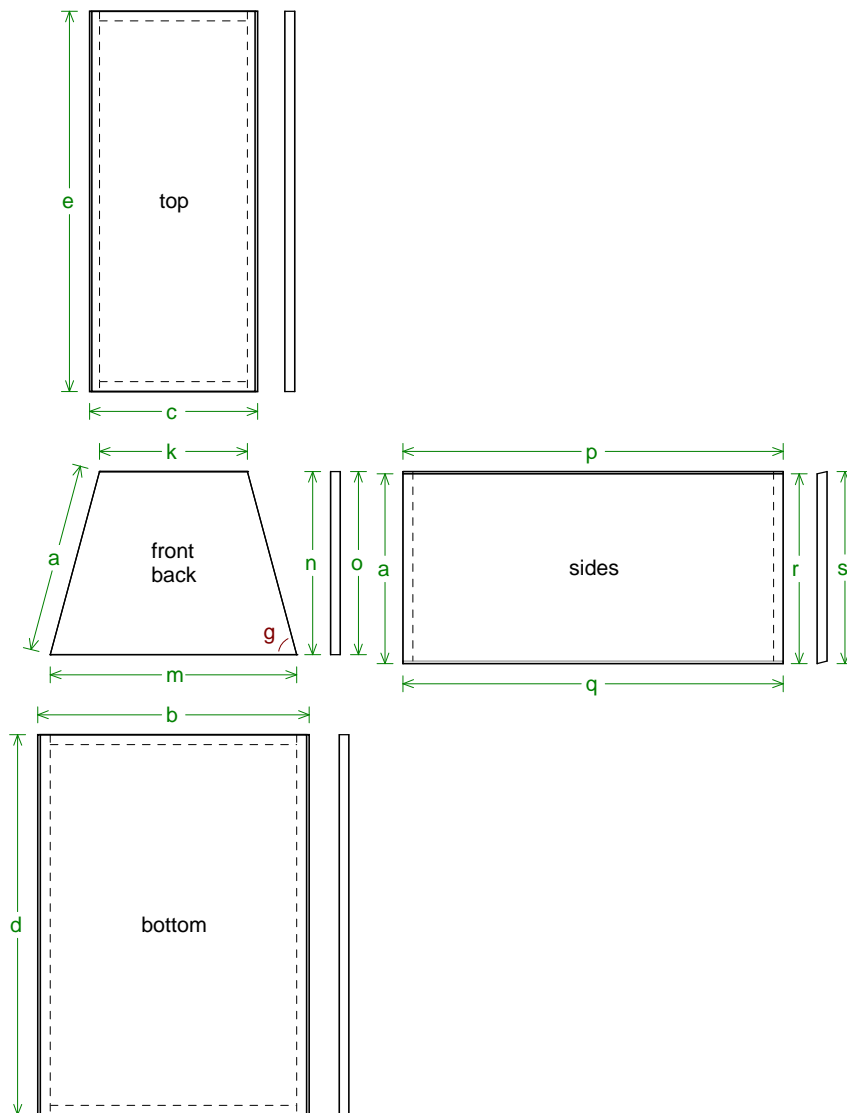
Qes = 0.58

Re = 5.5 ohms

Le = 0.35 mH

Z = 8 ohms

Pe = 600 watts



### Box Parts

#### --Truncated Pyramid Box Parts--

- 1 Top: height ( $e$ ) = 700 mm  
width ( $c$ ) = 309.6 mm  
thickness = 18 mm  
front/back cut angle =  $0^\circ$   
left/right edge cut angle =  $14.98^\circ$
- 1 Front, 1 Back: side length ( $a$ ) = 340.4 mm  
top width ( $k$ ) = 272.4 mm  
bottom width ( $m$ ) = 453.1 mm  
surface height ( $n$ ) = 337.6 mm  
total height ( $o$ ) = 337.6 mm  
thickness = 18 mm  
corner angle ( $g$ ) =  $74.6^\circ$   
cut angles (top/bottom edge only) =  $\pm 0^\circ$
- 2 Sides: side length ( $a$ ) = 340.4 mm  
top width ( $p$ ) = 700 mm  
bottom width ( $q$ ) = 700 mm  
surface height ( $r$ ) = 349.5 mm  
total height ( $s$ ) = 354.3 mm  
thickness = 18 mm  
corner angle ( $h$ ) =  $90^\circ$   
top/bottom cut angle =  $\pm 14.98^\circ$
- 1 Bottom: height ( $d$ ) = 700 mm  
width ( $b$ ) = 500 mm  
thickness = 18 mm  
front/back cut angle =  $0^\circ$   
left/right cut angle =  $14.98^\circ$

#### --Vent Parts--

- 1 Top, 1 Bottom:  
width ( $u$ ) = 116.4, length ( $w$ ) = 50 mm  
thickness = 3.175 mm
- 2 Sides:  
height ( $v$ ) = 110, length ( $w$ ) = 50 mm  
thickness = 3.175 mm

#### --Driver Mounting--

Mounting:



### Wiring Diagram

