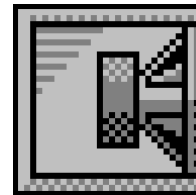


# Custom Vented Box Design

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## Box Properties

### --Description--

Name:

Type: Vented Box

Shape: Pyramid, truncated

### --Box Parameters--

Vb = 32.67 liters

Fb = 65 Hz

QL = 6.977

F3 = 82.46 Hz

Fill = minimal

### --Vents--

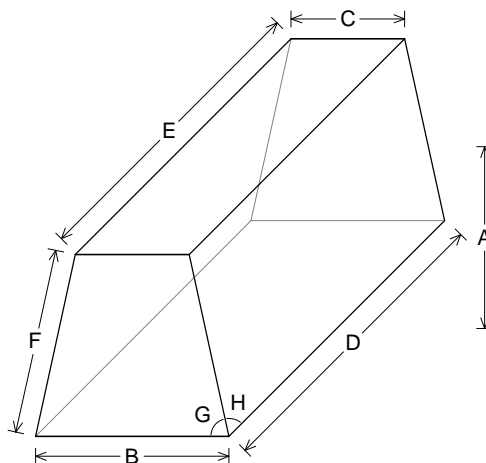
No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 70 mm

Lv = 87.65 mm



### --External Dimensions--

A = 286 mm

B = 304.8 mm

C = 178.9 mm

D = 686 mm

E = 686 mm

F = 286.8 mm

### --Internal Dimensions--

A = 250 mm

B = 260 mm

C = 150 mm

D = 650 mm

E = 650 mm

F = 250.5 mm

### --Wall Thickness--

Front = 18 mm

Side = 18 mm

### --Corner Angles--

G = 77.32°

H = 90°

## Driver Properties

### --Description--

Name:

Type: Standard one-way driver

### --Configuration--

No. of Drivers = 2

Mounting = Standard

Wiring = Parallel

### --Driver Parameters--

Fs = 69 Hz

Qms = 10.68

Vas = 32 liters [64]

Xmax = 2.35 mm

Sd = 250 sq.cm [500]

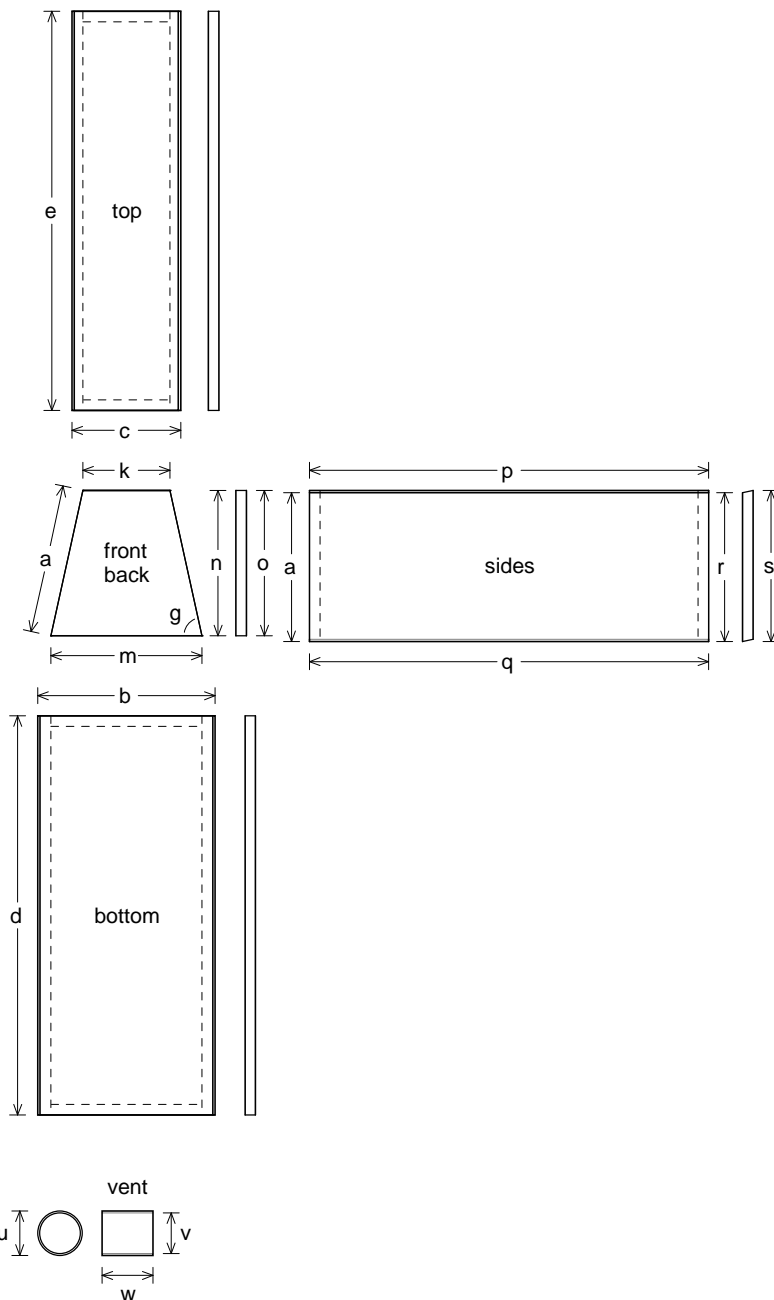
Qes = 0.71

Re = 6.1 ohms [3.05]

Le = 1 mH [0.5]

Z = 8 ohms [4]

Pe = 125 watts [250]



## Box Parts

### --Truncated Pyramid Box Parts--

- 1 Top: height (e) = 686 mm  
width (c) = 186.9 mm  
thickness = 18 mm  
front/back cut angle =  $0^\circ$   
left/right edge cut angle =  $12.41^\circ$
- 1 Front, 1 Back: side length (a) = 250.5 mm  
top width (k) = 150 mm  
bottom width (m) = 260 mm  
surface height (n) = 250 mm  
total height (o) = 250 mm  
thickness = 18 mm  
corner angle (g) =  $77.32^\circ$   
cut angles (top/bottom edge only) =  $\pm 0^\circ$
- 2 Sides: side length (a) = 250.5 mm  
top width (p) = 686 mm  
bottom width (q) = 686 mm  
surface height (r) = 256 mm  
total height (s) = 259.9 mm  
thickness = 18 mm  
corner angle (h) =  $90^\circ$   
top/bottom cut angle =  $\pm 12.41^\circ$
- 1 Bottom: height (d) = 686 mm  
width (b) = 304.8 mm  
thickness = 18 mm  
front/back cut angle =  $0^\circ$   
left/right cut angle =  $12.41^\circ$

### --Vent Parts--

- 2 Ducts: outside diameter (u) = 76.35 mm  
inside diameter (v) = 70 mm  
length (w) = 87.65 mm

### --Driver Mounting--

Aim: All drivers face same direction



### Wiring Diagram

