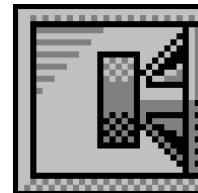


# Custom Vented Box Design

By karsten, cad



## Box Properties

### --Description--

Name: 1x15 sub comparison

Type: Vented Box

Shape: Prism, square

Finish: black warnex

Veneer: 15mm birch ply

### --Box Parameters--

Vb = 104,1 liters

V(total) = 114,9 liters

Fb = 41, Hz

F3 = 42,03 Hz

Fill = minimal

### --Vents--

No. of Vents = 1

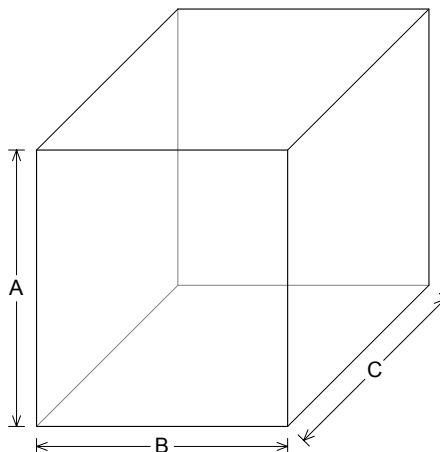
Vent shape = rectangle

Vent ends = one flush

Hv = 55, mm

Wv = 425, mm

Lv = 313,7 mm



### --External Dimensions--

A = 550, mm

B = 500, mm

C = 530, mm

### --Internal Dimensions--

A = 520, mm

B = 470, mm

C = 470, mm

### --Wall Thickness--

Front = 45, mm

Side = 15, mm

## Driver Properties

### --Description--

Name: 15P1000

Type: Standard one-way driver

Company: Acustica Beyma, S.A.

Comment: P1000 series

Piston: Treated paper cone.

Suspension: Treated cloth surround. Nomex dual spider.

Frame: Diecast aluminum basket.

Voice Coil: 114 mm edgewound copper coil. Polyimide former.

Magnet: Ferrite magnet.

### --Configuration--

**No. of Drivers = 1**

### --Driver Parameters--

Fs = 35, Hz

Qms = 12,8

Vas = 146, liters

Xmax = 8, mm

Sd = 880, sq.cm

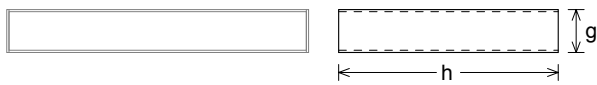
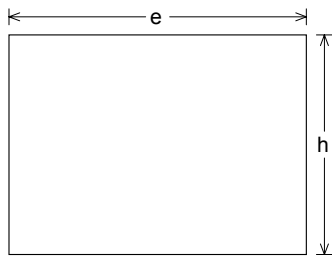
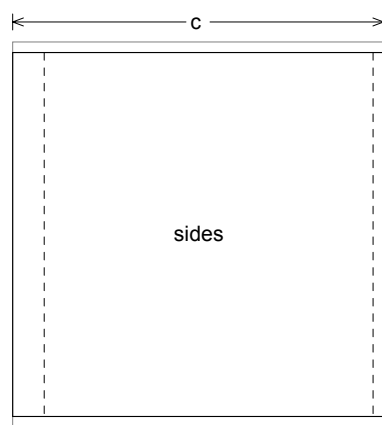
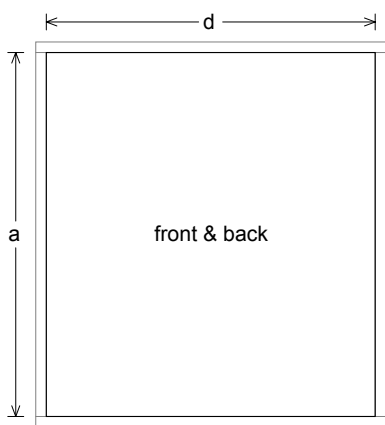
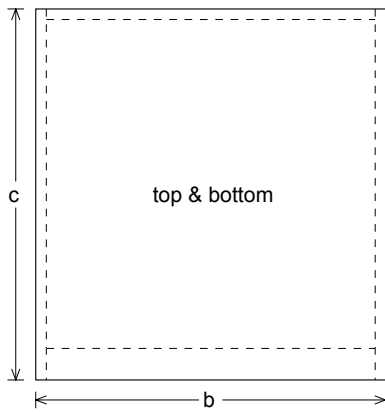
Qes = 0,3

Re = 6,2 ohms

Le = 6, mH

Z = 8, ohms

Pe = 1000 watts



**Box Parts**

Box Shape: Square Prism

1 Top, 1 Bottom: depth (c) = 530, mm  
width (b) = 500,, thickness = 15, mm

1 Front: height (a) = 520, mm  
width (d) = 470,, thickness = 45, mm

1 Back: height (a) = 520, mm  
width (d) = 470,, thickness = 15, mm

2 Sides: height (a) = 520, mm  
depth (c) = 530,, thickness = 15, mm

--Driver Mounting--  
Mounting: Flush

--Vent Parts--

1 Top, 1 Bottom:  
width (e) = 425,, length (h) = 313,7 mm  
thickness = 3,175 mm

2 Sides:  
height (g) = 61,35, length (h) = 313,7 mm  
thickness = 3,175 mm

