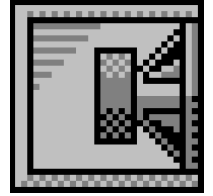


# Custom Vented Box Design

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 = 112,2 liters

V(total) = 114,9 liters

Fb = 57, Hz

F3 = 58,16 Hz

Fill = minimal

### --Vents--

No. of Vents = 1

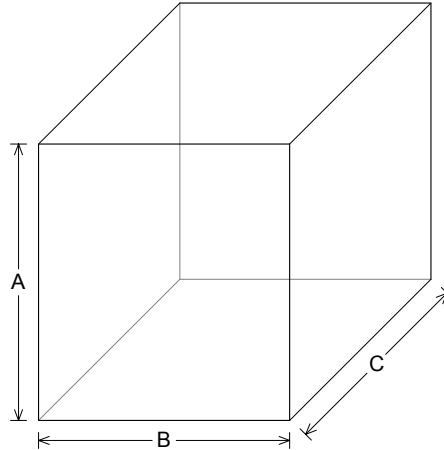
Vent shape = rectangle

Vent ends = one flush

Hv = 50, mm

Wv = 425, mm

Lv = 85,76 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: 15B

Type: Standard one-way driver

Company: D.A.S. Audio, S.A.

Comment: B series

Suspension: Polycotton surround and spider.

Frame: Cast aluminum basket.

Voice Coil: 4 inch edgewound voice coil. Fiberglass former.

Terminals: 4 mm push terminals.

Magnet: Anisotropic barium ferrite magnet. Vented.

### --Configuration--

**No. of Drivers = 1**

### --Driver Parameters--

Fs = 42, Hz

Qms = 6,386

Vas = 198, liters

Xmax = 4, mm

Sd = 860, sq.cm

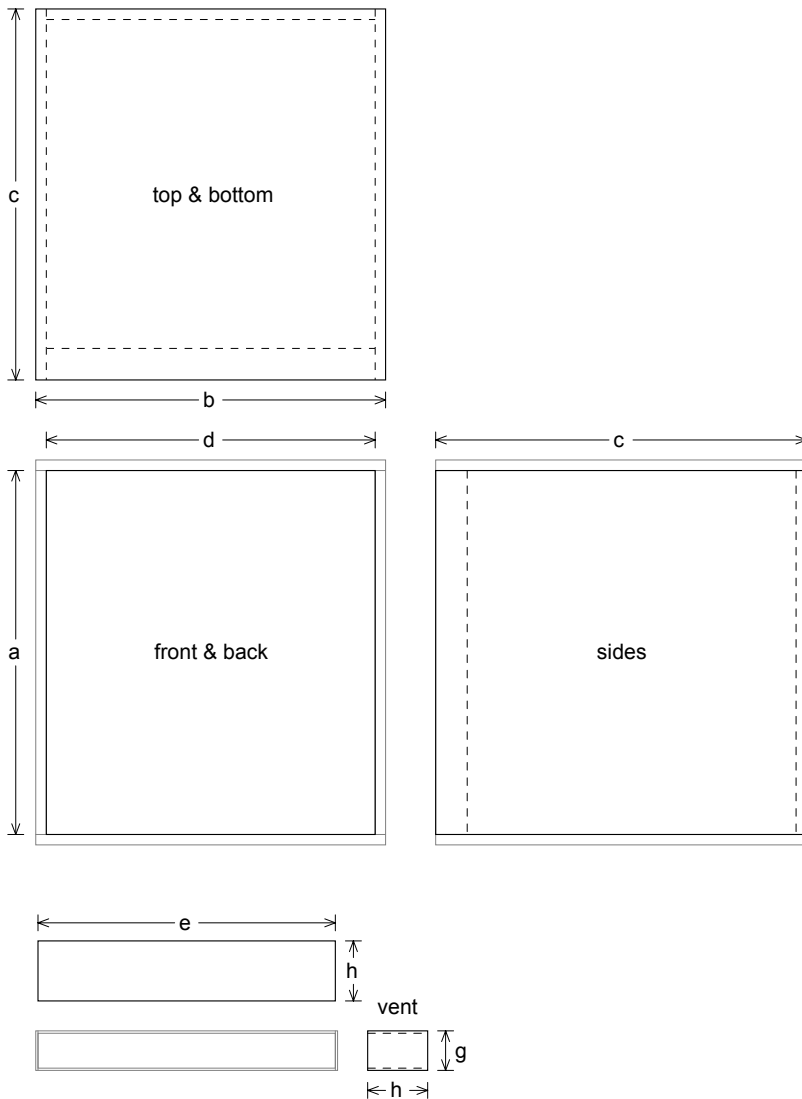
Qes = 0,246

Re = 5,6 ohms

Le = 1,158 mH

Z = 8, ohms

Pe = 500, 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) = 85,76 mm  
thickness = 3,175 mm

2 Sides:  
height (g) = 56,35, length (h) = 85,76 mm  
thickness = 3,175 mm

