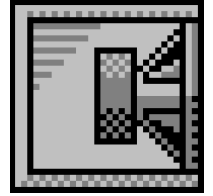


Custom Vented Box Design

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 = 108,2 liters

V(total) = 114,9 liters

Fb = 45, Hz

F3 = 45,74 Hz

Fill = minimal

--Vents--

No. of Vents = 1

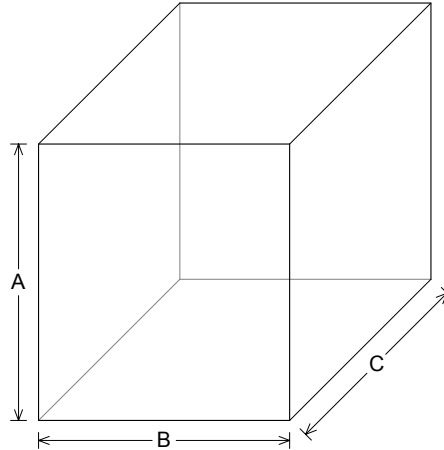
Vent shape = rectangle

Vent ends = one flush

Hv = 50, mm

Wv = 425, mm

Lv = 206,5 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: BM-15LF

Type: Standard one-way driver

Company: P. Audio System Co., Ltd.

Comment: Code No. 420 15 067

Piston: Paper cone.

Suspension: Plasticised linen surround.

Dust Cap: Solid composition paper dust cap.

Frame: Cast aluminum frame.

Voice Coil: 99.3 mm, fiberglass former, edge wound copper.

Magnet: APS ferrite magnet.

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 33, Hz

Qms = 4,32

Vas = 221,7 liters

Xmax = 8, mm

Sd = 855, sq.cm

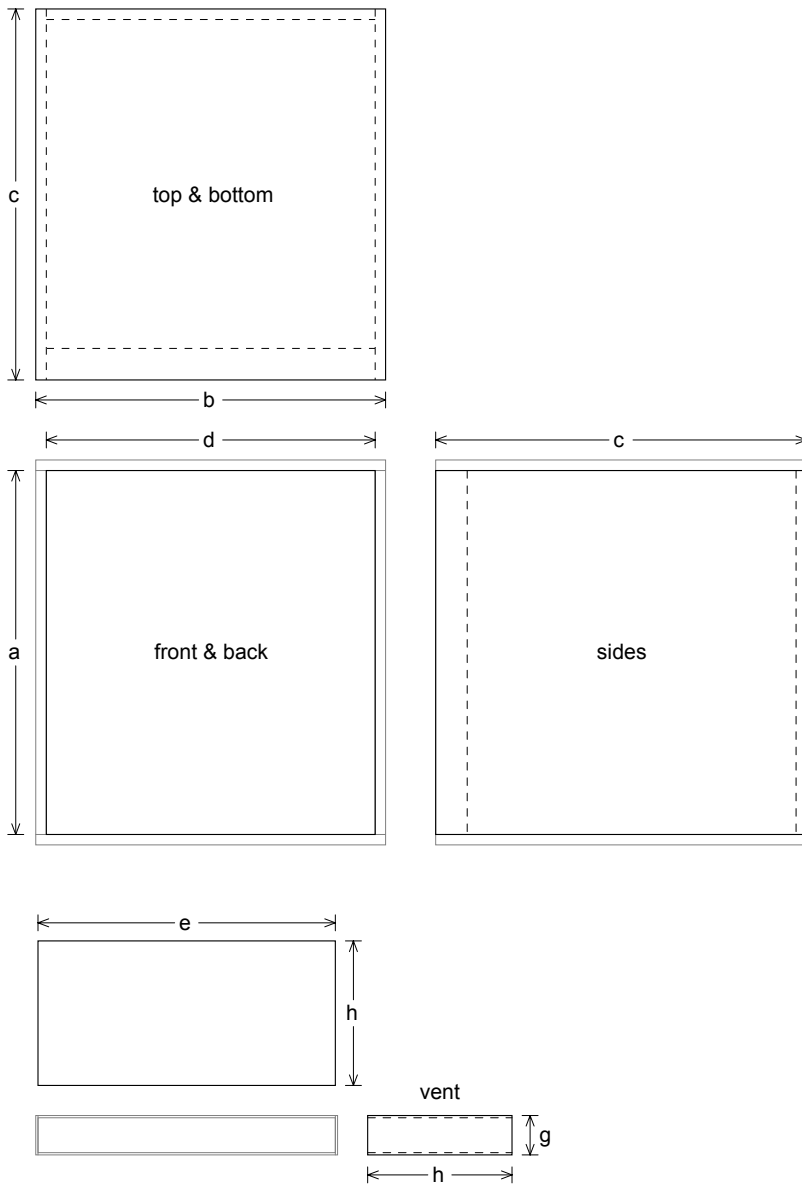
Qes = 0,34

Re = 5, ohms

Le = 1,09 mH

Z = 8, ohms

Pe = 500, watts



Box Parts

Box Shape: Square Prism

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

1 Front: height (a) = 520, mm

width (d) = 470, mm, thickness = 45, mm

1 Back: height (a) = 520, mm

width (d) = 470, mm, thickness = 15, mm

2 Sides: height (a) = 520, mm

depth (c) = 530, mm, thickness = 15, mm

--Driver Mounting--

Mounting: Flush

--Vent Parts--

1 Top, 1 Bottom:

width (e) = 425, mm, length (h) = 206,5 mm

thickness = 3,175 mm

2 Sides:

height (g) = 56,35 mm, length (h) = 206,5 mm

thickness = 3,175 mm

