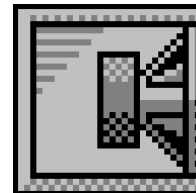


Custom Vented Box Design

By karsten, cad



Box Properties

--Description--

Name: 1x18 sub comparison

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 172, liters

V(total) = 174,3 liters

Fb = 44, Hz

F3 = 46,03 Hz

Fill = minimal

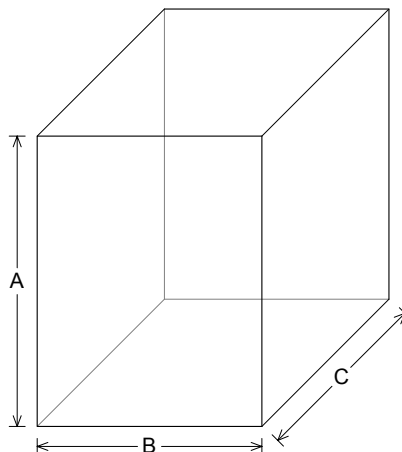
--Vents--

No. of Vents = 1

Vent shape = round

Vent ends = one flush

Dv = 100, mm



--External Dimensions--

A = 706, mm

B = 546, mm

C = 583, mm

--Internal Dimensions--

A = 670, mm

B = 510, mm

C = 510, mm

--Wall Thickness--

Front = 55, mm

Side = 18, mm

Driver Properties

--Description--

Name: 2242H

Type: Standard one-way driver

Company: JBL Professional Division

Piston: Ribbed paper cone reinforced with fiberglass.

Suspension: Cloth surround.

Frame: Die-cast frame.

Voice Coil: 100 mm edge-wound aluminum ribbon voice coil.

Magnet: Magnet includes Super Vented Cooling.

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 35, Hz

Qms = 5,

Vas = 283, liters

Xmax = 9, mm

Sd = 1240 sq.cm

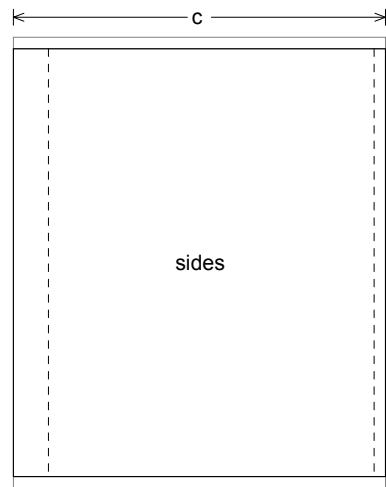
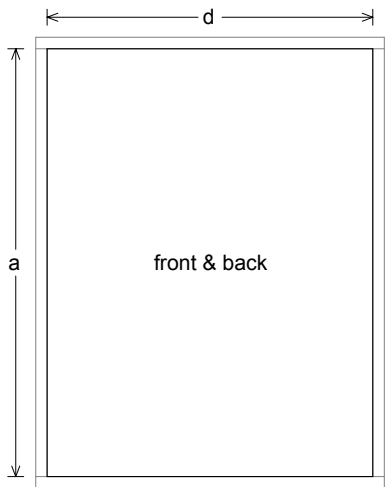
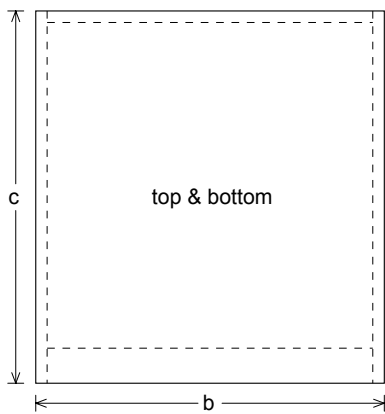
Qes = 0,29

Re = 4,7 ohms

Le = 1,25 mH

Z = 8, ohms

Pe = 800, watts



Box Parts

Box Shape: Square Prism

1 Top, 1 Bottom: depth (c) = 583, mm
width (b) = 546,, thickness = 18, mm

1 Front: height (a) = 670, mm
width (d) = 510,, thickness = 55, mm

1 Back: height (a) = 670, mm
width (d) = 510,, thickness = 18, mm

2 Sides: height (a) = 670, mm
depth (c) = 583,, thickness = 18, mm

--Driver Mounting--
Mounting: Flush

