

Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 1 cu.ft

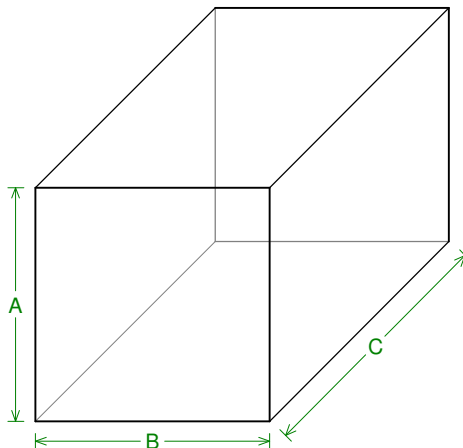
V(total) = 1.11 cu.ft

Qtc = 0.649

QL = 20

F3 = 48.03 Hz

Fill = none



--External Dimensions--

A = 12.5 in

B = 12.5 in

C = 18.11 in

--Internal Dimensions--

A = 11 in

B = 11 in

C = 15.86 in

--Wall Thickness--

Front = 1.5 in

Side = 0.75 in

Driver Properties

--Description--

Name: Brahma 12

Type: Standard one-way driver

Company: Adire Audio

Comment: Current 2020 version

Suspension: 8 inch semi-cupped progressive spider.

Frame: Cast frame.

Voice Coil: 3 in diameter.

--Configuration--

No. of Drivers = 1

Dual voice coils = series

--Mechanical Parameters--

Fs = 27.84 Hz

Qms = 6.57

Vas = 43.54 liters

Cms = 0.132 mm/N

Mms = 247.3 g

Rms = 6.586 kg/s

Xmax = 27.32 mm

Xmech = 40.98 mm

P-Dia = 247.7 mm

Sd = 481.7 sq.cm

P-Vd = 1.316 liters

--Electrical Parameters--

Qes = 0.45

Re = 6.77 ohms

Le = 3 mH

Z = 8 ohms

BL = 25.51 Tm

Pe = 1000 watts

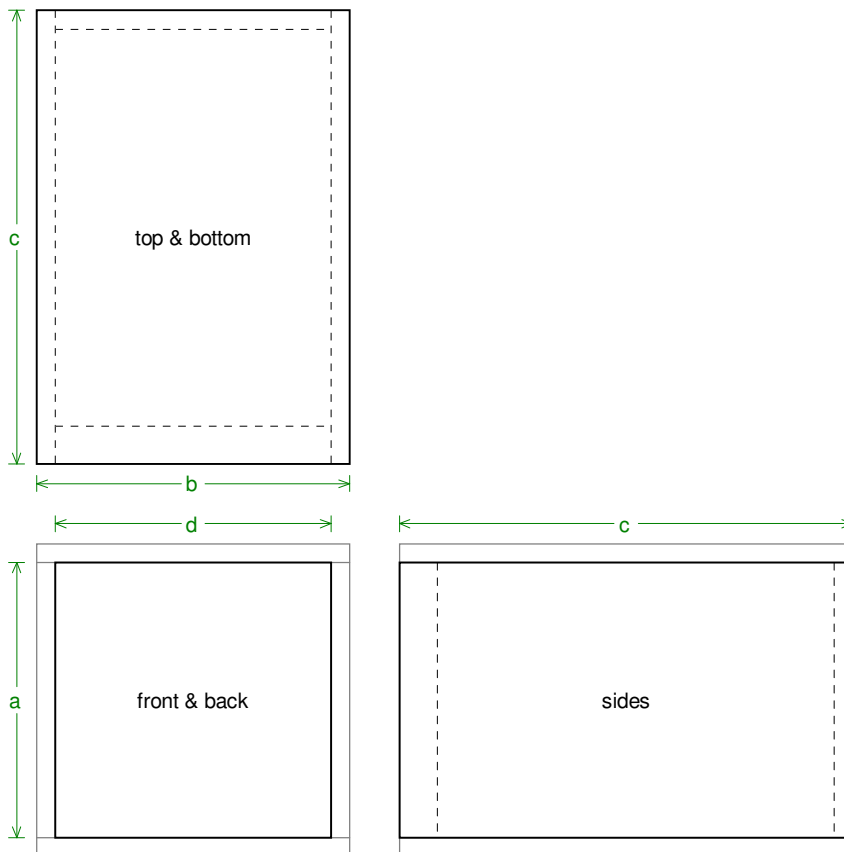
--Electromech. Parameters--

Qts = 0.421

no = 0.201 %

1-W SPL = 85.19 dB

2.83-V SPL = 85.91 dB



Box Parts

Box Shape: Square Prism

1 Top, 1 Bottom: depth (c) = 18.11 in
width (b) = 12.5, thickness = 0.75 in

1 Front: height (a) = 11 in
width (d) = 11, thickness = 1.5 in

1 Back: height (a) = 11 in
width (d) = 11, thickness = 0.75 in

2 Sides: height (a) = 11 in
depth (c) = 18.11, thickness = 0.75 in

--Driver Mounting--
Mounting: Flush



Wiring Diagram

