



Box Properties

--Description--

Name:

Type: Bandpass Single-Tuned Box

Shape: Prism, Bandpass with two chambers

--Box Parameters--

Chamber 1 - lower-frequency

Vb = 0.643 cu.ft

V(total) = 0.697 cu.ft

Fb = 59.69 Hz

QL = 7

F3 = 30.12 Hz

Fill = minimal

Chamber 2 - upper-frequency

Vb = 0.147 cu.ft

V(total) = 0.153 cu.ft

Fb = 59.69 Hz

QL = 7

F3 = 119 Hz

Fill = minimal

--Vents--

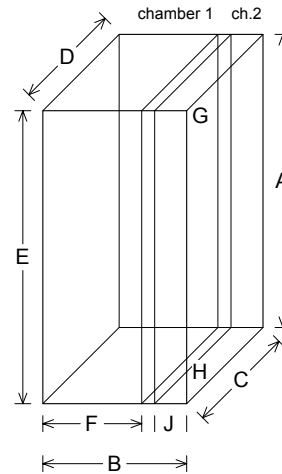
No. of Vents = 4

Vent shape = round

Vent ends = one flush

Dv = 1 in

Lv = 15.43 in



--External Dimensions--

A = 22.41 in

B = 11 in

C = 11 in

D = 11 in

E = 22.41 in

--Internal Dimensions--

A = 20.41 in

C = 8.999 in

D = 8.999 in

E = 20.41 in

F = 6.557 in

J = 1.443 in

--Wall Thickness--

Outer Sides = 1 in

Inner Baffle = 1 in

--Angles--

G = 90°

H = 90°

Driver Properties

--Description--

Name: Apex Jr Super8

Type: Standard one-way driver

Company: Apex Jr

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 47.74 Hz

Qms = 7.334

Vas = 0.376 cu.ft

Cms = 0.0271 in/lb

Mms = 2.533 oz

Rms = 6.476 lb/s

P-Dia = 6.589 in

Sd = 34.1 sq.in

--Electrical Parameters--

Qes = 0.552

Re = 2.653 ohms

Le = 0.157 mH

Z = 3 ohms

BL = 2.287 lb/A

Pe = 250 watts

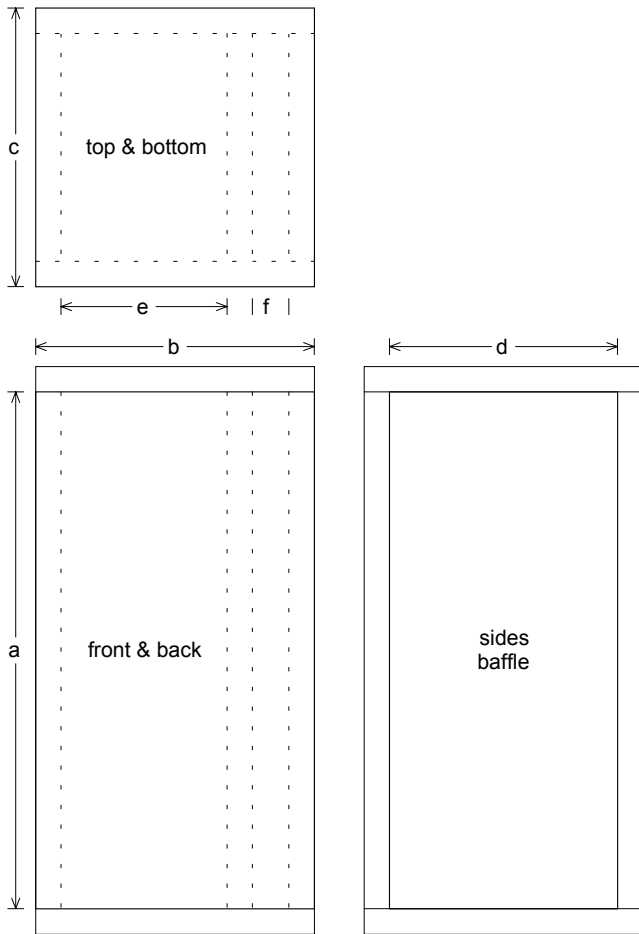
--Electromech. Parameters--

Qts = 0.514

no = 0.203 %

1-W SPL = 85.22 dB

2.83-V SPL = 90.01 dB



Box Parts

Box Shape: Bandpass Prism

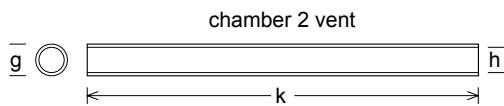
- 1 Top, 1 Bottom: height (c) = 11 in
width (b) = 11, thickness = 1 in
- 1 Front, 1 Back: height (a) = 20.41 in
width (b) = 11, thickness = 1 in
- 3 Sides: height (a) = 20.41 in
width (d) = 8.999, thickness = 1 in
- Baffle Location: $e = 6.557$, $f = 1.443$ in

--Driver Mounting--

Mounting: Rear
Aim: Driver faces chamber 2

--Vent Parts--

- 4 Ducts: (chamber 2)
outside diameter (g) = 1.25 in
inside diameter (h) = 1 in
length (k) = 15.43 in



fractions

1/16	1/8	3/16	1/4	5/16	3/8	7/16	1/2	9/16	5/8	11/16	3/4	13/16	7/8	15/16
0.0625	0.1250	0.1875	0.2500	0.3125	0.3750	0.4375	0.5000	0.5625	0.6250	0.6875	0.7500	0.8125	0.8750	0.9375

decimal equivalents

