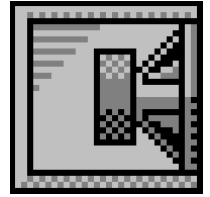


Custom Vented Box Design

By Mark, Walberswick Studios



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 2.85 cu.ft

V(total) = 3.726 cu.ft

Fb = 19.32 Hz

F3 = 26.72 Hz

Fill = minimal

--Vents--

No. of Vents = 1

Vent shape = rectangle

Vent ends = one flared

Hv = 2.25 in

Wv = 10 in

Lv = 56.09 in

Driver Properties

--Description--

Name: SV10

Type: Standard one-way driver

Company: Audio Concepts, Inc. (ACI)

Piston: Heavy, pressed pulp cone.

Suspension: Large Santoprene roll surround. Nomex spider.

Frame: 16 gauge stamped steel frame.

Voice Coil: 2 inch voice coil diameter.

Terminals: Gold-plated 0.25-inch spade terminals.

Magnet: 84 oz magnet. Bumped back plate.

--Configuration--

No. of Drivers = 2

Mounting = Standard

Wiring = Parallel

Drivers sum coherently = Yes

--Mechanical Parameters--

Fs = 18.5 Hz

Qms = 4.205

Vas = 84 liters [168]

Cms = 0.656 mm/N [0.328]

Mms = 111.3 g [222.6]

Xmax = 16 mm

Sd = 310 sq.cm [620]

--Electrical Parameters--

Qes = 0.394

Re = 2.72 ohms [1.36]

Z = 4 ohms [2]

BL = 9.48 Tm [9.45]

Pe = 250 watts [500]

--Electromech. Parameters--

Qts = 0.36

2.83-V SPL = 87.72 dB [93.74]



Wiring Diagram

