# **Custom Vented Box Design**

By John, Microsoft



## **Box Properties**

--Description--Name: Type: Vented Box Shape: Prism, square --Box Parameters--Vb = 1.354 cu.ft V(total) = 1.976 cu.ft $F\dot{b} =$ 33.07 Hz F3 = 91.94 Hz Fill = none --Vents--No. of Vents = 1Vent shape = rectangle Vent ends = one flush 10.5 in Hv = Wv =1.875 in 35.5 in Lv =



 $\begin{array}{l} --External Dimensions--\\ A=12 \mbox{ in }\\ B=27 \mbox{ in }\\ C=15 \mbox{ in }\\ --Internal Dimensions--\\ A=10.5 \mbox{ in }\\ B=25.5 \mbox{ in }\\ C=12.75 \mbox{ in }\\ --Wall Thickness--\\ Front=1.5 \mbox{ in }\\ Side=0.75 \mbox{ in }\\ \end{array}$ 

#### **Driver Properties**

--Description--Name: Hutchinson NDFEB 10 w carbon Type: Standard one-way driver --Configuration--No. of Drivers = 1 Dual voice coils = parallel --Driver Parameters--Fs = 47.8 Hz Qms = 3.59 Vas = 13.89 liters

Xmax =	28 mm
Sd =	388 sq.cm
Qes =	0.323
Re =	0.534 ohm
Le =	0.438 mH
Z =	0.641 ohm





## Wiring Diagram









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