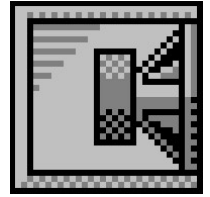


# Custom Vented Box Design

By Mark Carter, Walberswick Studios



## Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 5 cu.ft

V(total) = 5.199 cu.ft

Fb = 23.53 Hz

QL = 6.736

F3 = 26.48 Hz

Fill = minimal

--Vents--

No. of Vents = 1

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 8.729 in

## Driver Properties

--Description--

Name: RSS315HF-4

Type: Standard one-way driver

Company: Dayton Audio

--Configuration--

**No. of Drivers = 1**

--Mechanical Parameters--

Fs = 24.2 Hz

Qms = 2.83

Vas = 86.54 liters

Cms = 0.23 mm/N

Mms = 188 g

Rms = 10.1 kg/s

Xmax = 14.3 mm

Xmech = 21.45 mm

P-Dia = 256 mm

Sd = 514.7 sq.cm

P-Vd = 0.736 liters

--Electrical Parameters--

Qes = 0.45

Re = 3.1 ohms

Le = 0.96 mH

Z = 4 ohms

BL = 13.99 Tm

Pe = 400 watts

--Electromech. Parameters--

Qts = 0.39

no = 0.263 %

1-W SPL = 86.34 dB

2.83-V SPL = 93 dB



### Wiring Diagram

