



## Box Properties

### --Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

### --Box Parameters--

Vb = 4.946 cu.ft

V(total) = 5.676 cu.ft

Fb = 17.9 Hz

QL = 6.143

F3 = 18.56 Hz

Fill = minimal

### --Vents--

No. of Vents = 1

Vent shape = rectangle

Vent ends = two flared

Hv = 2.5 in

Wv = 9 in

Lv = 36.89 in

## Driver Properties

### --Description--

Name: RSS315HF-4 12"

Type: Standard one-way driver

Company: Dayton Loudspeaker Co.

### --Configuration--

**No. of Drivers = 1**

### --Mechanical Parameters--

Fs = 23 Hz

Qms = 3

Vas = 84.95 liters

Cms = 0.114 mm/N

Mms = 421.7 g

Rms = 20.32 kg/s

Xmax = 14 mm

Xmech = 21 mm

P-Dia = 304 mm

Sd = 725.8 sq.cm

P-Vd = 1.016 liters

### --Electrical Parameters--

Qes = 0.52

Re = 3.3 ohms

Le = 0.95 mH

Z = 4 ohms

BL = 19.67 Tm

Pe = 400 watts

### --Electromech. Parameters--

Qts = 0.44

no = 0.192 %

1-W SPL = 84.97 dB

2.83-V SPL = 89 dB



### Wiring Diagram







