



## Box Properties

### --Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

### --Box Parameters--

Vb = 0.438 cu.ft

V(total) = 0.467 cu.ft

Fb = 44.89 Hz

QL = 7

F3 = 48.11 Hz

Fill = minimal

### --Vents--

No. of Vents = 1

Vent shape = round

Vent ends = two flared

Dv = 2 in

Lv = 8.985 in

## Driver Properties

### --Description--

Name: TC14WG-49-08

Type: Standard one-way driver

Company: Vifa

Piston: NRCS cone.

Suspension: Non-resonant rubber surround.

Frame: Molded fiber reinforced polymer chassis.

Voice Coil: 25 mm diameter.

Magnet: 240 g (8.5 oz) magnet. Vented.

### --Configuration--

**No. of Drivers = 1**

### --Mechanical Parameters--

Fs = 53 Hz

Qms = 2.73

Vas = 10.5 liters

Cms = 1.155 mm/N

Mms = 7.8 g

Rms = 0.952 kg/s

Xmax = 3 mm

Xmech = 4.5 mm

P-Dia = 100.9 mm

Sd = 80 sq.cm

P-Vd = 0.024 liters

### --Electrical Parameters--

Qes = 0.53

Re = 5.55 ohms

Le = 0.6 mH

Z = 8 ohms

BL = 5.2 Tm

Pe = 35 watts

### --Electromech. Parameters--

Qts = 0.45

no = 0.284 %

1-W SPL = 86 dB

2.83-V SPL = 88.27 dB



### Wiring Diagram







