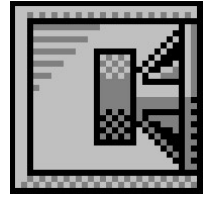


# Custom Closed Box Design

By Mark Carter, Walberswick Studios



## Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 0.0619 cu.ft

V(total) = 0.0619 cu.ft

Qtc = 0.573

QL = 20

F3 = 136.8 Hz

Fill = heavy

## Driver Properties

--Description--

Name: EM 428

Type: Standard one-way driver

Company: Morel Acoustics USA, Inc.

--Configuration--

**No. of Drivers = 1**

--Mechanical Parameters--

Fs = 68 Hz

Qms = 3.03

Vas = 3.5 liters

Cms = 0.88 mm/N

Mms = 6.55 g

Rms = 0.86 kg/s

Xmax = 3 mm

Xmech = 4.5 mm

P-Dia = 82.08 mm

Sd = 57 sq.cm

P-Vd = 0.0159 liters

--Electrical Parameters--

Qes = 0.48

Re = 5.4 ohms

Le = 0.36 mH

Z = 8 ohms

BL = 5.611 Tm

Pe = 150 watts

--Electromech. Parameters--

Qts = 0.41

no = 0.221 %

1-W SPL = 87 dB

2.83-V SPL = 87.3 dB



### Wiring Diagram

