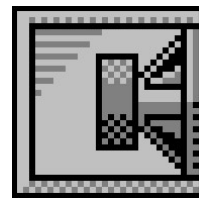


# Custom Closed Box Design

By Mark Carter, Walberswick Studios



## Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 1.222 cu.ft

V(total) = 1.222 cu.ft

Qtc = 0.707

QL = 19.36

F3 = 38.11 Hz

Fill = heavy

## Driver Properties

--Description--

Name: UM12-22

Type: Standard one-way driver

Company: Dayton Audio

--Configuration--

**No. of Drivers = 1**

--Mechanical Parameters--

Fs = 26.2 Hz

Qms = 3.62

Vas = 1.65 cu.ft

Cms = 0.14 mm/N

Mms = 270 g

Rms = 11.99 kg/s

Xmax = 19 mm

Xmech = 28.5 mm

P-Dia = 248.4 mm

Sd = 490.9 sq.cm

P-Vd = 0.921 liters

--Electrical Parameters--

Qes = 0.71

Re = 3.2 ohms

Le = 1.25 mH

Z = 4 ohms

BL = 14.2 Tm

Pe = 600 watts

--Electromech. Parameters--

Qts = 0.59

no = 0.114 %

1-W SPL = 82.72 dB

2.83-V SPL = 86.7 dB

fractions

1/16	1/8	3/16	1/4	5/16	3/8	7/16	1/2	9/16	5/8	11/16	3/4	13/16	7/8	15/16
0.0625	0.1250	0.1875	0.2500	0.3125	0.3750	0.4375	0.5000	0.5625	0.6250	0.6875	0.7500	0.8125	0.8750	0.9375

decimal equivalents



### Wiring Diagram

