



Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 3.656 cu.ft

V(total) = 3.656 cu.ft

Qtc = 0.707

QL = 14.77

F3 = 31.96 Hz

Fill = heavy

Driver Properties

--Description--

Name: Dayton Audio UM18-22 18" Ultim

Type: Standard one-way driver

Company: Dayton

Voice Coil: dual VC 2 ohm each

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 19.5 Hz

Qms = 3.82

Vas = 7.49 cu.ft

Cms = 0.1 mm/N

Mms = 655 g

Rms = 21.37 kg/s

Xmax = 22 mm

Xmech = 33 mm

P-Dia = 394.5 mm

Sd = 1219 sq.cm

P-Vd = 2.688 liters

--Electrical Parameters--

Qes = 0.62

Re = 4.4 ohms

Le = 2.22 mH

Z = 4 ohms

BL = 23.8 Tm

Pe = 1000 watts

--Electromech. Parameters--

Qts = 0.53

no = 0.245 %

1-W SPL = 86.03 dB

2.83-V SPL = 88.6 dB



Wiring Diagram







