



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 3.72 cu.ft

V(total) = 4.035 cu.ft

Fb = 18.8 Hz

QL = 6.339

F3 = 24.53 Hz

Fill = minimal

--Vents--

No. of Vents = 1

Vent shape = round

Vent ends = one flared

Dv = 4 in

Lv = 23.28 in

Driver Properties

--Description--

Name: RSS315HFA-8

Type: Standard one-way driver

Company: Dayton Loudspeaker Co.

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 22.2 Hz

Qms = 2.5

Vas = 97.13 liters

Cms = 0.27 mm/N

Mms = 194 g

Rms = 10.62 kg/s

Xmax = 14.3 mm

Xmech = 21.45 mm

P-Dia = 253.1 mm

Sd = 506.7 sq.cm

P-Vd = 0.72 liters

--Electrical Parameters--

Qes = 0.54

Re = 6.5 ohms

Le = 1.56 mH

Z = 8 ohms

BL = 18 Tm

Pe = 400 watts

--Electromech. Parameters--

Qts = 0.45

no = 0.19 %

1-W SPL = 84.93 dB

2.83-V SPL = 85.7 dB



Wiring Diagram







