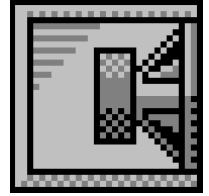


RS180S-8

By Kiyoshi, Baysidenet



Box Properties

--Description--

Name: BassRefrex-1

Type: Vented Box

Shape: Prism, square (optimum)

Company: Dayton Loudspeaker Co.

--Box Parameters--

Vb = 16.27 liters

V(total) = 17.4 liters

Fb = 40.49 Hz

QL = 7

F3 = 47.59 Hz

Fill = minimal

--Vents--

No. of Vents = 1

Vent shape = round

Vent ends = one flush

Dv = 45 mm

Lv = 141.3 mm

Driver Properties

--Description--

Name: 295-364 RS180S-8

Type: Standard one-way driver

Company: Dayton Loudspeaker Co.

Comment: Reference series

Piston: Black anodized aluminum cone.

Suspension: Rubber surround.

Dust Cap: Solid black aluminum phase plug.

Frame: Heavy 6-pole cast frame.

Voice Coil: 1.5 inch voice coil.

Magnetic shielding

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 40.26 Hz

Qms = 1.62

Vas = 24.35 liters

Cms = 1.16 mm/N

Mms = 13.5 g

Rms = 2.104 kg/s

Xmax = 6 mm

Xmech = 9 mm

P-Dia = 125 mm

Sd = 121.6 sq.cm

P-Vd = 0.0729 liters

--Electrical Parameters--

Qes = 0.49

Re = 6.3 ohms

Le = 0.25 mH

Z = 8 ohms

BL = 6.62 Tm

Pe = 60 watts

--Electromech. Parameters--

Qts = 0.38

no = 0.313 %

1-W SPL = 87.1 dB

2.83-V SPL = 88 dB



Wiring Diagram

