

# Diseño de gabinetes acústicos

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## Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

Company: AUDIO SUDAMERICANA

Comment: APLICACION

--Box Parameters--

Vb = 55 liters

V(total) = 66.77 liters

Fb = 44 Hz

QL = 6.882

F3 = 70.73 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 100 mm

Lv = 342.1 mm

## Driver Properties

--Description--

Name: AV 1503

Type: Standard one-way driver

Company: AMERICAN VOX

--Configuration--

**No. of Drivers = 1**

--Mechanical Parameters--

Fs = 32.12 Hz

Qms = 1.7

Vas = 252.5 liters

Cms = 0.25 mm/N

Mms = 95.98 g

Rms = 11.66 kg/s

Xmax = 7 mm

Xmech = 14 mm

P-Dia = 327 mm

Sd = 843.2 sq.cm

P-Vd = 0.59 liters

--Electrical Parameters--

Qes = 0.274

Re = 6.24 ohms

Z = 7.488 ohms

BL = 21 Tm

Pe = 300 watts

--Electromech. Parameters--

Qts = 0.236

no = 2.953 %

1-W SPL = 96.72 dB

2.83-V SPL = 97.93 dB

### Wiring Diagram







