

# Diseño de gabinetes acústicos

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## Box Properties

--Description--

Name: BASS REFLEX FRONTAL

Type: Vented Box

Shape: Prism, square

Company: AUDIO SUDAMERICANA

Comment: APLICACION SUGERIDA

--Box Parameters--

Vb = 25 liters

V(total) = 28.88 liters

Fb = 79 Hz

QL = 7

F3 = 75.94 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = other

Vent ends = one flush

Av = 50 sq.cm

Lv = 105.4 mm

## Driver Properties

--Description--

Name: AV 850

Type: Standard one-way driver

Company: AMERICAN VOX

--Configuration--

**No. of Drivers = 2**

Mounting = Standard

Wiring = Series

Drivers sum coherently = Yes

--Mechanical Parameters--

Fs = 71.67 Hz

Qms = 4.826

Vas = 12.09 liters [24.17]

Cms = 0.186 mm/N [0.093]

Mms = 26.49 g [52.98]

Rms = 2.474 kg/s [4.948]

Xmax = 5 mm

Xmech = 10 mm

P-Dia = 165 mm [233.3]

Sd = 213.9 sq.cm [427.8]

P-Vd = 0.107 liters [0.214]

--Electrical Parameters--

Qes = 0.297

Re = 5.9 ohms [11.8]

Z = 7.08 ohms [14.16]

BL = 15.39 Tm [30.79]

Pe = 200 watts [400]

--Electromech. Parameters--

Qts = 0.28

no = 1.45 % [2.9]

1-W SPL = 93.62 dB [96.63]

2.83-V SPL = 95.08 dB [95.08]

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



