

Custom Vented Box Design

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Box Properties

--Description--

Name: Bass reflex
Type: Vented Box
Shape: Prism, square
Company: Audio Sudamericana

--Box Parameters--

Vb = 45 liters
V(total) = 51.34 liters
Fb = 48 Hz
QL = 6.911
F3 = 59.03 Hz
Fill = normal

--Vents--

No. of Vents = 1
Vent shape = other
Vent ends = one flush
Av = 100 sq.cm
Lv = 177.4 mm

Driver Properties

--Description--

Name: AV 12C-75
Type: Standard one-way driver
Company: Audio Sudamericana

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 47.33 Hz
Qms = 16.65
Vas = 66.69 liters
Cms = 0.167 mm/N
Mms = 67.7 g
Rms = 1.209 kg/s
Xmax = 6.83 mm
Xmech = 12.3 mm
P-Dia = 259.8 mm
Sd = 0.053 sq.m
P-Vd = 0.362 liters

--Electrical Parameters--

Qes = 0.377
Re = 6.395 ohms
Z = 7.416 ohms
BL = 18.47 Tm

--Electromech. Parameters--

Qts = 0.369
no = 1.809 %
1-W SPL = 94.72 dB
2.83-V SPL = 95.69 dB

Wiring Diagram





