

Diseño de gabinetes acústicos

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Box Properties

--Description--

Name: REFLECTOR DE BAJOS FRONTAL

Type: Vented Box

Shape: Prism, square (optimum)

Company: AUDIO SUDAMERICANA

Comment: APLICACION SUGERIDA

--Box Parameters--

Vb = 100 liters

V(total) = 121.4 liters

Fb = 45 Hz

QL = 6.87

F3 = 46.82 Hz

Fill = minimal

--Vents--

No. of Vents = 1

Vent shape = other

Vent ends = one flush

Av = 380 sq.cm

Lv = 366.4 mm

Driver Properties

--Description--

Name: AV 1505

Type: Standard one-way driver

Company: AUDIO SUDAMERICANA

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 38 Hz

Qms = 7.7

Vas = 152.5 liters

Cms = 0.143 mm/N

Mms = 122.5 g

Rms = 3.804 kg/s

Xmax = 8 mm

Xmech = 16 mm

P-Dia = 332.2 mm

Sd = 866.5 sq.cm

P-Vd = 0.693 liters

--Electrical Parameters--

Qes = 0.29

Re = 5.25 ohms

Z = 6.3 ohms

BL = 23.01 Tm

Pe = 700 watts

--Electromech. Parameters--

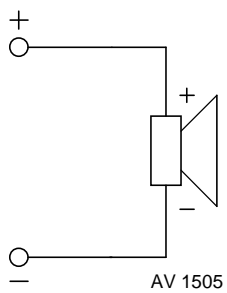
Qts = 0.28

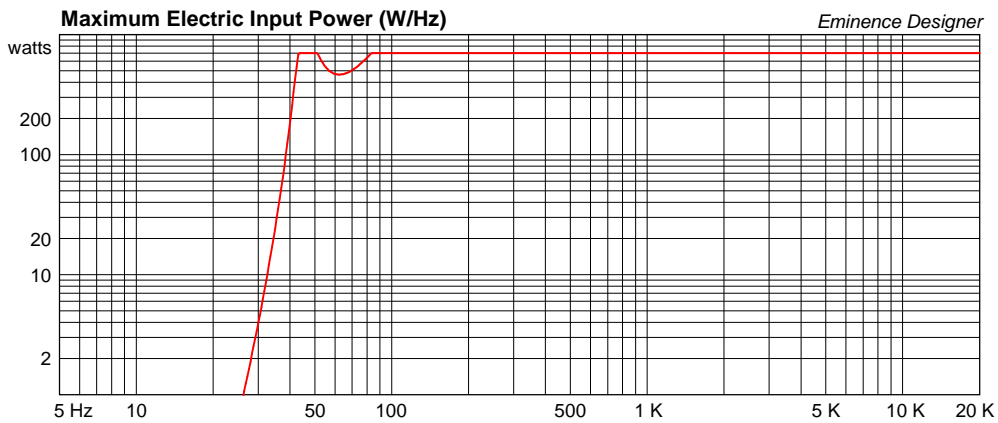
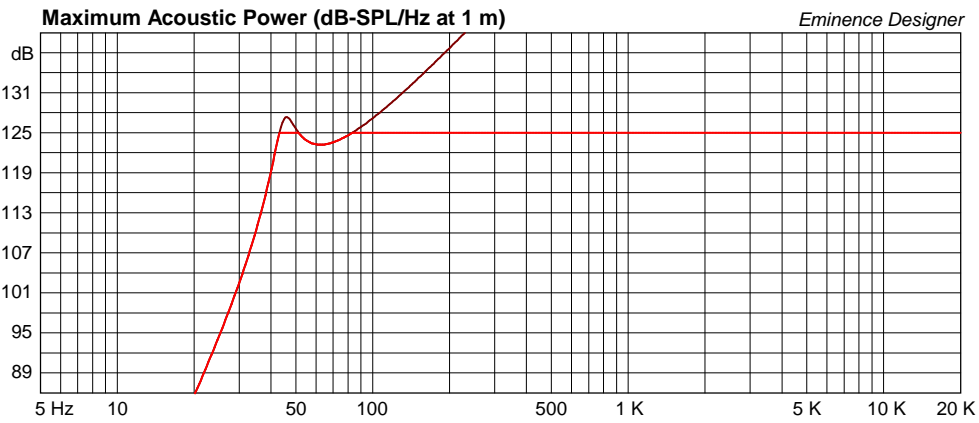
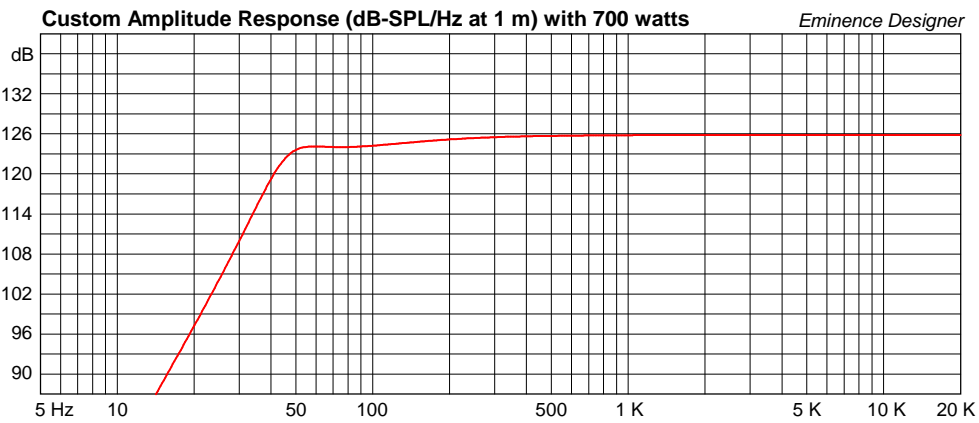
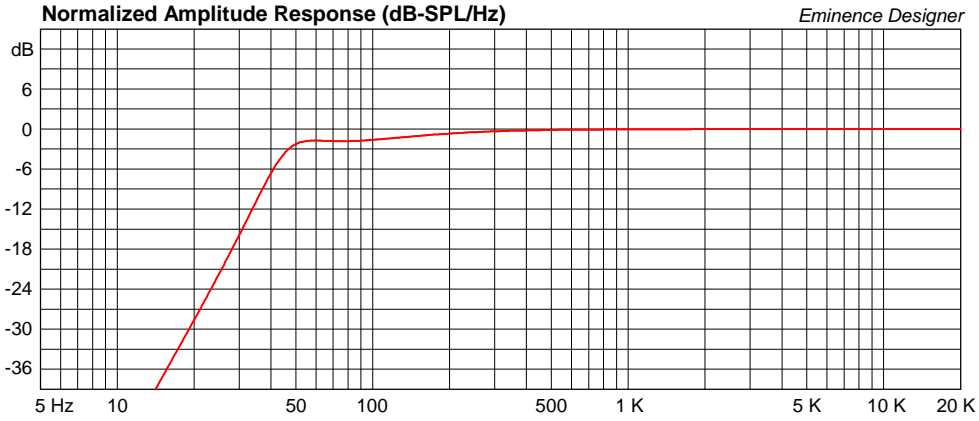
no = 2.8 %

1-W SPL = 96.59 dB

2.83-V SPL = 98.45 dB

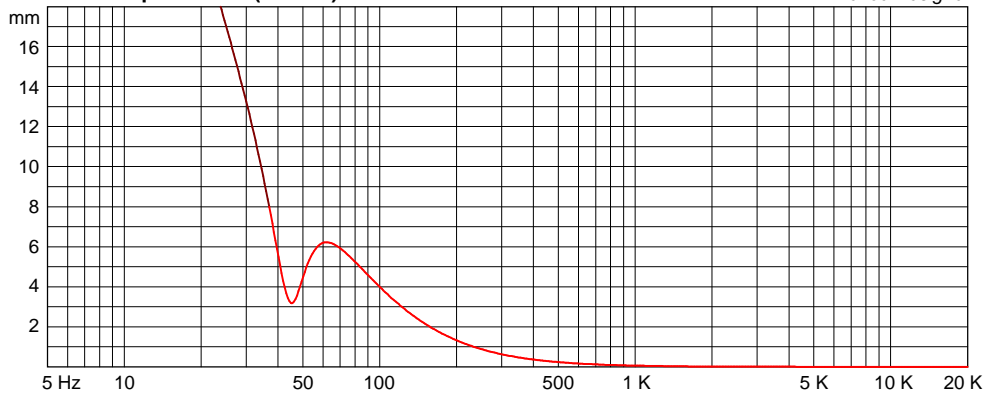
Wiring Diagram





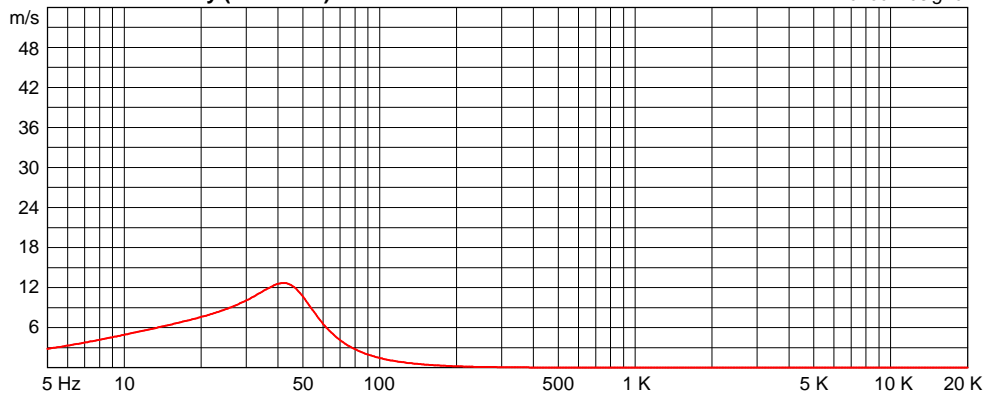
Cone Displacement (mm/Hz) with 700 watts

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Vent Air Velocity (m/sec/Hz) with 700 watts

Eminence Designer



System Impedance (ohms/Hz)

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