

# HL-10C Med Vented Subwoofer Cabinet

By Jerry McNutt, Eminence Speaker LLC

Thermally Limited to 300 Watts; F3 of 38 Hz. Use a steep high pass filter set to 30 Hz to protect woofer from overexcursion.

## Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 2 cu.ft

V(total) = 2.325 cu.ft

Fb = 42 Hz

QL = 7

F3 = 37.8 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 15.21 in

## Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 43.5 Hz

Qms = 2.8

Vas = 19.8 liters

Xmax = 11.1 mm

Sd = 334.5 sq.cm

Qes = 0.32

Re = 3.7 ohms

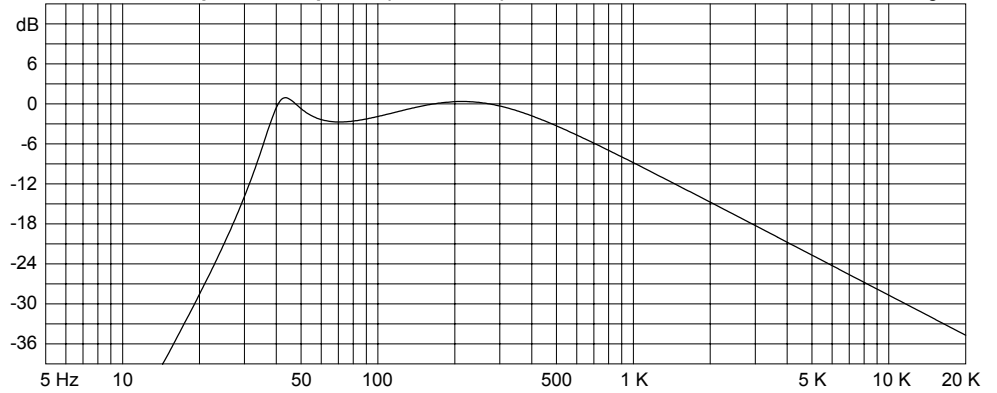
Le = 1.6 mH

Z = 4 ohms

Pe = 300 watts

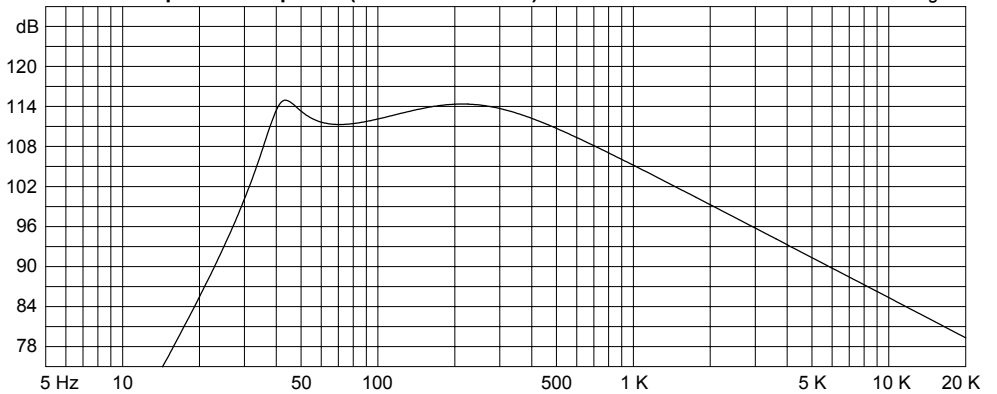
Normalized Amplitude Response (dB-SPL/Hz)

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Custom Amplitude Response (dB-SPL/Hz at 1 m) with 300 watts

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Maximum Acoustic Power (dB-SPL/Hz at 1 m)

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