

KappaLite 3010HO Small Sealed Midrange

By Jerry McNutt, Eminence Speaker LLC
Limit to 300 Watts. For use at or above 400 Hz.
High Output Sealed Midrange.



Box Properties

--Description--

Name:
Type: Closed Box
Shape: Prism, square

--Box Parameters--

Vb = 12 liters
V(total) = 12 liters
Qtc = 0.443
QL = 20
F3 = 198 Hz
Fill = heavy

Driver Properties

--Description--

Name: KappaLite 3010HO
Type: Standard one-way driver
Company: Eminence Speaker LLC
Comment: High Power Neo Midrange

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

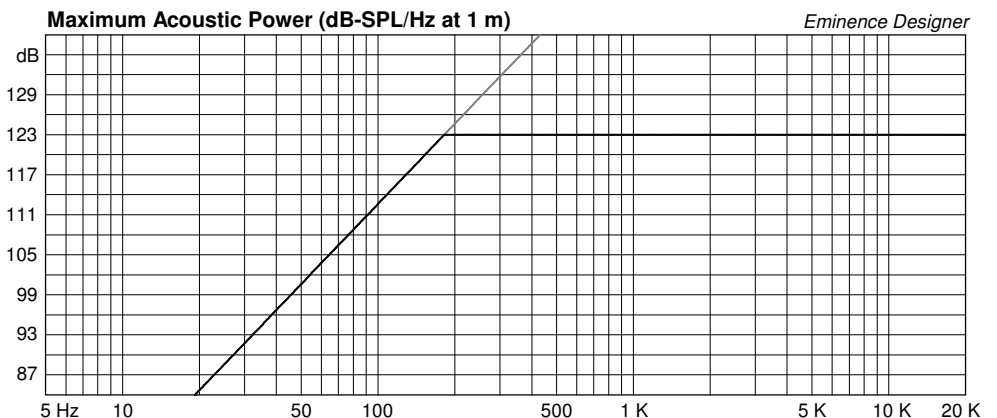
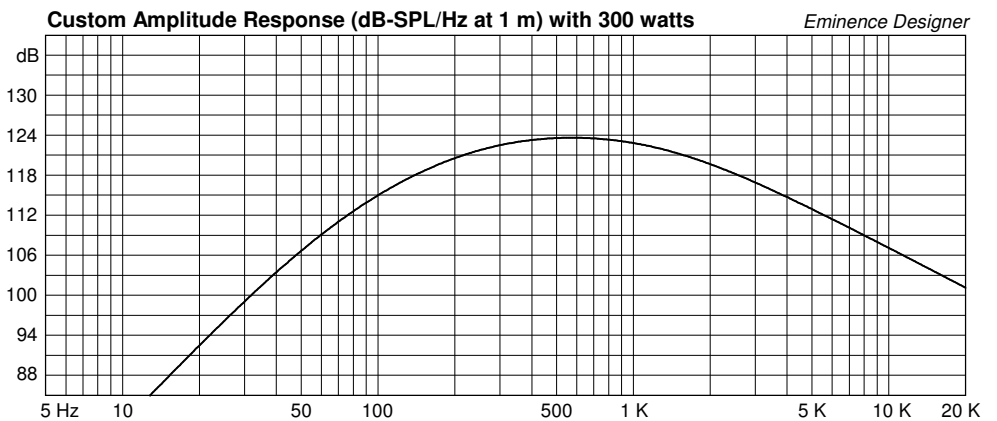
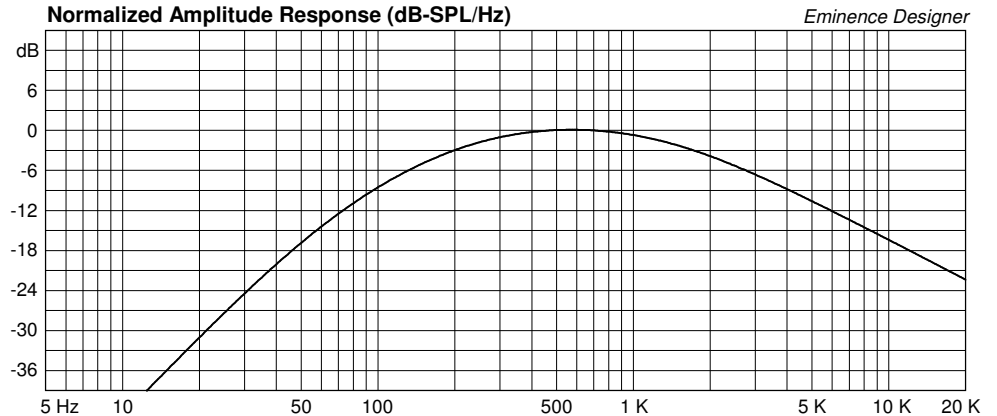
Fs = 61.38 Hz
Qms = 9.93
Vas = 37.21 liters
Cms = 0.2 mm/N
Mms = 33.98 g
Rms = 1.32 kg/s
Xmax = 4.43 mm
Xmech = 7.5 mm
P-Dia = 214.7 mm
Sd = 366.1 sq.cm
P-Vd = 0.16 liters

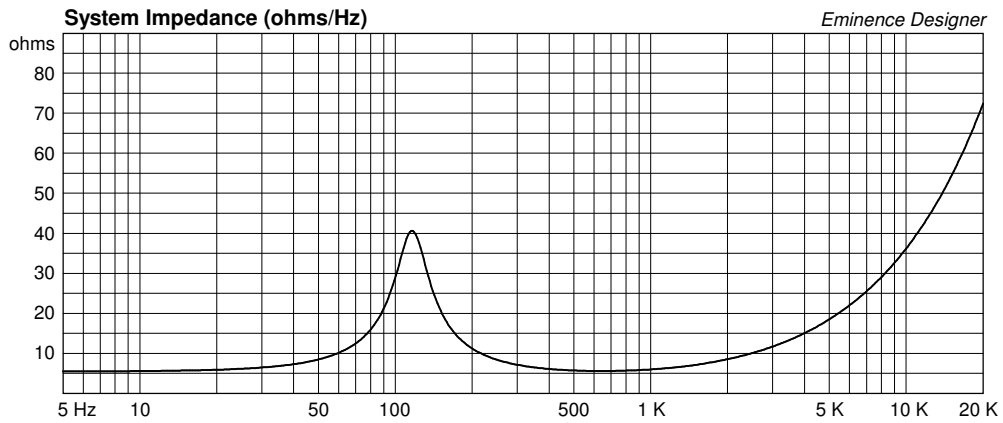
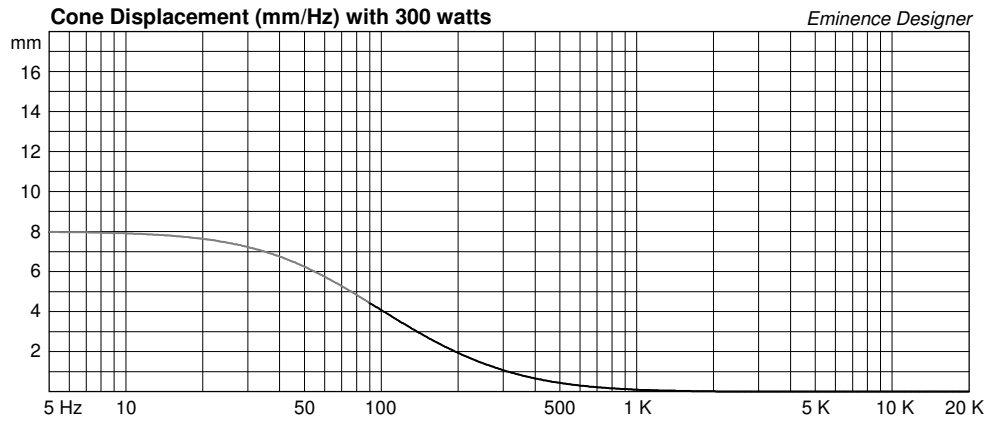
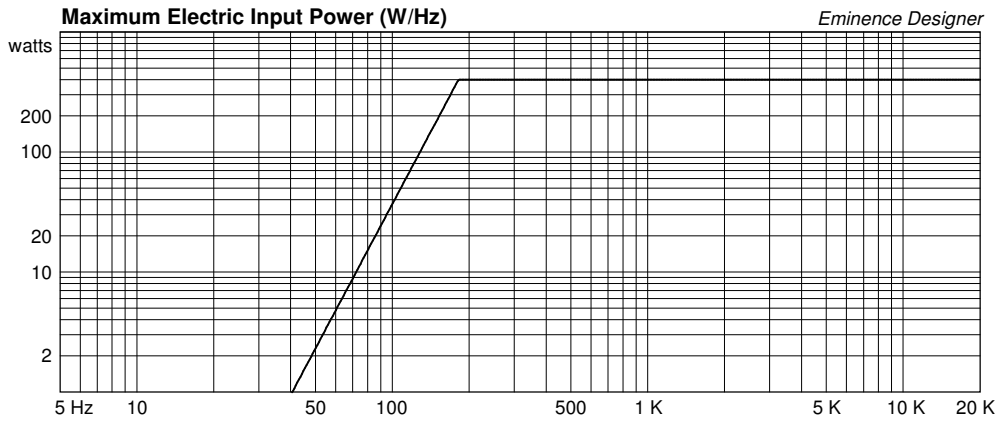
--Electrical Parameters--

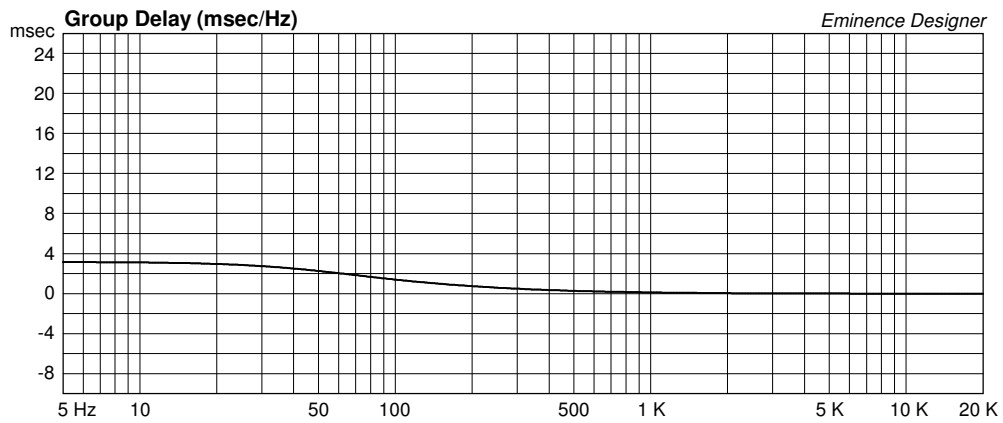
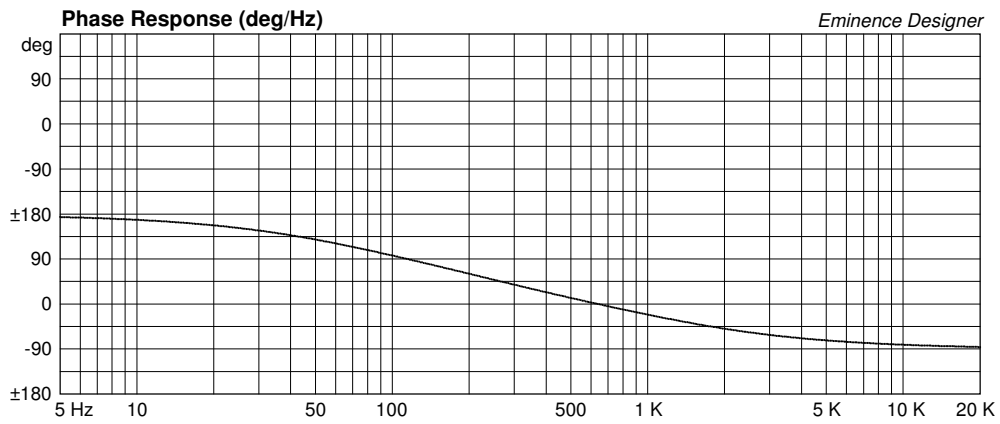
Qes = 0.27
Re = 5.46 ohms
Le = 0.57 mH
Z = 8 ohms
BL = 16.27 Tm
Pe = 400 watts

--Electromech. Parameters--

Qts = 0.263
no = 3.073 %
1-W SPL = 97.02 dB
2.83-V SPL = 98.68 dB







KappaLite 3010HO High Power Vented Midrange

By Jerry McNutt, Eminence Speaker LLC

400 Watts. Use at or above 400 Hz.

Place one port below and one above the driver to promote air flow.



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 16 liters

V(total) = 18.35 liters

Fb = 100 Hz

QL = 7

F3 = 107.6 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = two flush

Dv = 2.209 in

Lv = 0.75 in

Driver Properties

--Description--

Name: KappaLite 3010HO

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: High Power Neo Midrange

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 61.38 Hz

Qms = 9.93

Vas = 37.21 liters

Cms = 0.2 mm/N

Mms = 33.98 g

Rms = 1.32 kg/s

Xmax = 4.43 mm

Xmech = 7.5 mm

P-Dia = 214.7 mm

Sd = 366.1 sq.cm

P-Vd = 0.16 liters

--Electrical Parameters--

Qes = 0.27

Re = 5.46 ohms

Le = 0.57 mH

Z = 8 ohms

BL = 16.27 Tm

Pe = 400 watts

--Electromech. Parameters--

Qts = 0.263

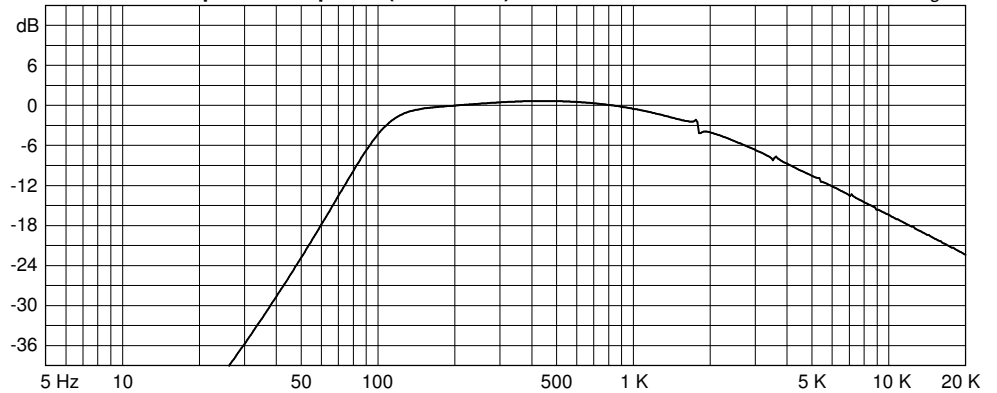
no = 3.073 %

1-W SPL = 97.02 dB

2.83-V SPL = 98.68 dB

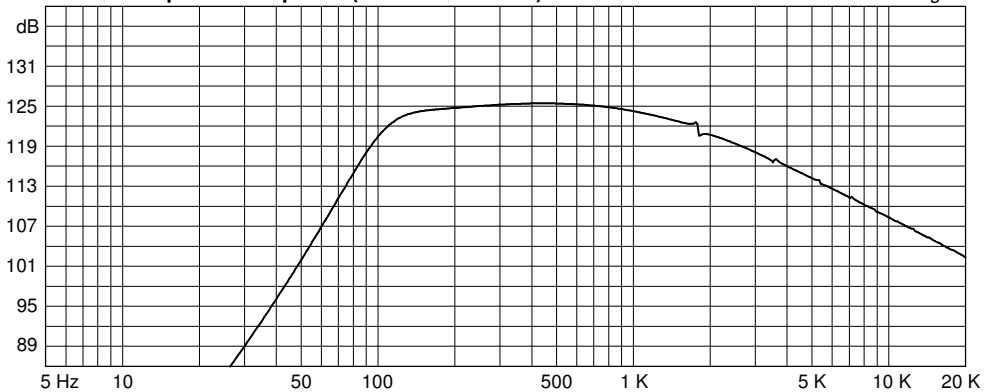
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



Custom Amplitude Response (dB-SPL/Hz at 1 m) with 400 watts

Eminence Designer



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

Eminence Designer

