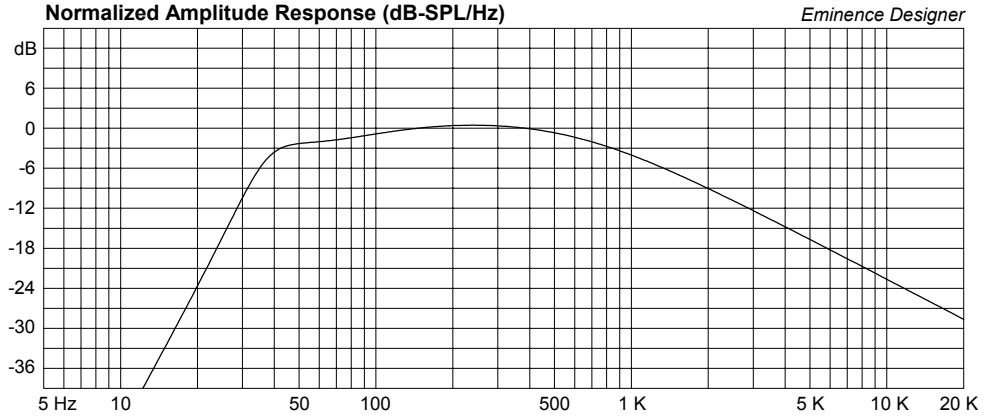
# KappaPro15LF-2, Ext Bass Shelf, Med Power

By McJerry, Eminence Speaker LLC
Displacement Limited to 300 Watts; F3 of 42 Hz. Use a steep High Pass filter set to 35 Hz or higher to protect driver from overexcursion.

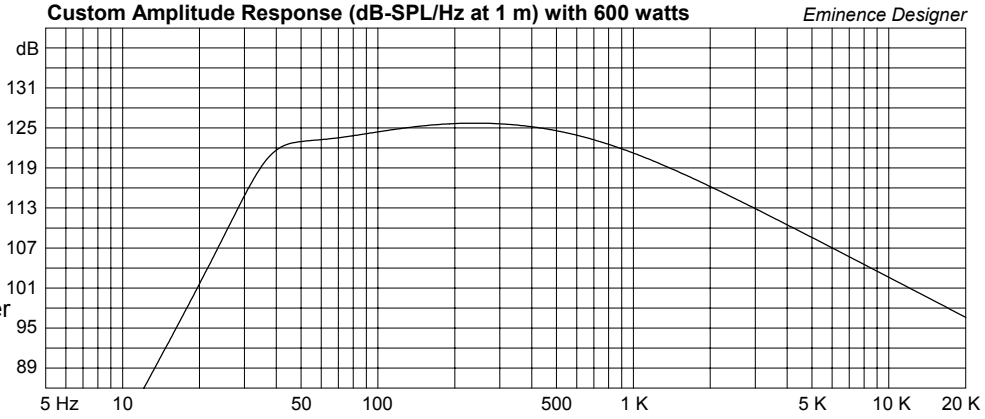
## Box Properties

*--Description--*
Name:
Type: Vented Box
Shape: Prism, square
*--Box Parameters--*
Vb = 5.2 cu.ft
V(total) = 5.713 cu.ft
Fb = 38 Hz
QL = 7
F3 = 42.31 Hz
Fill = minimal
*--Vents--*
No. of Vents = 4
Vent shape = round
Vent ends = one flush
Dv = 4 in
Lv = 13.11 in

**Normalized Amplitude Response (dB-SPL/Hz)** *Eminence Designer*



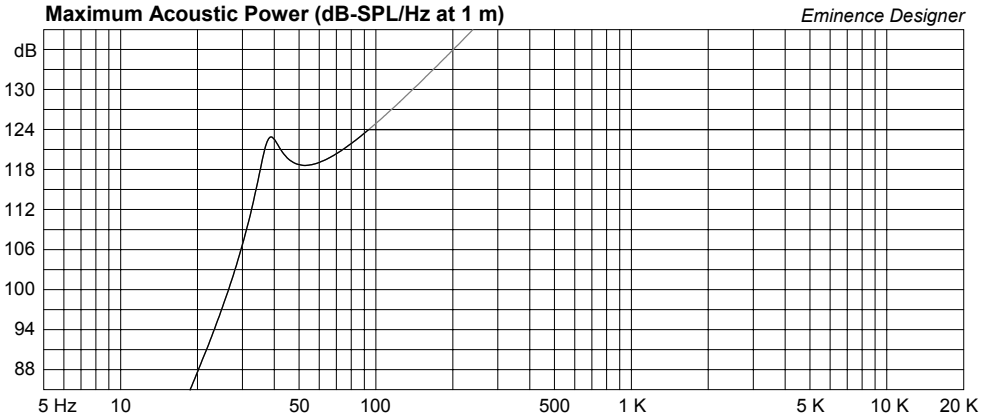

**Custom Amplitude Response (dB-SPL/Hz at 1 m) with 600 watts** *Eminence Designer*




## Driver Properties

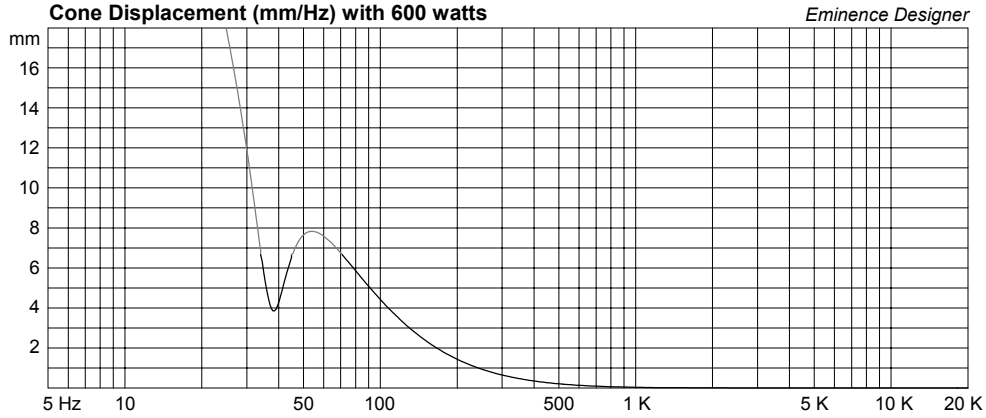
*--Description--*
Name: Kappa Pro-15LF-2
Type: Standard one-way driver
Company: Eminence Speaker LLC
Comment: Revised MAR 2007
Piston: Paper cone.
Suspension: Rolled cone edge surround.
Dust Cap: Paper dust cap.
Frame: Diecast aluminum basket.
Voice Coil: 3 inch (76.2 mm) Kapton former
Magnet: 95 oz ferrite magnet.
*--Configuration--*
**No. of Drivers = 1**
*--Driver Parameters--*
Fs = 35 Hz
Qms = 7.3
Vas = 7.021 cu.ft
Xmax = 0.263 in
Sd = 132.7 sq.in
Qes = 0.32
Re = 6.5 ohms
Le = 1.4 mH
Z = 8 ohms
Pe = 600 watts

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



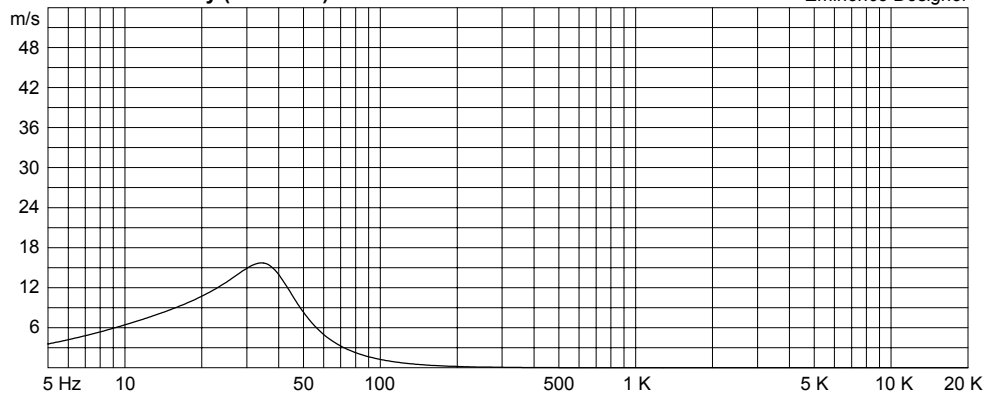
**Cone Displacement (mm/Hz) with 600 watts**

*Eminence Designer*



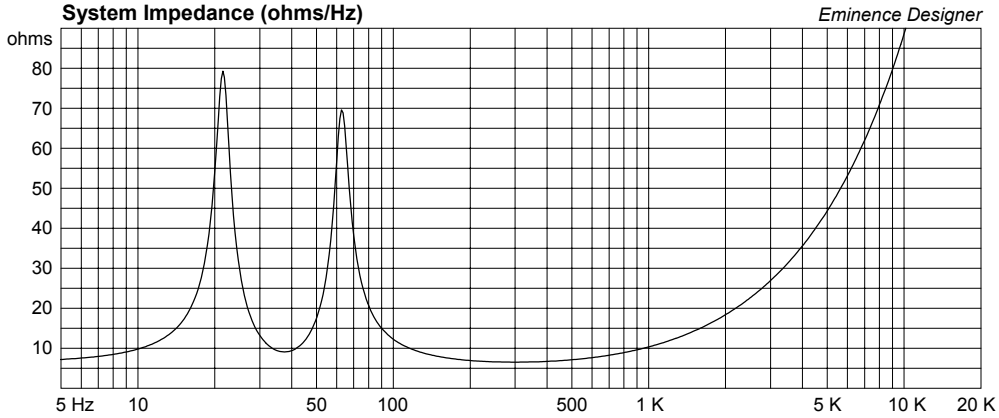

**Vent Air Velocity (m/sec/Hz) with 600 watts**

*Eminence Designer*




**System Impedance (ohms/Hz)**

*Eminence Designer*



# Kappa Pro 15LF-2, Med Vented Box, Med Power

By McJerry, Eminence Speaker LLC
Displacement limited to 400 watts; F3 of 47Hz. Must use a steep high pass filter set to 40 Hz or higher to protect driver. Locate port symetrically.

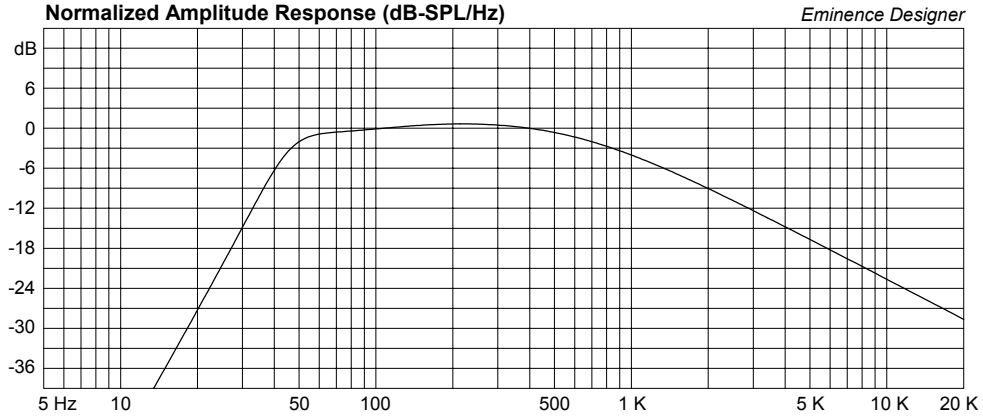
## Box Properties

*--Description--*
Name:
Type: Vented Box
Shape: Prism, square
*--Box Parameters--*
Vb = 3.9 cu.ft
V(total) = 4.104 cu.ft
Fb = 45 Hz
QL = 7
F3 = 46.52 Hz
Fill = minimal
*--Vents--*
No. of Vents = 4
Vent shape = round
Vent ends = one flush
Dv = 3 in
Lv = 5.793 in

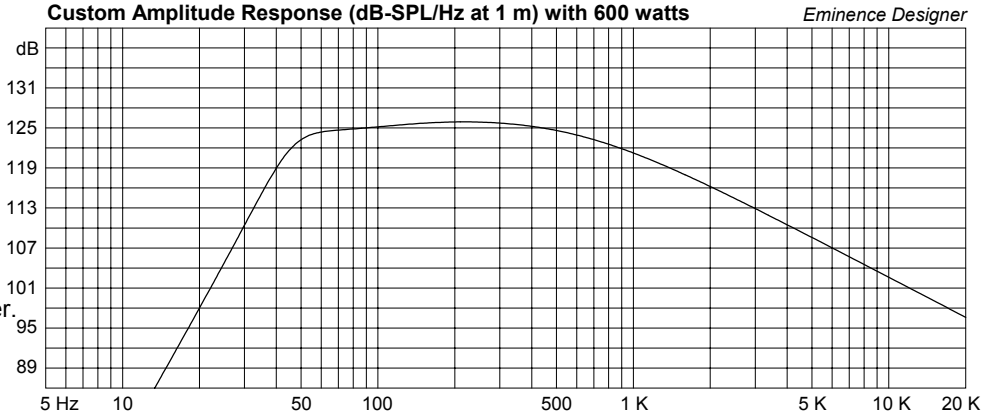
## Driver Properties

*--Description--*
Name: Kappa Pro-15LF-2
Type: Standard one-way driver
Company: Eminence Speaker LLC
Comment: Revised MAR 2007
Piston: Paper cone.
Suspension: Rolled cone edge surround.
Dust Cap: Solid paper dust cap
Frame: Diecast aluminum basket.
Voice Coil: 3 inch (76.2 mm) Kapton former.
Magnet: 95 oz ferrite magnet.
*--Configuration--*
**No. of Drivers = 1**
*--Driver Parameters--*
Fs = 35 Hz
Qms = 7.3
Vas = 7.021 cu.ft
Xmax = 0.263 in
Sd = 132.7 sq.in
Qes = 0.32
Re = 6.5 ohms
Le = 1.4 mH
Z = 8 ohms
Pe = 600 watts

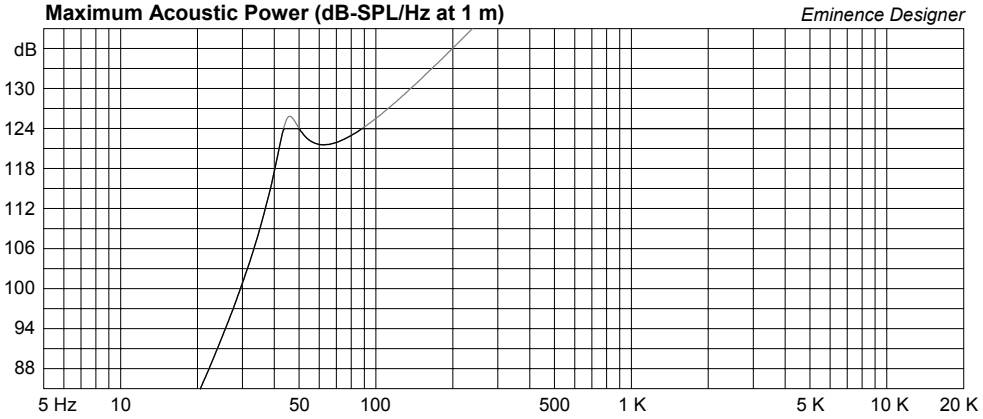
**Normalized Amplitude Response (dB-SPL/Hz)** *Eminence Designer*




**Custom Amplitude Response (dB-SPL/Hz at 1 m) with 600 watts** *Eminence Designer*

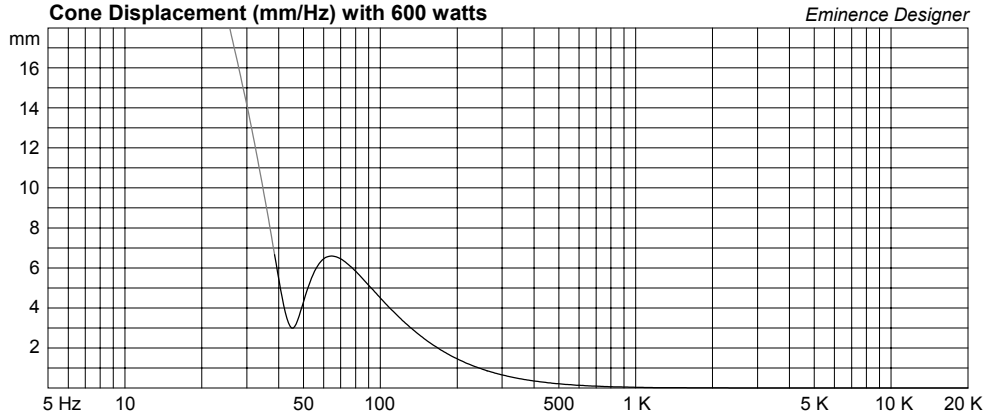



**Maximum Acoustic Power (dB-SPL/Hz at 1 m)** *Eminence Designer*



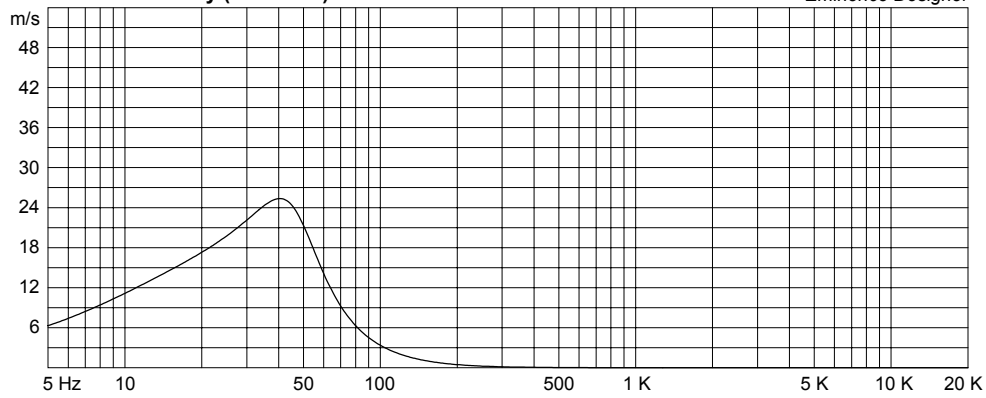
**Cone Displacement (mm/Hz) with 600 watts**

*Eminence Designer*



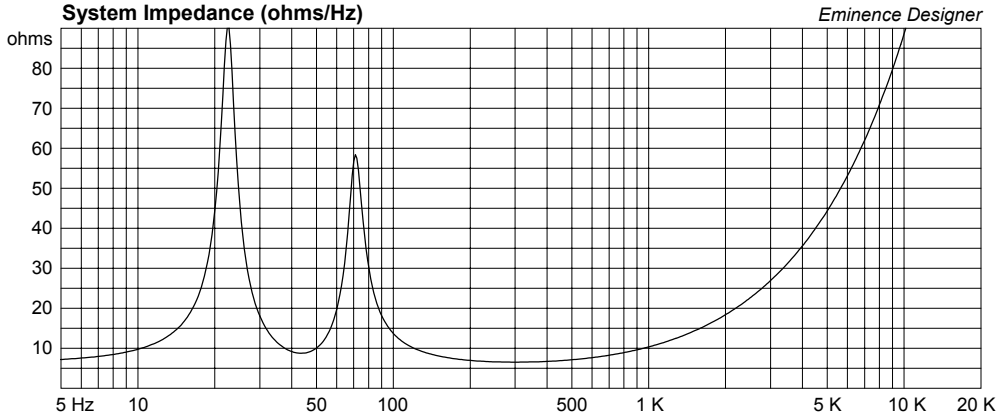

**Vent Air Velocity (m/sec/Hz) with 600 watts**

*Eminence Designer*




**System Impedance (ohms/Hz)**

*Eminence Designer*



# Kappa Pro 15LF-2 Max Power Box

By McJerry, Eminence Speaker LLC

Displacement and thermally limited to 600 watts; F3 of 56Hz  Must use a 24 dB per octave high pass filter set to 35 Hz or higher to protect driver. Locate Ports Symetrically.

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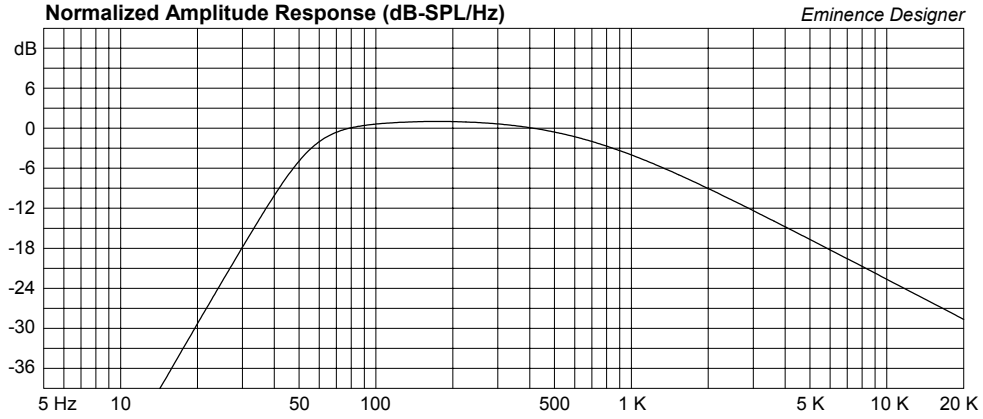
## Box Properties

*--Description--*
Name:
Type: Vented Box
Shape: Prism, square
*--Box Parameters--*
Vb = 2.5 cu.ft
V(total) = 2.755 cu.ft
Fb = 50 Hz
QL = 7
F3 = 55.75 Hz
Fill = minimal
*--Vents--*
No. of Vents = 4
Vent shape = round
Vent ends = one flush
Dv = 3 in
Lv = 8.438 in

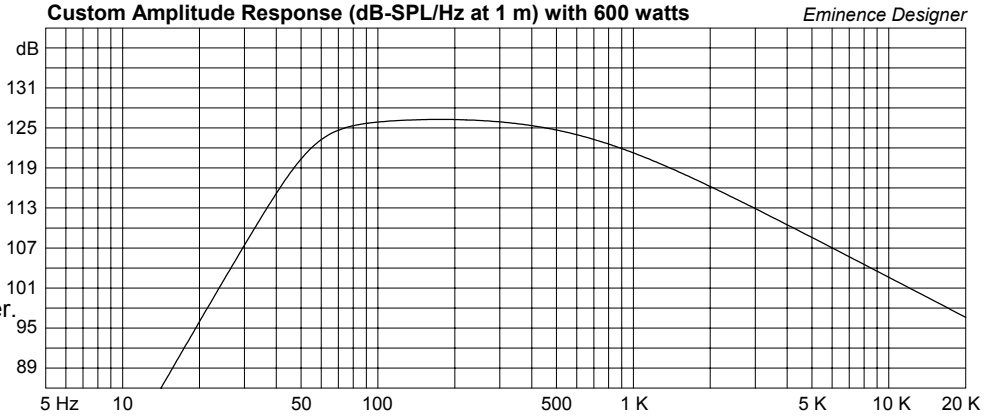
## Driver Properties

*--Description--*
Name: Kappa Pro-15LF-2
Type: Standard one-way driver
Company: Eminence Speaker LLC
Comment: Revised MAR 2007
Piston: Paper cone.
Suspension: Rolled cone edge surround.
Dust Cap: Paper
Frame: Diecast aluminum basket.
Voice Coil: 3 inch (76.2 mm) Kapton former.
Magnet: 95 oz ferrite magnet.
*--Configuration--*
**No. of Drivers = 1**
*--Driver Parameters--*
Fs = 35 Hz
Qms = 7.3
Vas = 7.021 cu.ft
Xmax = 0.263 in
Sd = 132.7 sq.in
Qes = 0.32
Re = 6.5 ohms
Le = 1.4 mH
Z = 8 ohms
Pe = 600 watts

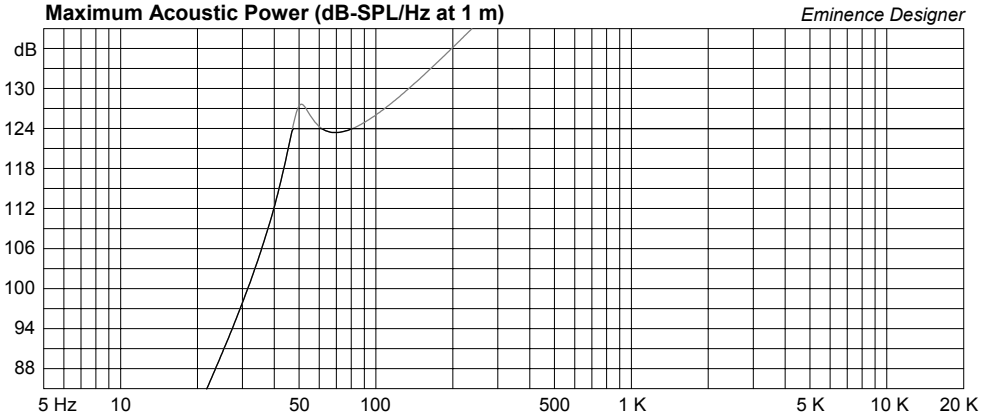
**Normalized Amplitude Response (dB-SPL/Hz)** *Eminence Designer*




**Custom Amplitude Response (dB-SPL/Hz at 1 m) with 600 watts** *Eminence Designer*

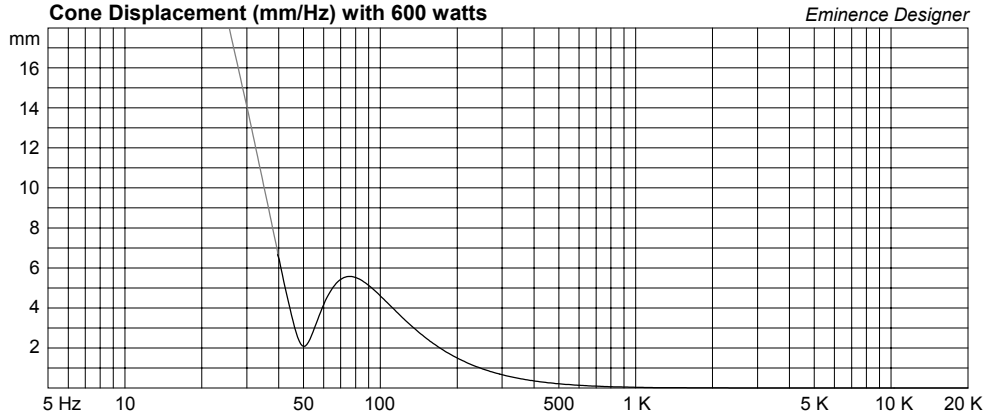



**Maximum Acoustic Power (dB-SPL/Hz at 1 m)** *Eminence Designer*



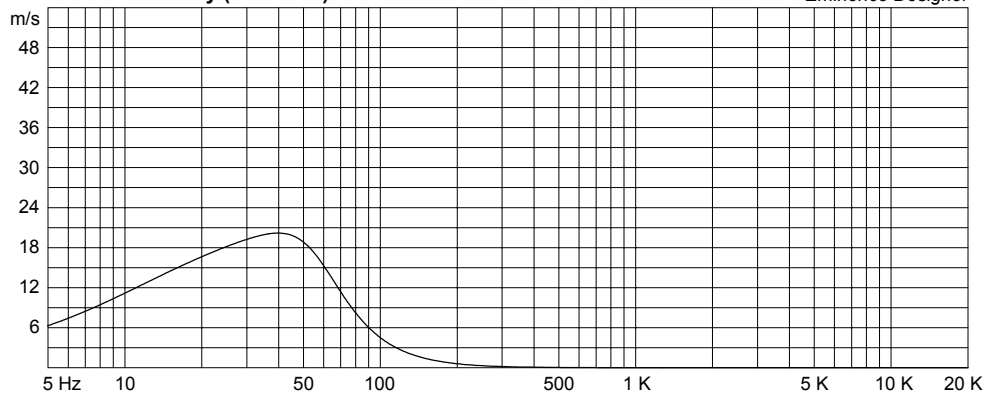
**Cone Displacement (mm/Hz) with 600 watts**

*Eminence Designer*




**Vent Air Velocity (m/sec/Hz) with 600 watts**

*Eminence Designer*




**System Impedance (ohms/Hz)**

*Eminence Designer*