

DeltaPro-12-450-4 Small Vented MidBass Box

By Tom James, Eminence Speaker LLC

450 Watts; F3 of 81 Hz. Use a steep high pass filter at 75 Hz or higher.

Not for Full Range Use. Use above 75 Hz only.



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 1.2 cu.ft

V(total) = 1.442 cu.ft

Fb = 70 Hz

QL = 7

F3 = 80.5 Hz

Fill = normal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 6.78 in

Driver Properties

--Description--

Name: DeltaPro-450-4

Type: Standard one-way driver

Company: Eminence Speaker USA

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 45.2 Hz

Qms = 7.97

Vas = 137.7 liters

Cms = 0.35 mm/N

Mms = 35.8 g

Rms = 1.28 kg/s

Xmax = 5.2 mm

Xmech = 7.8 mm

P-Dia = 258.9 mm

Sd = 532.4 sq.cm

P-Vd = 0.272 liters

--Electrical Parameters--

Qes = 0.41

Re = 3.6 ohms

Le = 0.45 mH

Z = 4 ohms

BL = 9.51 Tm

Pe = 450 watts

--Electromech. Parameters--

Qts = 0.39

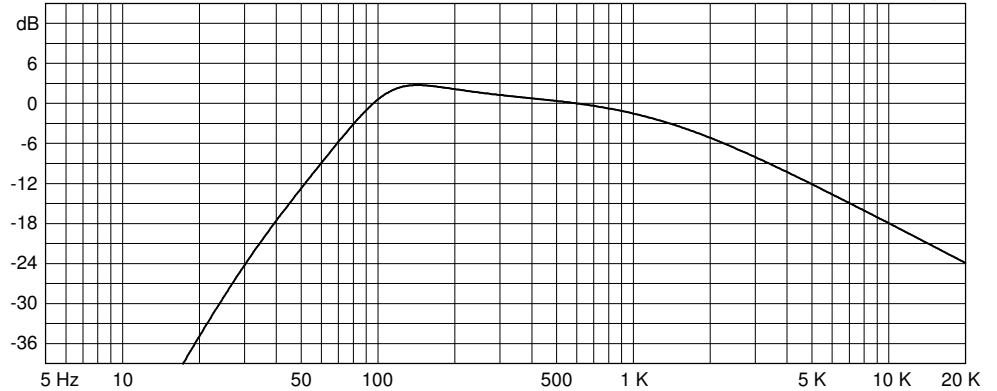
no = 2.991 %

1-W SPL = 97.4 dB

2.83-V SPL = 100.4 dB

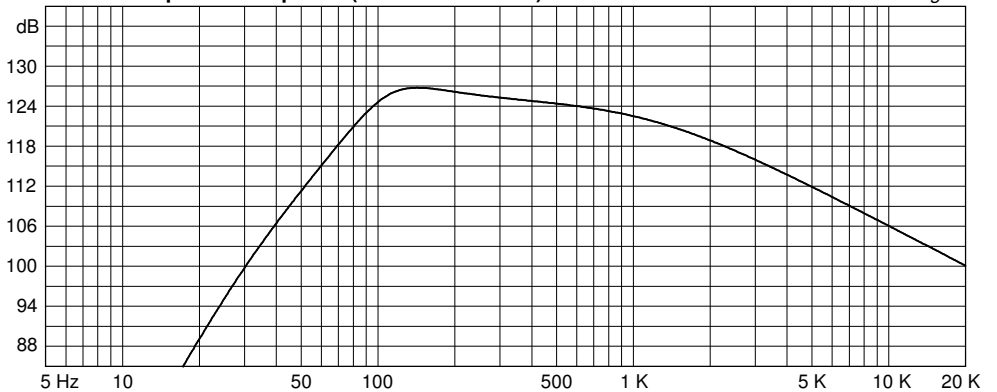
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



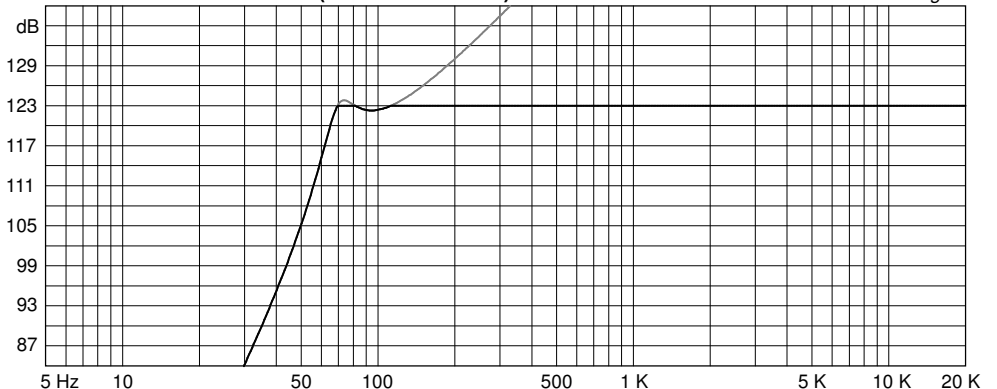
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 450 watts

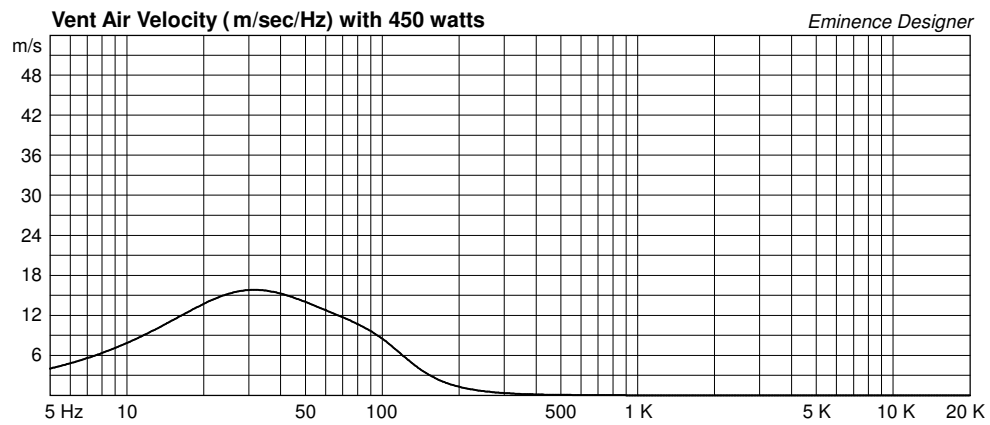
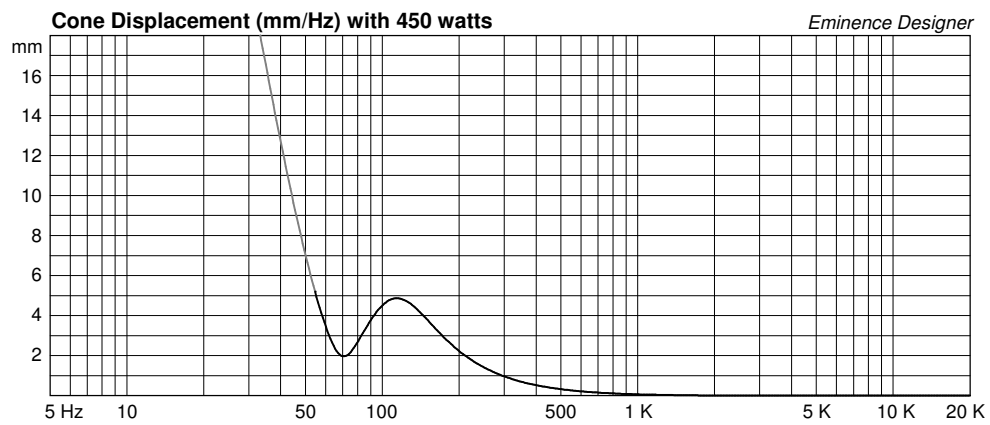
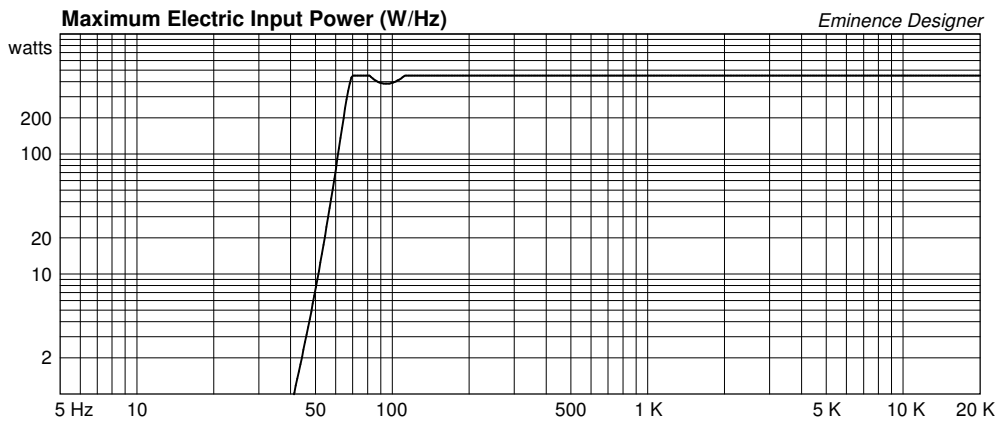
Eminence Designer

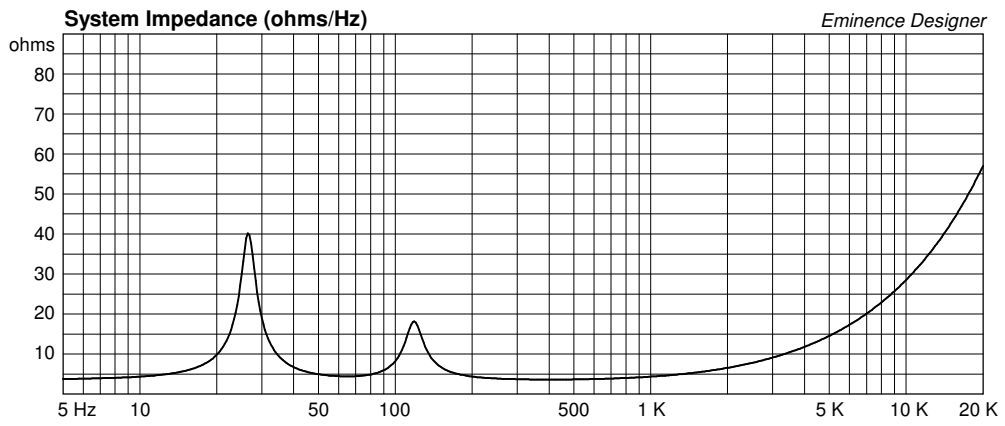


Maximum Acoustic Power (dB-SPL/Hz at 1 m)

Eminence Designer







DeltaPro-12-450-4 Med Vented Woofer

By Tom James, Eminence Speaker LLC
350 Watts; F3 of 68 Hz. Use a steep high pass filter at 50 Hz or higher.



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 1.95 cu.ft

V(total) = 2.134 cu.ft

Fb = 66 Hz

QL = 7

F3 = 67.54 Hz

Fill = normal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 3.23 in

Driver Properties

--Description--

Name: DeltaPro-450-4

Type: Standard one-way driver

Company: Eminence Speaker USA

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 45.2 Hz

Qms = 7.97

Vas = 137.7 liters

Cms = 0.35 mm/N

Mms = 35.8 g

Rms = 1.28 kg/s

Xmax = 5.2 mm

Xmech = 7.8 mm

P-Dia = 258.9 mm

Sd = 532.4 sq.cm

P-Vd = 0.272 liters

--Electrical Parameters--

Qes = 0.41

Re = 3.6 ohms

Le = 0.45 mH

Z = 4 ohms

BL = 9.51 Tm

Pe = 450 watts

--Electromech. Parameters--

Qts = 0.39

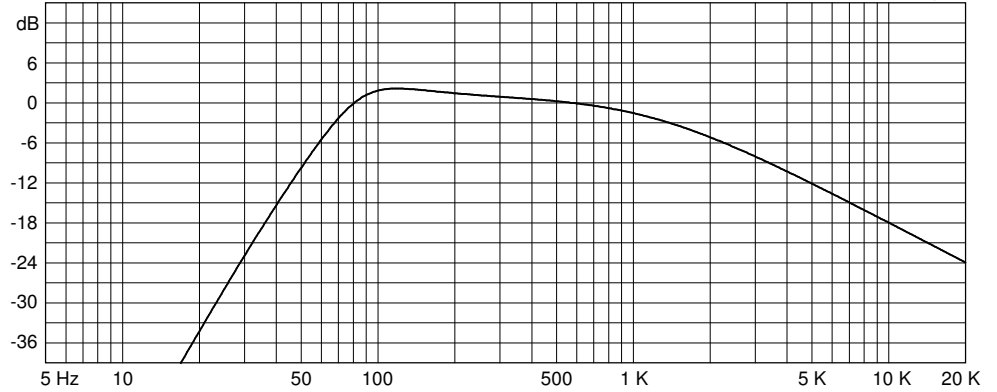
no = 2.991 %

1-W SPL = 97.4 dB

2.83-V SPL = 100.4 dB

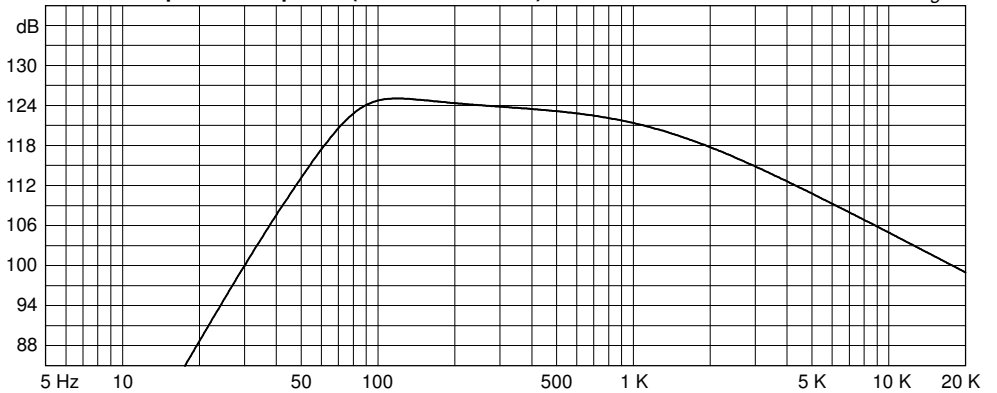
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



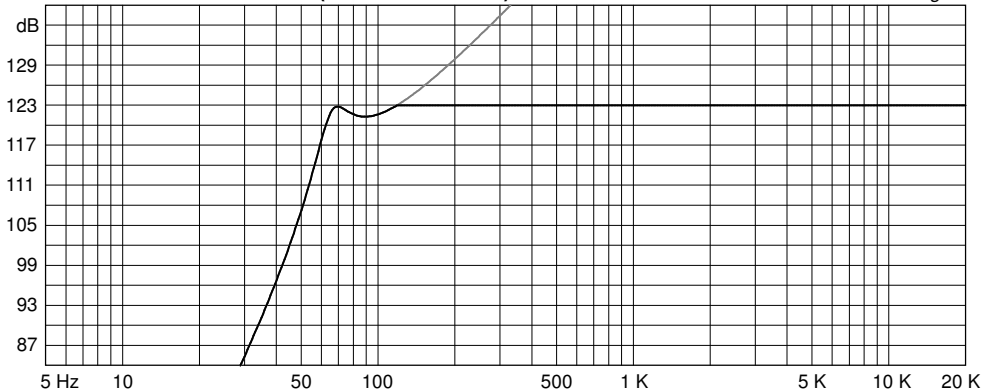
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 350 watts

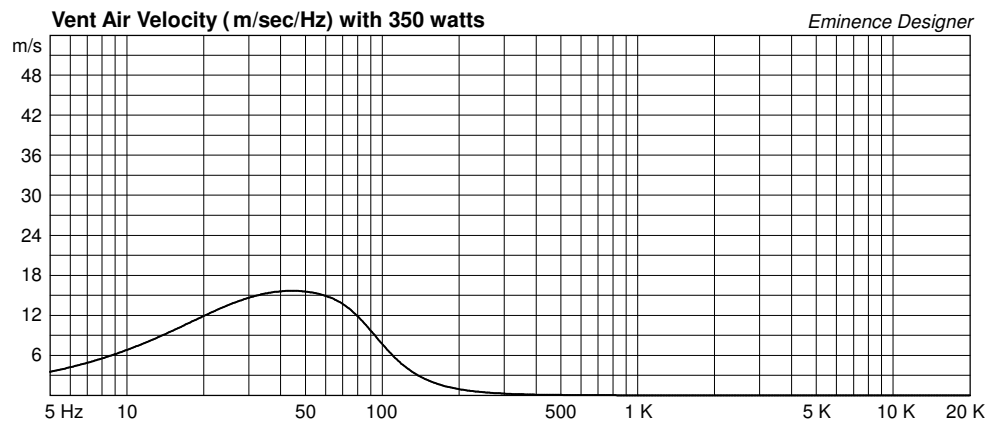
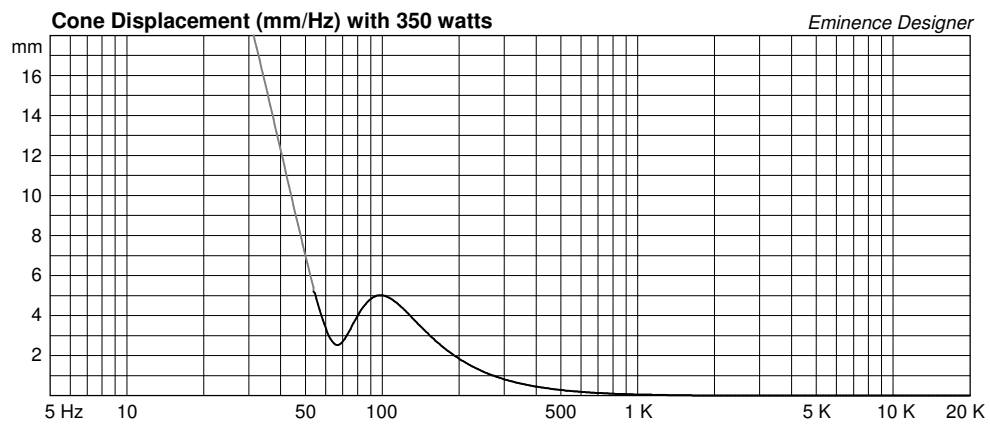
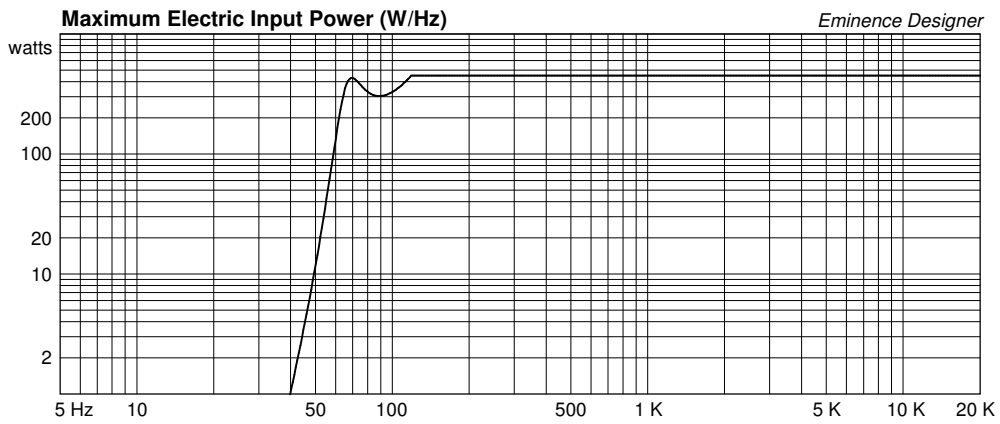
Eminence Designer

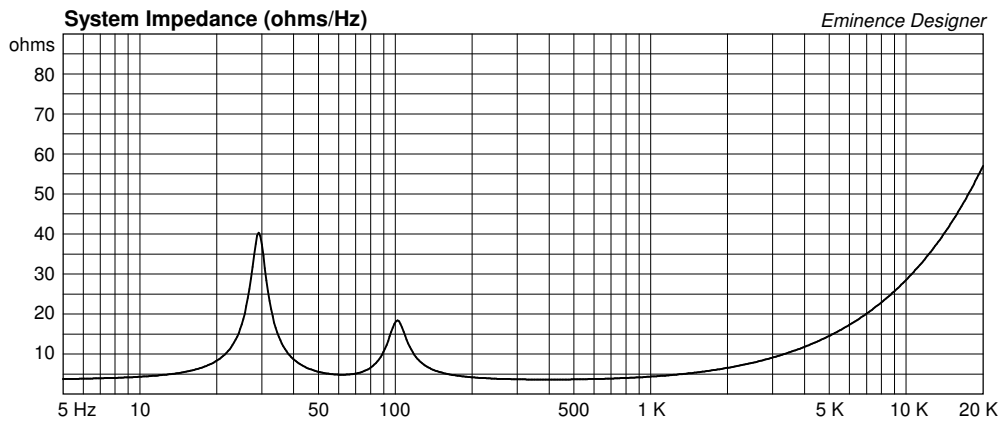


Maximum Acoustic Power (dB-SPL/Hz at 1 m)

Eminence Designer







DeltaPro-12-450-4 Large Vented Woofer Box

By Tom James, Eminence Speaker LLC

225 Watts; F3 of 54 Hz. Use a steep high pass filter at 45 Hz or higher.



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 3.5 cu.ft

V(total) = 3.658 cu.ft

Fb = 55 Hz

QL = 7

F3 = 54.06 Hz

Fill = normal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 1.651 in

Driver Properties

--Description--

Name: DeltaPro-450-4

Type: Standard one-way driver

Company: Eminence Speaker USA

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 45.2 Hz

Qms = 7.97

Vas = 137.7 liters

Cms = 0.35 mm/N

Mms = 35.8 g

Rms = 1.28 kg/s

Xmax = 5.2 mm

Xmech = 7.8 mm

P-Dia = 258.9 mm

Sd = 532.4 sq.cm

P-Vd = 0.272 liters

--Electrical Parameters--

Qes = 0.41

Re = 3.6 ohms

Le = 0.45 mH

Z = 4 ohms

BL = 9.51 Tm

Pe = 450 watts

--Electromech. Parameters--

Qts = 0.39

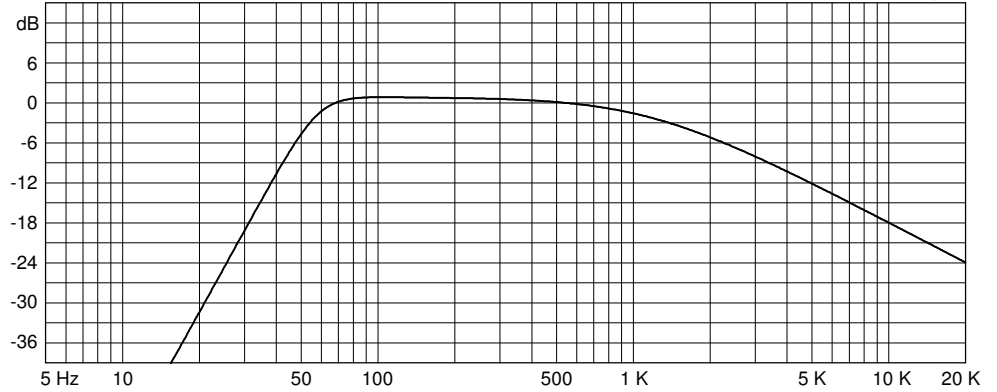
no = 2.991 %

1-W SPL = 97.4 dB

2.83-V SPL = 100.4 dB

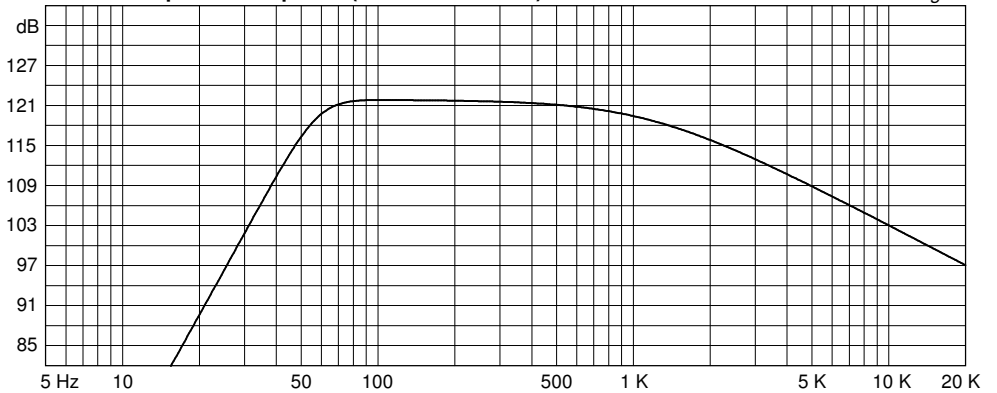
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



Custom Amplitude Response (dB-SPL/Hz at 1 m) with 225 watts

Eminence Designer



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

Eminence Designer

