

KL3010CX Large Vented Design

By Anthony Lucas, Eminence Speaker

Displacement limited to 275 watts, high-pass filter suggested at 45Hz.

Good for bass guitar when deep bass is desired.



Box Properties

--Description--

Name: Large Vented Design

Type: Vented Box

Shape: Prism, square

Company: Eminence Speaker LLC

--Box Parameters--

Vb = 2.6 cu.ft

V(total) = 2.811 cu.ft

Fb = 46 Hz

QL = 7

F3 = 44.82 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 8.048 in

Driver Properties

--Description--

Name: KL 3010CX - LF

Type: Two-way coaxial driver

Company: Eminence Speaker LLC

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 51.75 Hz

Qms = 5.87

Vas = 41.41 liters

Cms = 0.21 mm/N

Mms = 44.95 g

Rms = 2.495 kg/s

Xmax = 6.58 mm

Xmech = 17.84 mm

P-Dia = 217.8 mm

Sd = 376.9 sq.cm

P-Vd = 0.245 liters

--Electrical Parameters--

Qes = 0.3

Re = 5.71 ohms

Le = 0.62 mH

Z = 8 ohms

BL = 16.8 Tm

Pe = 400 watts

--Electromech. Parameters--

Qts = 0.28

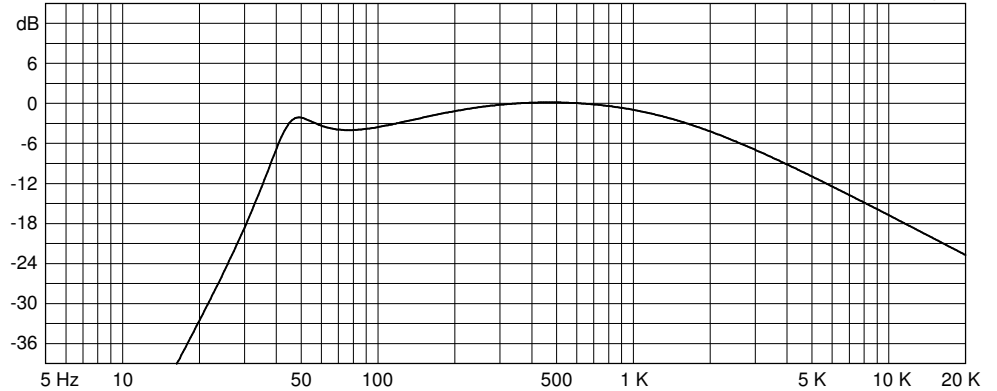
no = 1.844 %

1-W SPL = 94.81 dB

2.83-V SPL = 96.27 dB

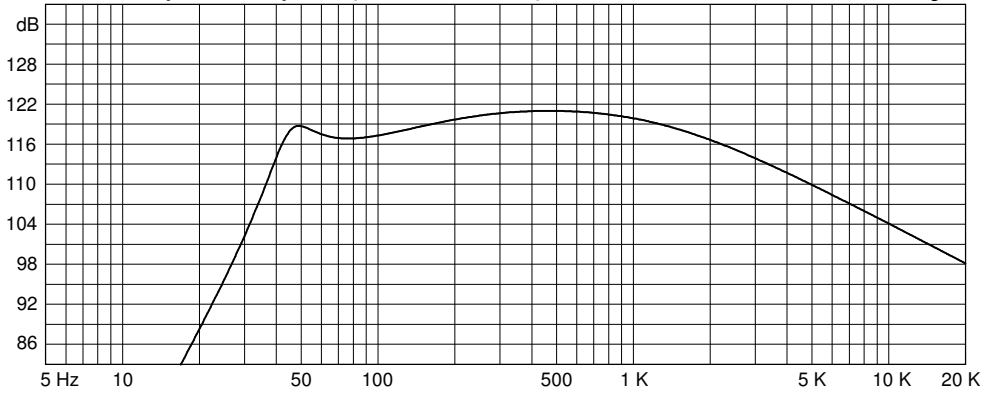
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



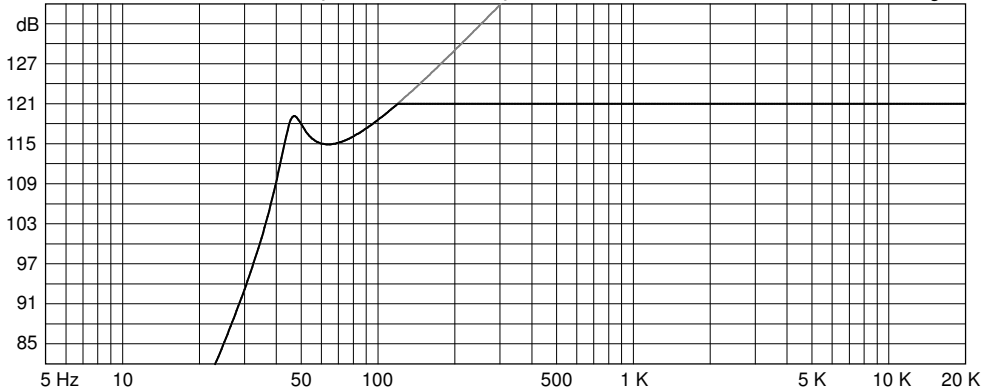
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 275 watts

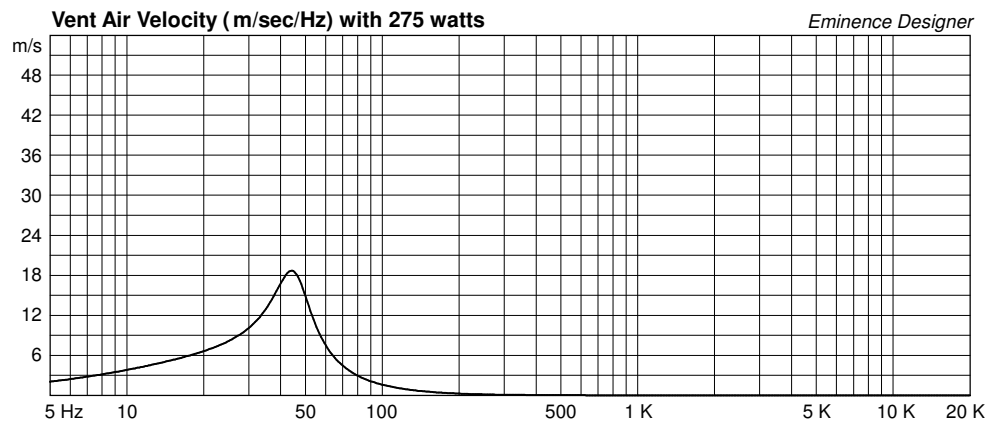
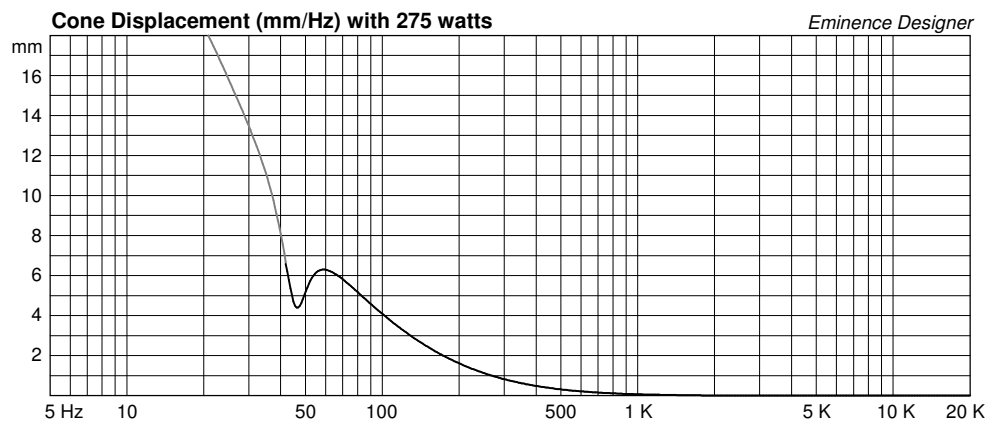
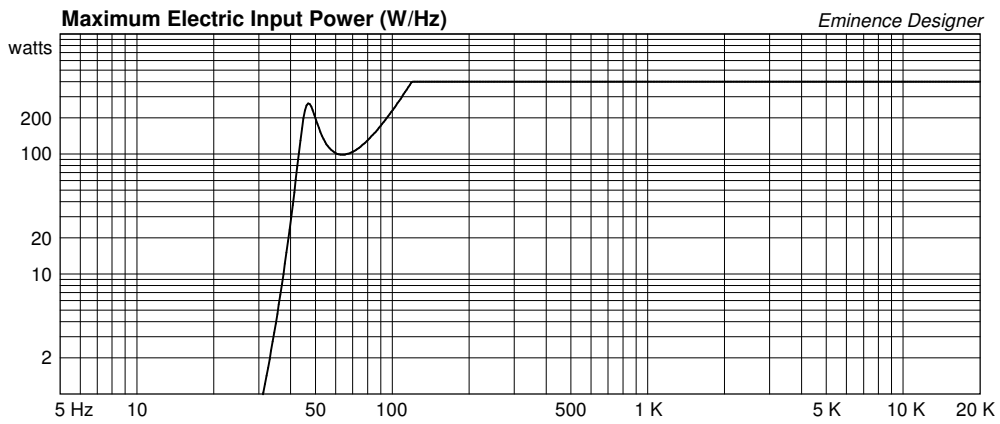
Eminence Designer

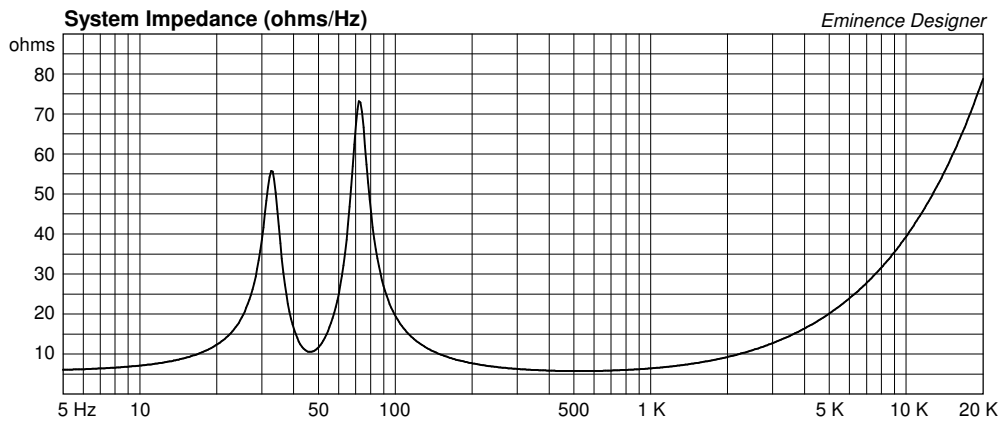


Maximum Acoustic Power (dB-SPL/Hz at 1 m)

Eminence Designer







KL3010CX Medium Vented Monitor or Satellite Design

By Anthony Lucas, Eminence Speaker
400 watts, high-pass suggested at 50Hz

Great for a stage monitor or 2-way satellite for PA or home hi-fi



Box Properties

--Description--

Name: Large Vented Design
Type: Vented Box
Shape: Prism, square
Company: Eminence Speaker LLC

--Box Parameters--

Vb = 1.25 cu.ft
V(total) = 1.379 cu.ft
Fb = 60 Hz
QL = 7
F3 = 58.64 Hz
Fill = minimal

--Vents--

No. of Vents = 2
Vent shape = round
Vent ends = one flush
Dv = 3 in
Lv = 5.238 in

Driver Properties

--Description--

Name: KL 3010CX - LF
Type: Two-way coaxial driver
Company: Eminence Speaker LLC

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 51.75 Hz
Qms = 5.87
Vas = 41.41 liters
Cms = 0.21 mm/N
Mms = 44.95 g
Rms = 2.495 kg/s
Xmax = 6.58 mm
Xmech = 17.84 mm
P-Dia = 217.8 mm
Sd = 376.9 sq.cm
P-Vd = 0.245 liters

--Electrical Parameters--

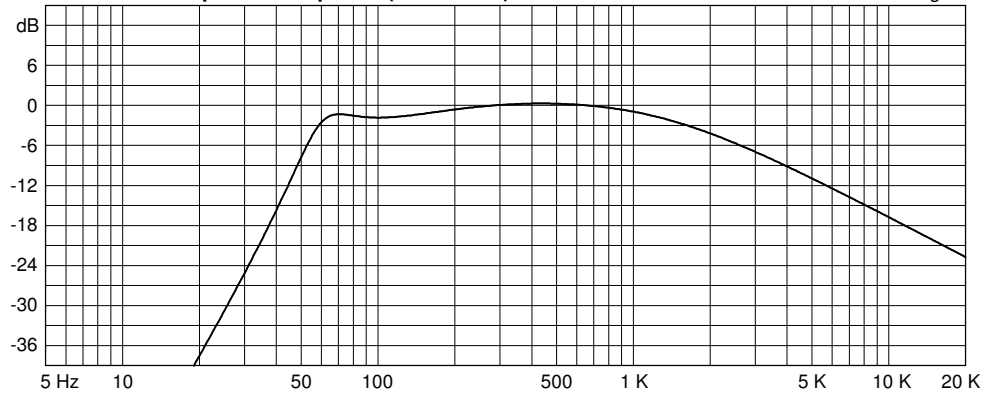
Qes = 0.3
Re = 5.71 ohms
Le = 0.62 mH
Z = 8 ohms
BL = 16.8 Tm
Pe = 400 watts

--Electromech. Parameters--

Qts = 0.28
no = 1.844 %
1-W SPL = 94.81 dB
2.83-V SPL = 96.27 dB

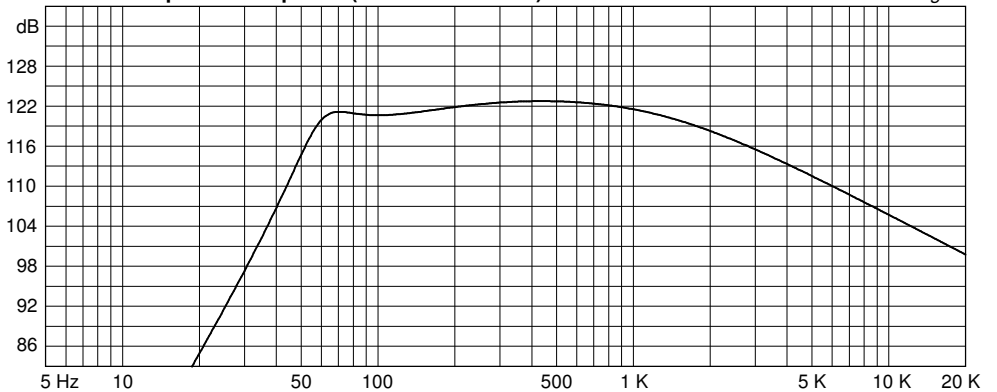
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



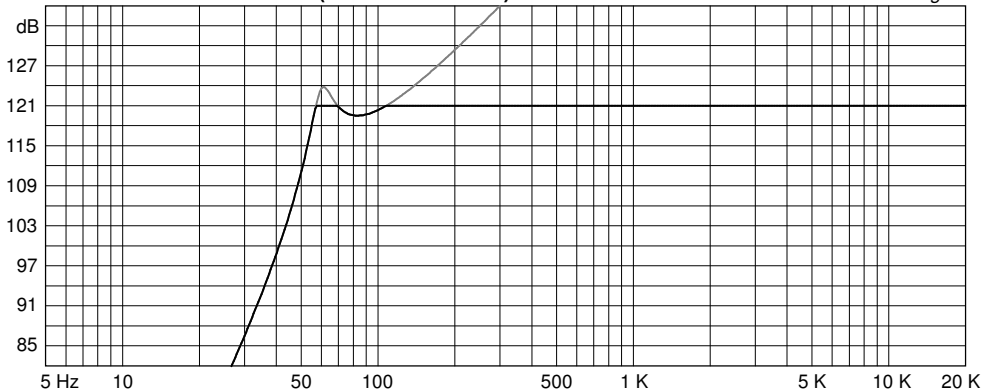
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 400 watts

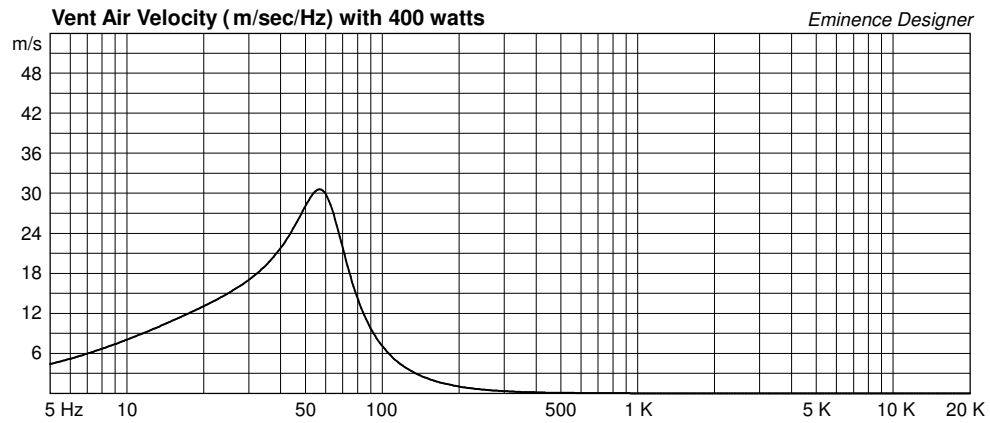
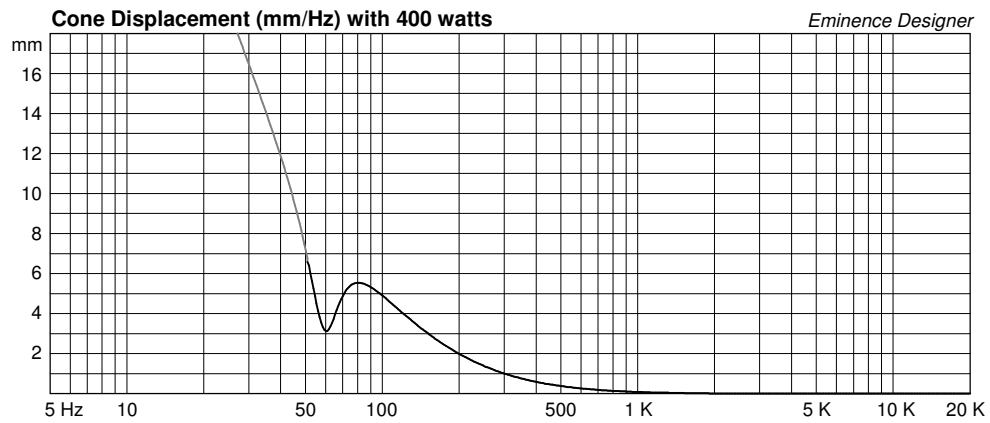
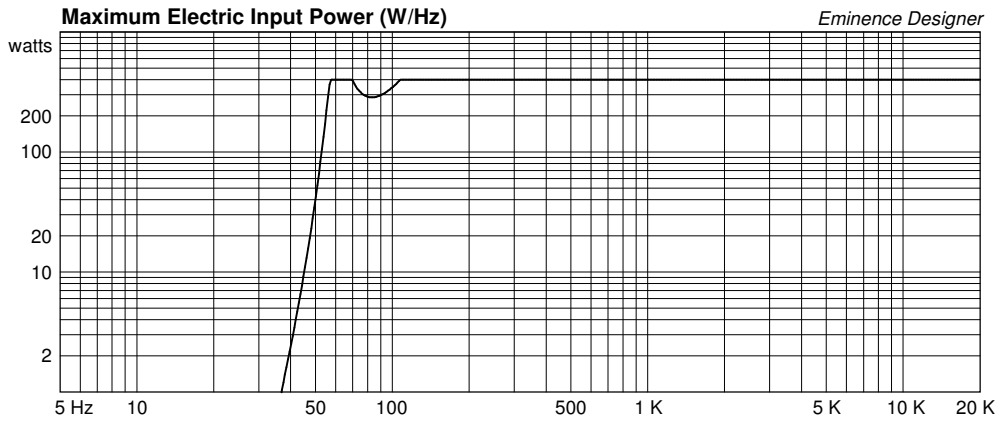
Eminence Designer

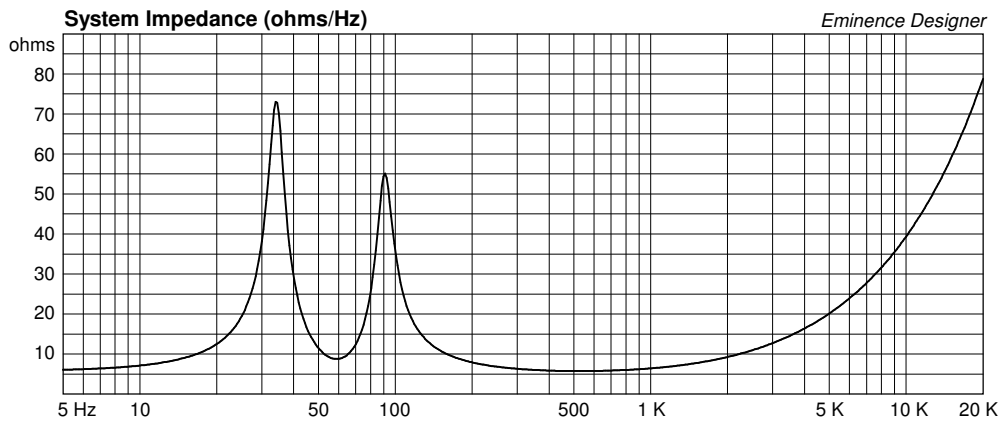


Maximum Acoustic Power (dB-SPL/Hz at 1 m)

Eminence Designer







KL3010CX Small Vented Monitor or Satellite Design

By Anthony Lucas, Eminence Speaker
400 watts, high-pass suggested at 55Hz
Great for a stage monitor or 2-way satellite for PA or home hi-fi



Box Properties

--Description--

Name: Large Vented Design
Type: Vented Box
Shape: Prism, square
Company: Eminence Speaker LLC

--Box Parameters--

Vb = 0.8 cu.ft
V(total) = 0.957 cu.ft
Fb = 65 Hz
QL = 7
F3 = 69.05 Hz
Fill = minimal

--Vents--

No. of Vents = 2
Vent shape = round
Vent ends = one flush
Dv = 3 in
Lv = 8.156 in

Driver Properties

--Description--

Name: KL 3010CX - LF
Type: Two-way coaxial driver
Company: Eminence Speaker LLC

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 51.75 Hz
Qms = 5.87
Vas = 41.41 liters
Cms = 0.21 mm/N
Mms = 44.95 g
Rms = 2.495 kg/s
Xmax = 6.58 mm
Xmech = 17.84 mm
P-Dia = 217.8 mm
Sd = 376.9 sq.cm
P-Vd = 0.245 liters

--Electrical Parameters--

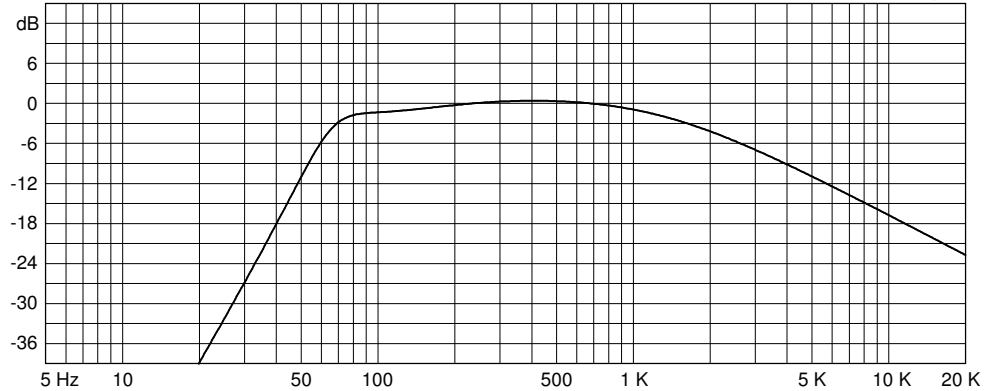
Qes = 0.3
Re = 5.71 ohms
Le = 0.62 mH
Z = 8 ohms
BL = 16.8 Tm
Pe = 400 watts

--Electromech. Parameters--

Qts = 0.28
no = 1.844 %
1-W SPL = 94.81 dB
2.83-V SPL = 96.27 dB

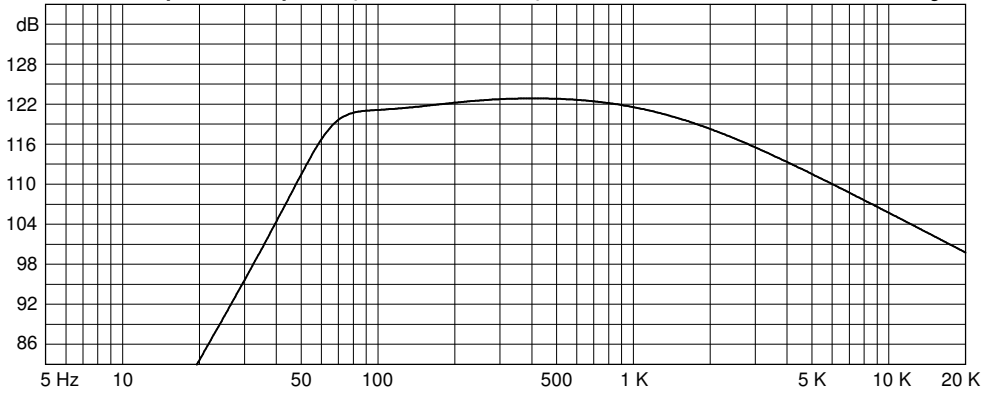
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



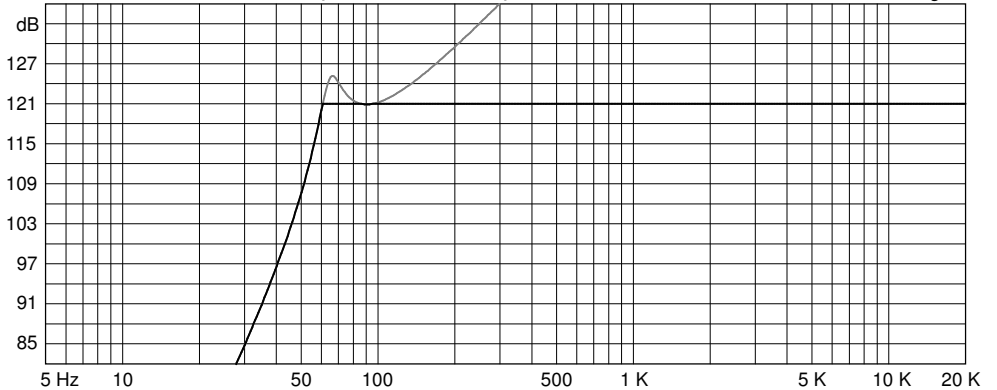
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 400 watts

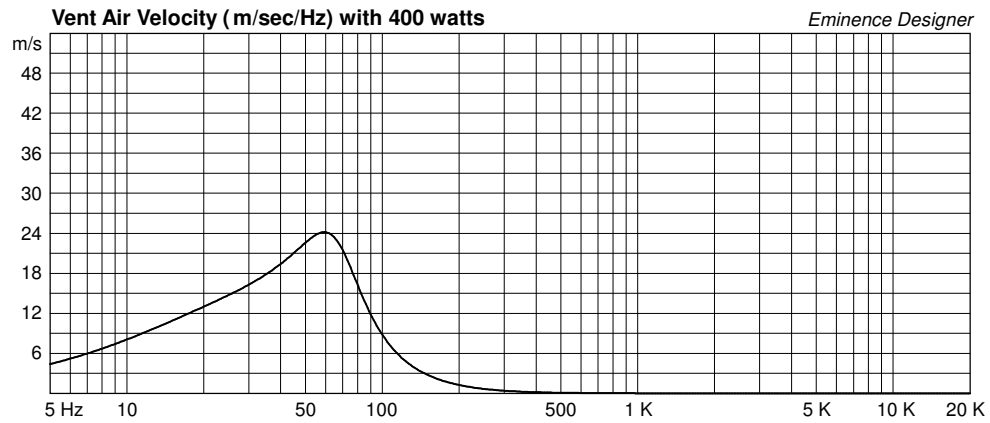
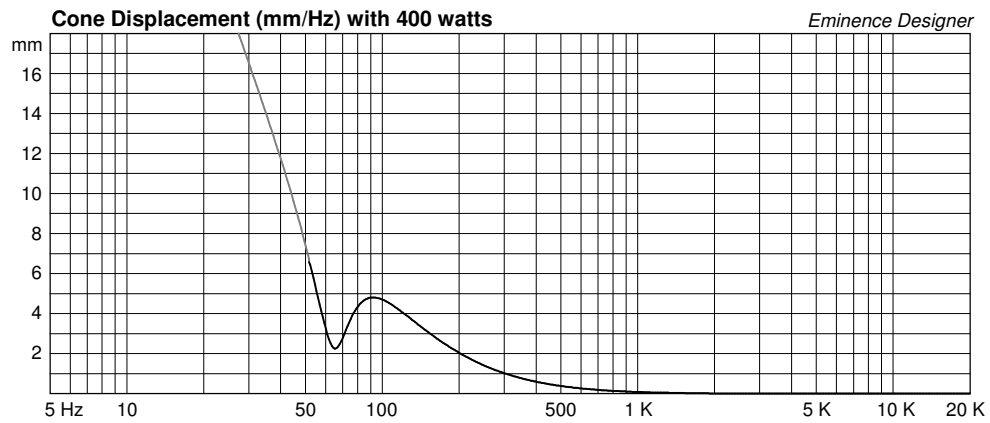
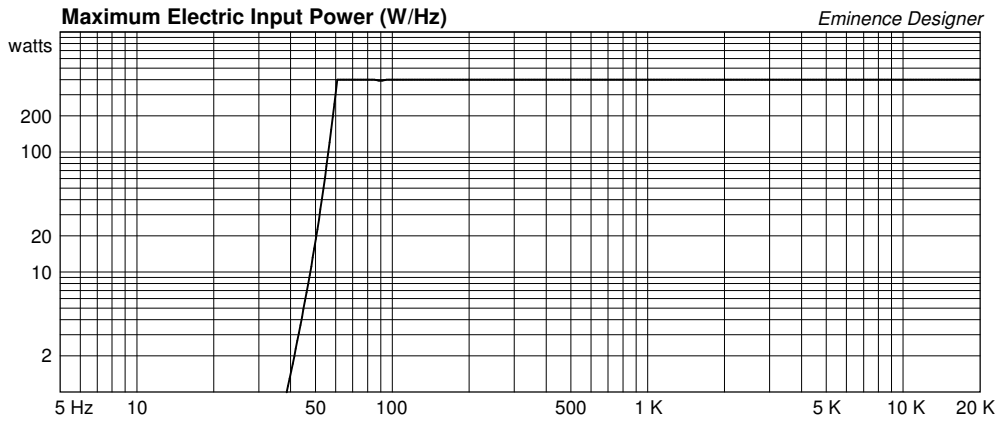
Eminence Designer

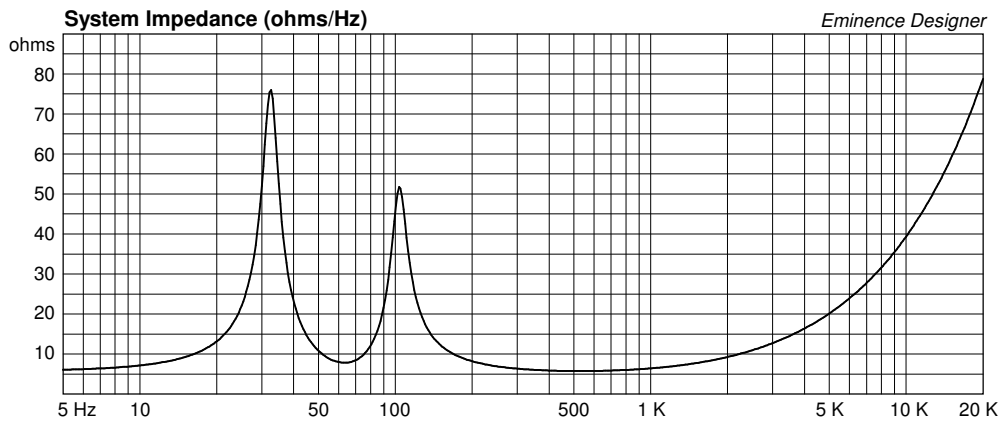


Maximum Acoustic Power (dB-SPL/Hz at 1 m)

Eminence Designer







KL3010CX Vented Bass Guitar Design

By Anthony Lucas, Eminence Speaker
400 watts, flat response guitar cab



Box Properties

--Description--

Name: Large Vented Design
Type: Vented Box
Shape: Prism, square
Company: Eminence Speaker LLC

--Box Parameters--

Vb = 1.5 cu.ft
V(total) = 1.756 cu.ft
Fb = 55 Hz
QL = 7
F3 = 54.35 Hz
Fill = minimal

--Vents--

No. of Vents = 2
Vent shape = round
Vent ends = one flush
Dv = 4 in
Lv = 10.77 in

Driver Properties

--Description--

Name: KL 3010CX - LF
Type: Two-way coaxial driver
Company: Eminence Speaker LLC

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 51.75 Hz
Qms = 5.87
Vas = 41.41 liters
Cms = 0.21 mm/N
Mms = 44.95 g
Rms = 2.495 kg/s
Xmax = 6.58 mm
Xmech = 17.84 mm
P-Dia = 217.8 mm
Sd = 376.9 sq.cm
P-Vd = 0.245 liters

--Electrical Parameters--

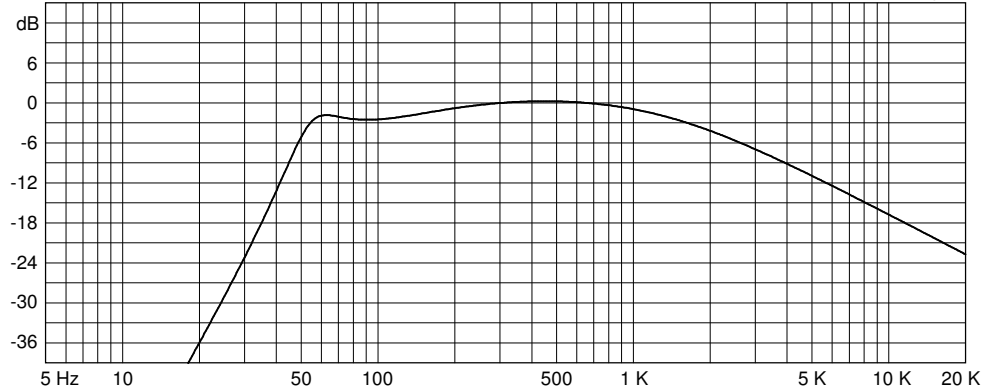
Qes = 0.3
Re = 5.71 ohms
Le = 0.62 mH
Z = 8 ohms
BL = 16.8 Tm
Pe = 400 watts

--Electromech. Parameters--

Qts = 0.28
no = 1.844 %
1-W SPL = 94.81 dB
2.83-V SPL = 96.27 dB

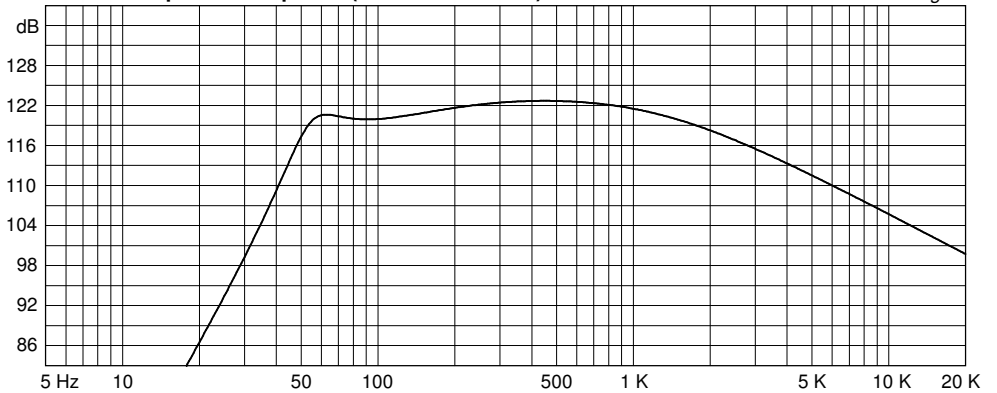
Normalized Amplitude Response (dB-SPL/Hz)

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

