

Kilomax15 Larger Subwoofer, Lower F3, Deep Bass

By McJerry, Eminence Speaker LLC

Displacement limited to 400 watts, F3 of 44 Hz, slow roll-off. Must use 24 dB per octave high pass filter set to 30 Hz or higher to protect driver from overexcursion. Place ports symmetrically around driver.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 5.6 cu.ft

V(total) = 6.185 cu.ft

Fb = 36.55 Hz

QL = 7

F3 = 43.59 Hz

Fill = minimal

--Vents--

No. of Vents = 4

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 13.18 in

Driver Properties

--Description--

Name: Kilomax Pro-15

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised NOV 2005

Piston: Paper cone.

Suspension: Cloth surround.

Dust Cap: Kilomax alloy heatsink.

Frame: Diecast aluminum basket.

Voice Coil: 4 inch (101.6 mm) copper.

Magnet: 109 oz ferrite magnet.

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 41 Hz

Qms = 8.8

Vas = 154.5 liters

Xmax = 7.9 mm

Sd = 856.3 sq.cm

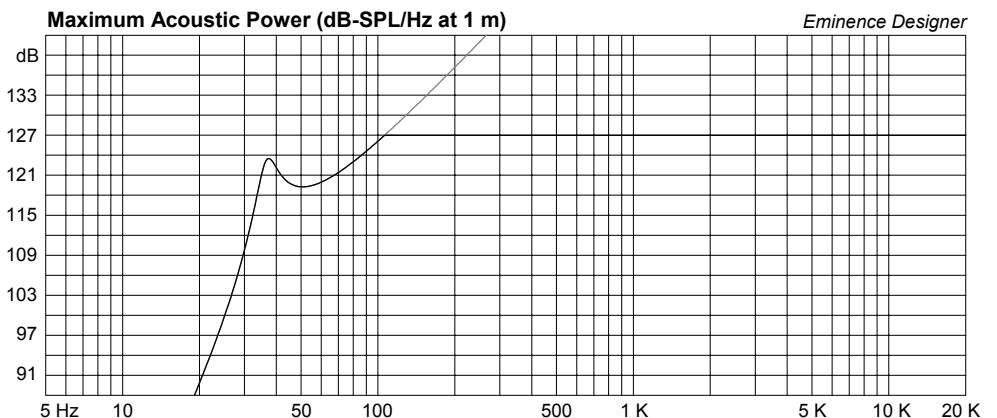
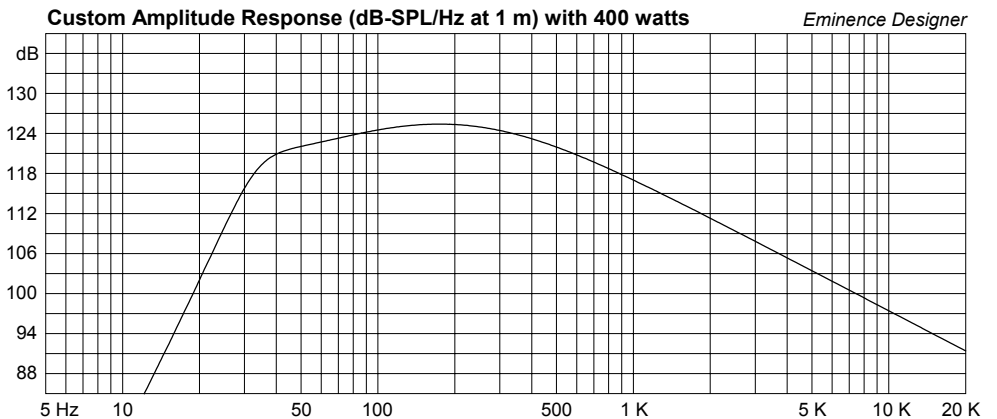
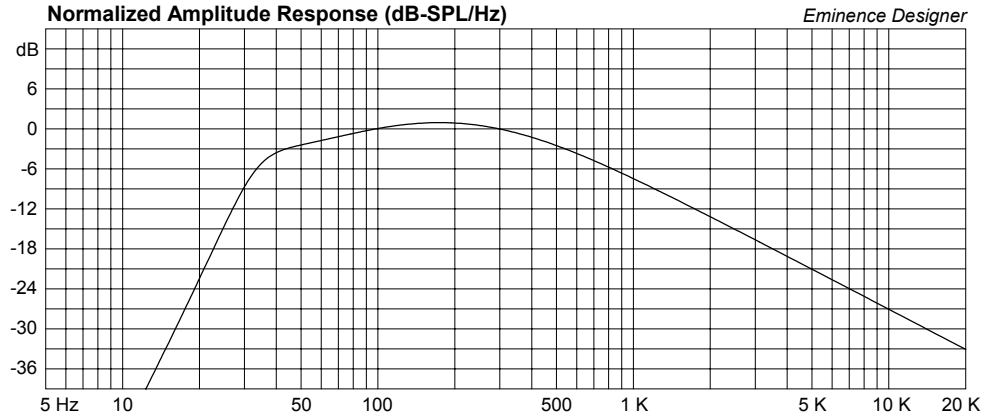
Qes = 0.4

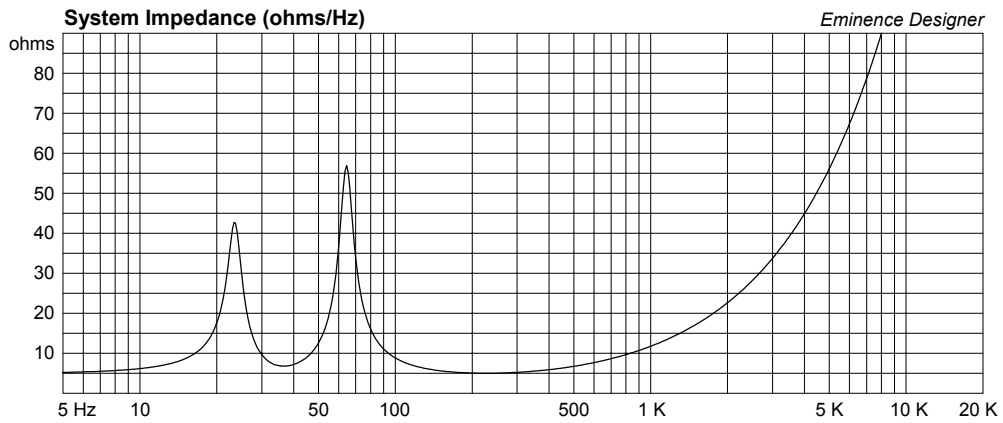
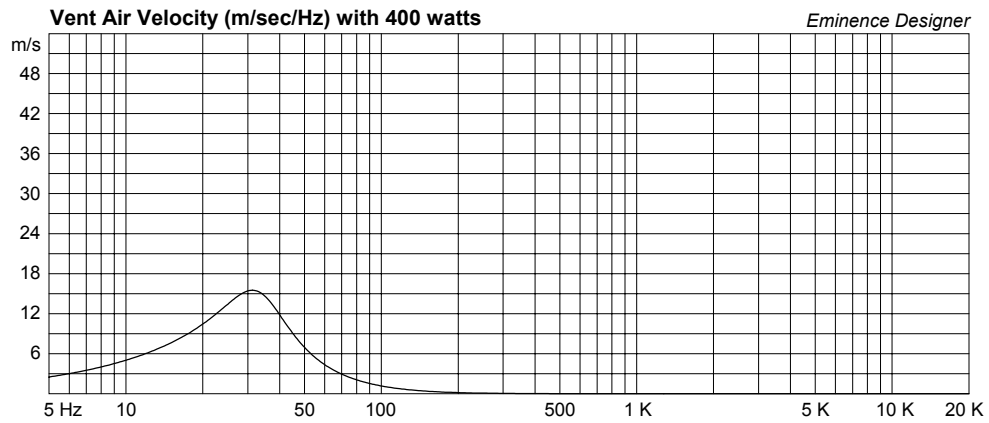
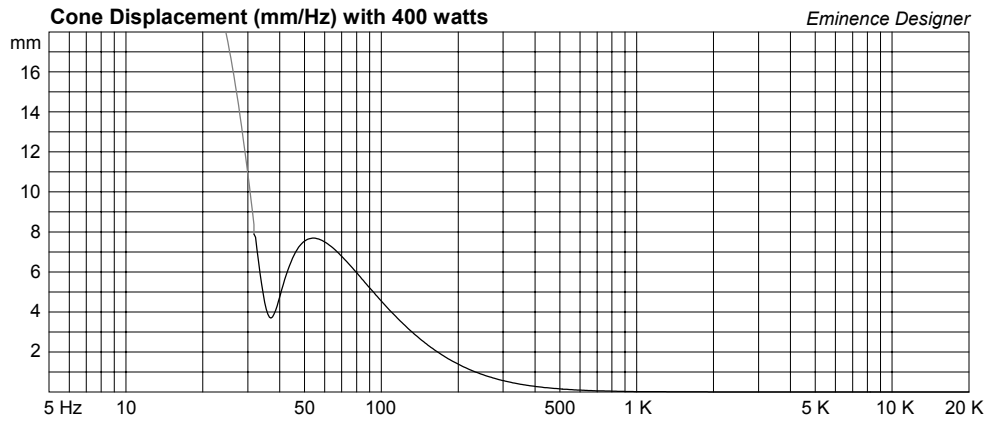
Re = 4.97 ohms

Le = 1.78 mH

Z = 8 ohms

Pe = 1250 watts





Kilomax Med Vented PA or Club Sub Cabinet

By McJerry, Eminence Speaker LLC

Displacement limited to 600 watts; F3 of 47 Hz. Must use 24 dB per octave high pass filter set to 40 Hz or higher to protect driver from overexcursion. Place ports symetrically around driver.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 3.979 cu.ft

V(total) = 4.52 cu.ft

Fb = 45 Hz

QL = 7

F3 = 46.66 Hz

Fill = minimal

--Vents--

No. of Vents = 4

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 11.83 in

Driver Properties

--Description--

Name: Kilomax Pro-15

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised NOV 2005

Piston: Paper cone.

Suspension: Cloth surround.

Dust Cap: Kilomax alloy heatsink.

Frame: Diecast aluminum basket.

Voice Coil: 4 inch (101.6 mm) copper.

Magnet: 109 oz ferrite magnet.

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 41 Hz

Qms = 8.8

Vas = 154.5 liters

Xmax = 7.9 mm

Sd = 856.3 sq.cm

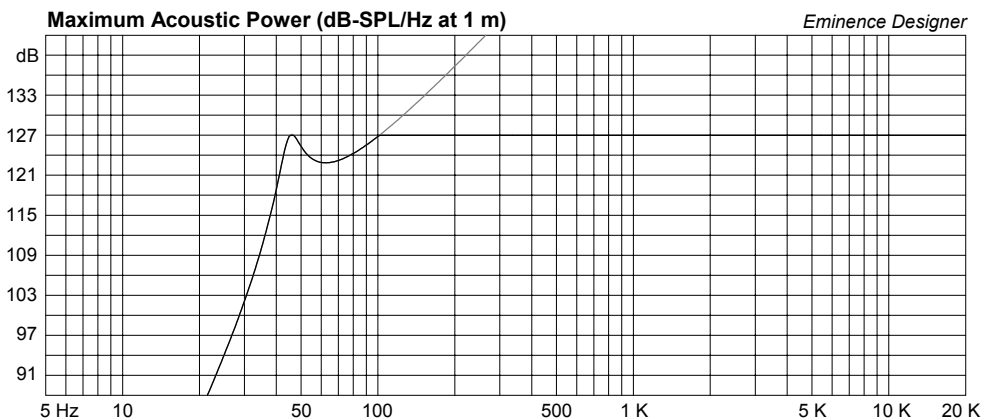
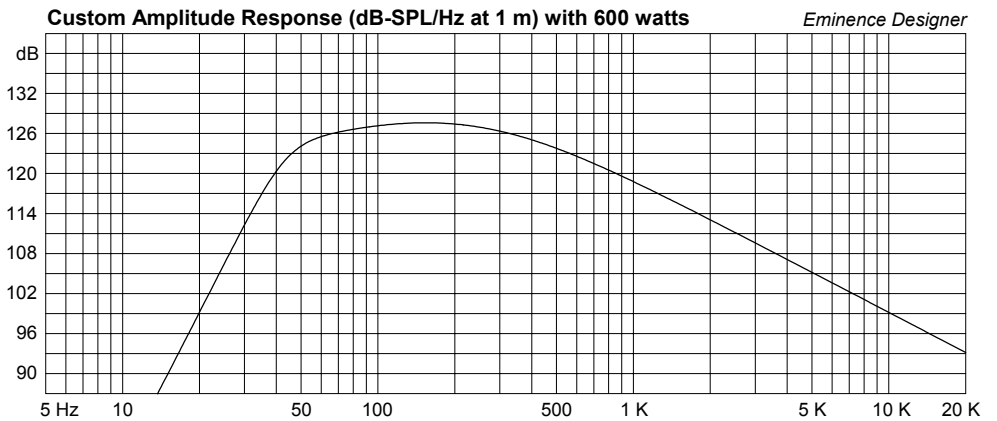
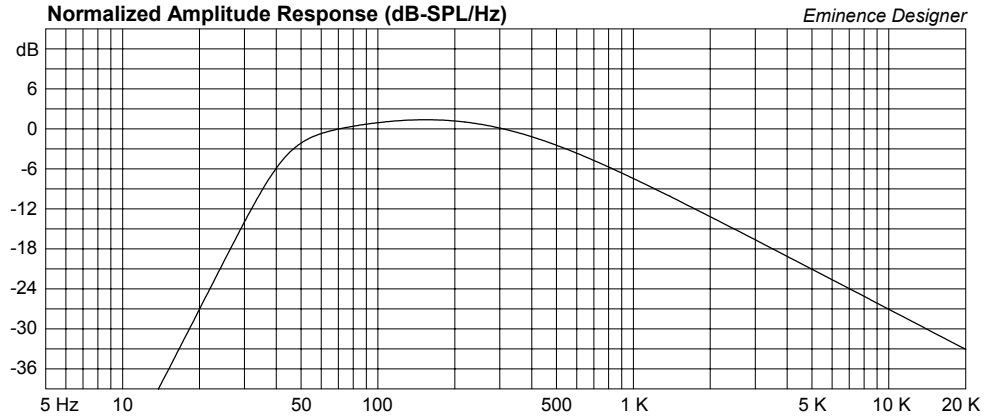
Qes = 0.4

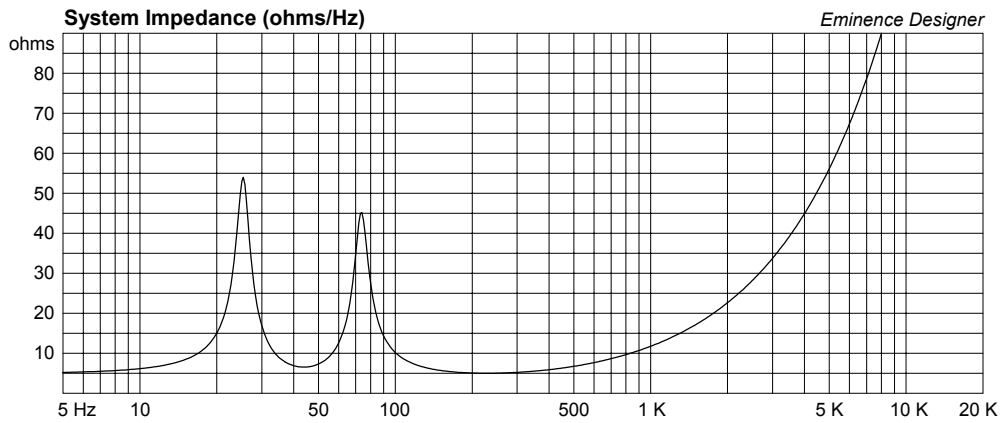
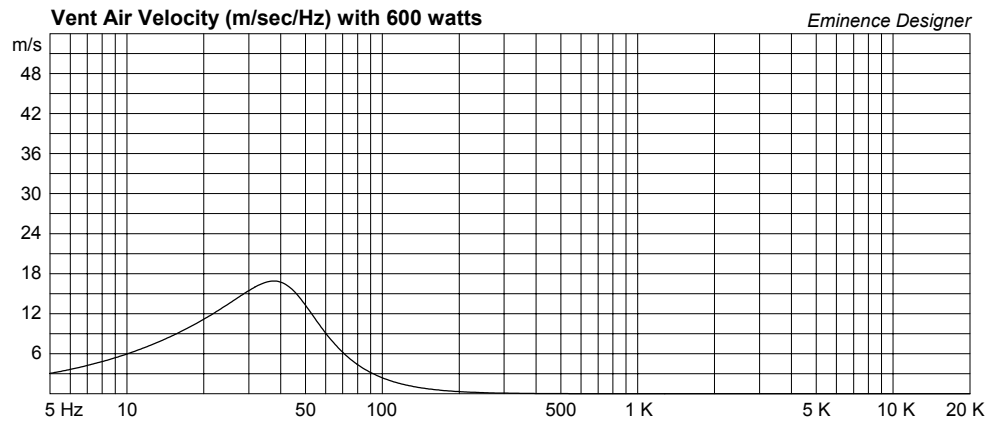
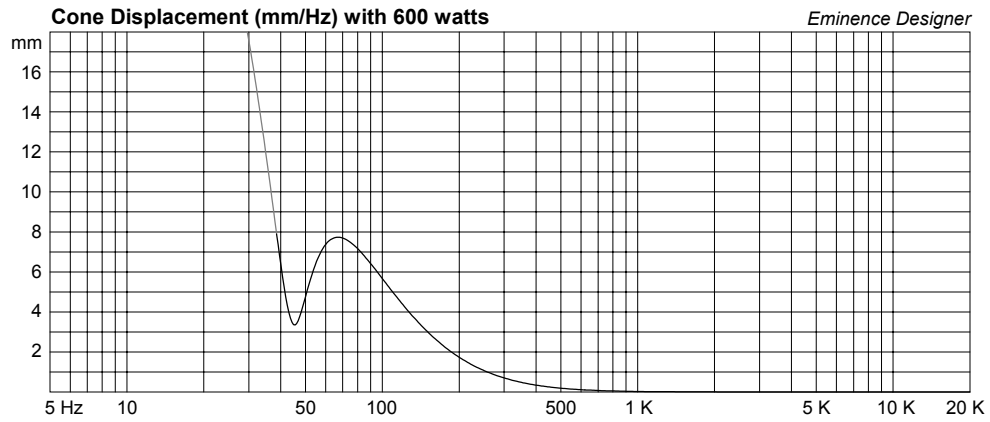
Re = 4.97 ohms

Le = 1.78 mH

Z = 8 ohms

Pe = 1250 watts





Kilomax15 Small Vented Cab, Semi FR PA, or Hi Pwr Bass Guitar

By McJerry, Eminence Speaker LLC

Displacement Limited to 1000 Watts; F3 of 58 Hz. Must use 24 dB per octave high pass filter set to 50 Hz or higher to protect driver from overexcursion. Place ports symetrically around driver.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 2.5 cu.ft

V(total) = 2.981 cu.ft

Fb = 60 Hz

QL = 7

F3 = 57.89 Hz

Fill = minimal

--Vents--

No. of Vents = 4

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 9.998 in

Driver Properties

--Description--

Name: Kilomax Pro-15

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised NOV 2005

Piston: Paper cone.

Suspension: Cloth surround.

Dust Cap: Kilomax alloy heatsink.

Frame: Diecast aluminum basket.

Voice Coil: 4 inch (101.6 mm) copper.

Magnet: 109 oz ferrite magnet.

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 41 Hz

Qms = 8.8

Vas = 154.5 liters

Xmax = 7.9 mm

Sd = 856.3 sq.cm

Qes = 0.4

Re = 4.97 ohms

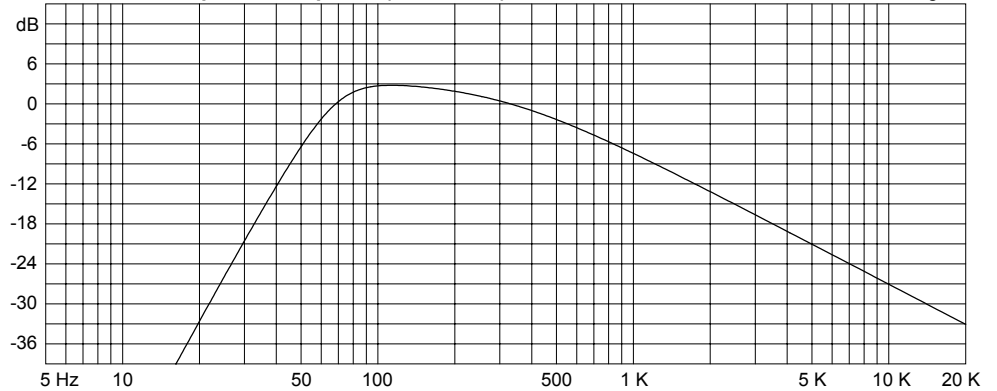
Le = 1.78 mH

Z = 8 ohms

Pe = 1250 watts

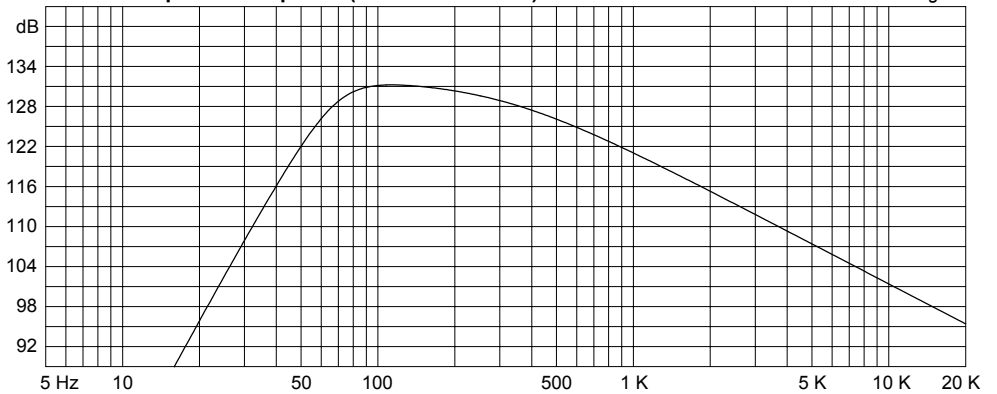
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



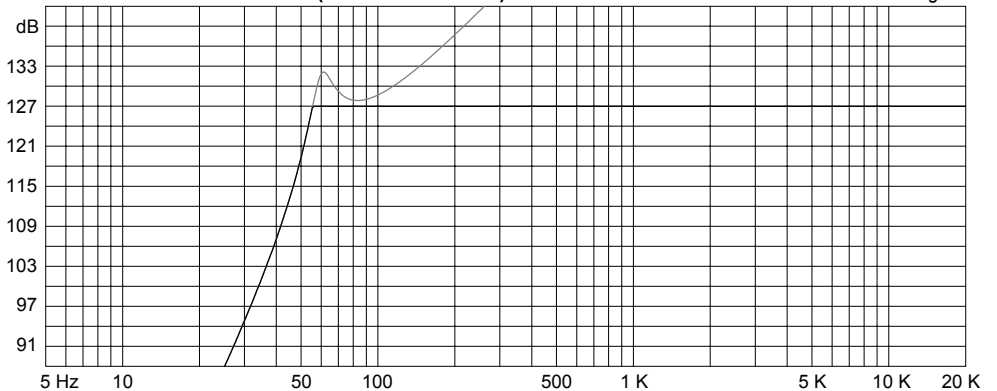
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 1000 watts

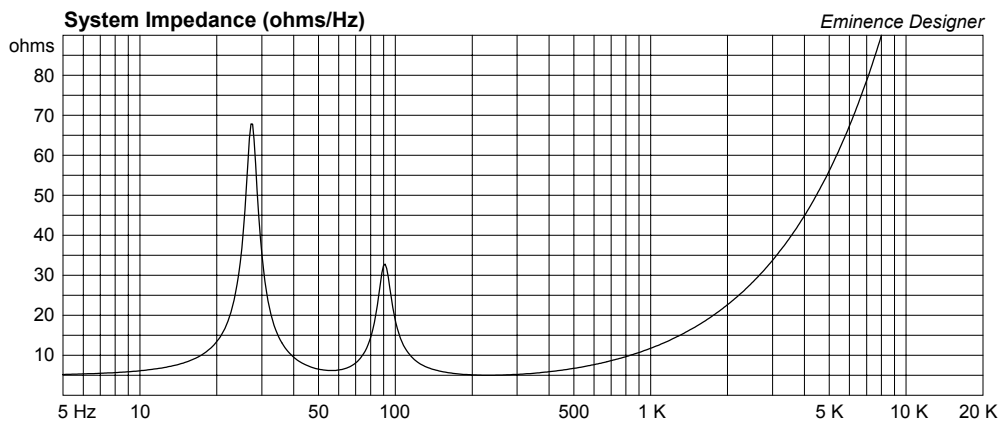
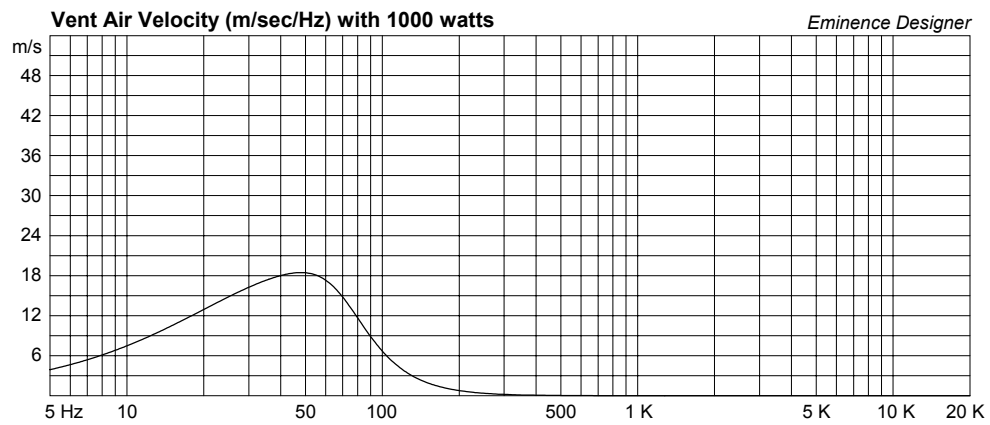
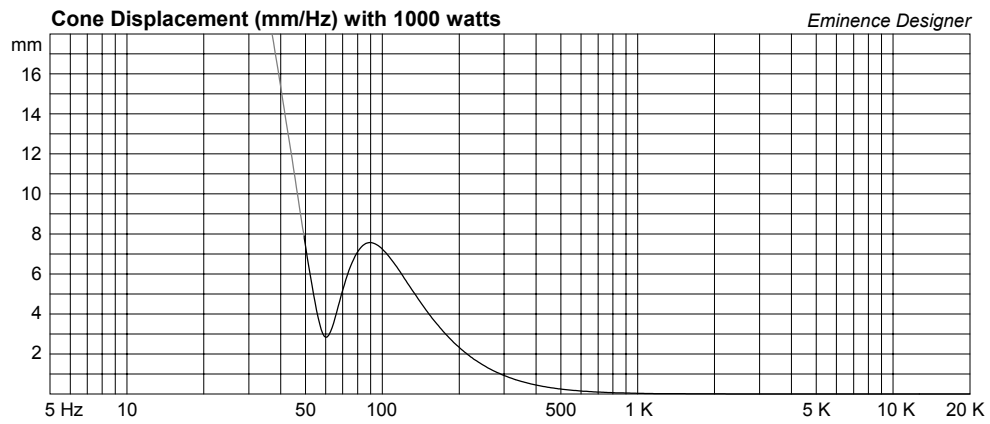
Eminence Designer



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

Eminence Designer





Kilomax15 2x15 PA Subwoofer Cabinet

By McJerry, Eminence Speaker LLC

Displacement limited to 1200 watts; F3 of 47 Hz. Must use 24 dB per octave high pass filter set to 40 Hz or higher to protect driver from overexcursion. Place ports symmetrically around drivers.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 7.8 cu.ft

V(total) = 8.755 cu.ft

Fb = 48 Hz

QL = 7

F3 = 47.24 Hz

Fill = minimal

--Vents--

No. of Vents = 4

Vent shape = round

Vent ends = one flush

Dv = 6 in

Lv = 9.155 in

Driver Properties

--Description--

Name: Kilomax Pro-15

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised NOV 2005

Piston: Paper cone.

Suspension: Cloth surround.

Dust Cap: Kilomax alloy heatsink.

Frame: Diecast aluminum basket.

Voice Coil: 4 inch (101.6 mm) copper.

Magnet: 109 oz ferrite magnet.

--Configuration--

No. of Drivers = 2

Mounting = Standard

Wiring = Parallel

Drivers sum coherently = Yes

--Driver Parameters--

Fs = 41 Hz

Qms = 8.8

Vas = 154.5 liters [309]

Xmax = 7.9 mm

Sd = 856.3 sq.cm [1713]

Qes = 0.4

Re = 4.97 ohms [2.485]

Le = 1.78 mH [0.89]

Z = 8 ohms [4]

Pe = 1250 watts [2500]

