

Alpha8 Med Vented Enclosure

By McJerry, Eminence Speaker LLC

50 Watt Displacement Limit. F3 of 58 Hz; Best used with a high pass filter set to 55 Hz or higher.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 0.85 cu.ft

V(total) = 0.887 cu.ft

Fb = 60 Hz

QL = 7

F3 = 58.05 Hz

Fill = minimal

--Vents--

No. of Vents = 1

Vent shape = round

Vent ends = one flush

Dv = 3 in

Lv = 3.475 in

Driver Properties

--Description--

Name: Alpha-8

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised OCT 2005

Piston: Paper cone.

Suspension: Cloth surround.

Dust Cap: Solid composition paper dust cap.

Frame: Pressed steel basket.

Voice Coil: 1.5 inch (38.1 mm) copper.

Magnet: 20 oz ferrite magnet.

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 72.7 Hz

Qms = 4.6

Vas = 17.7 liters

Xmax = 3.2 mm

Sd = 210 sq.cm

Qes = 0.68

Re = 5.3 ohms

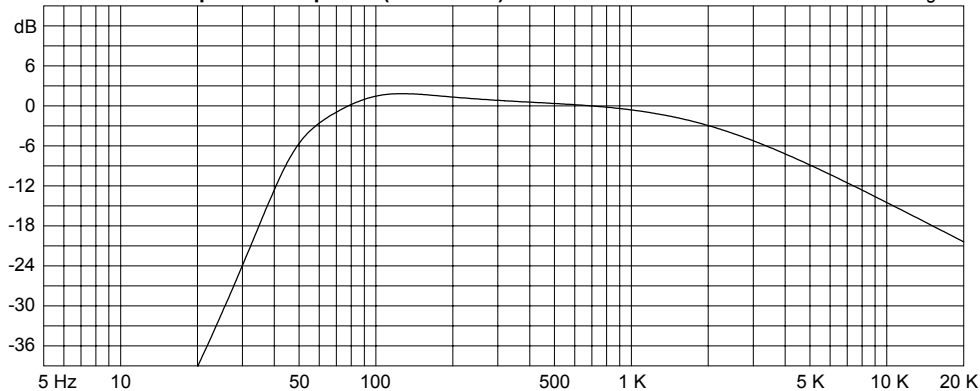
Le = 0.44 mH

Z = 8 ohms

Pe = 125 watts

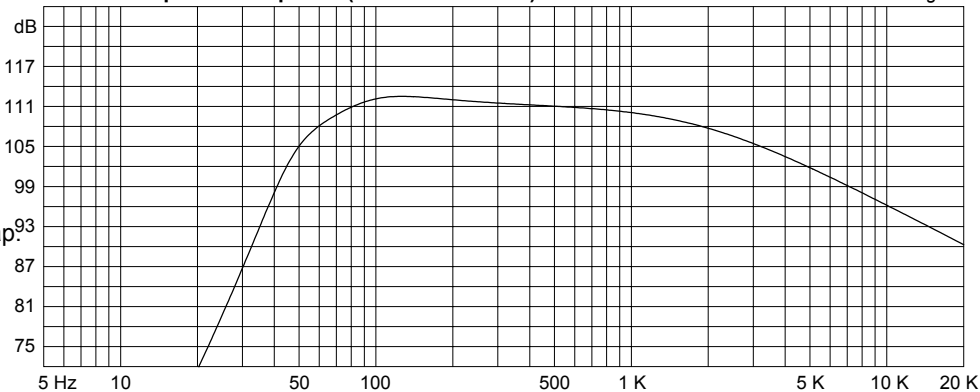
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



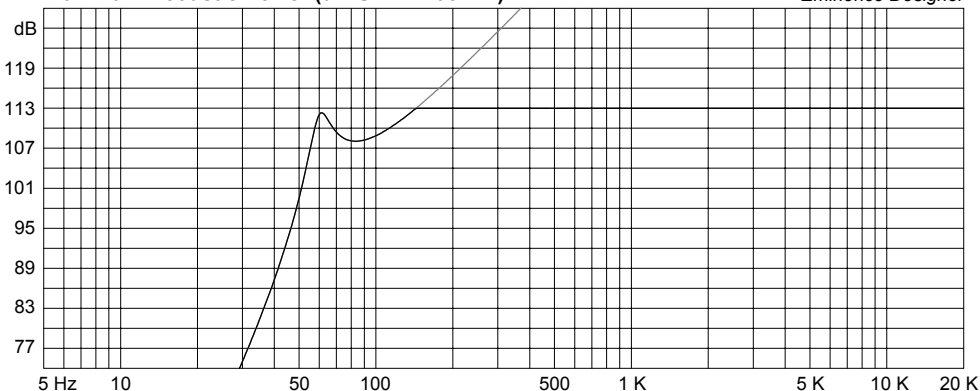
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 50 watts

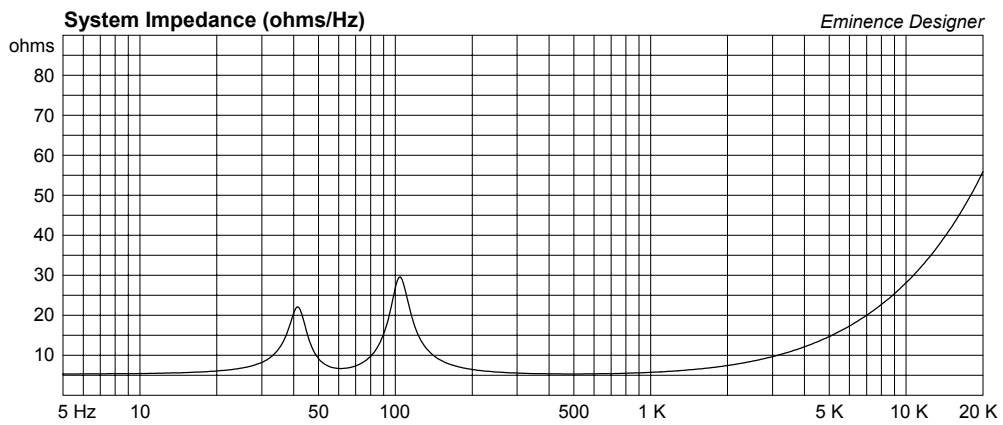
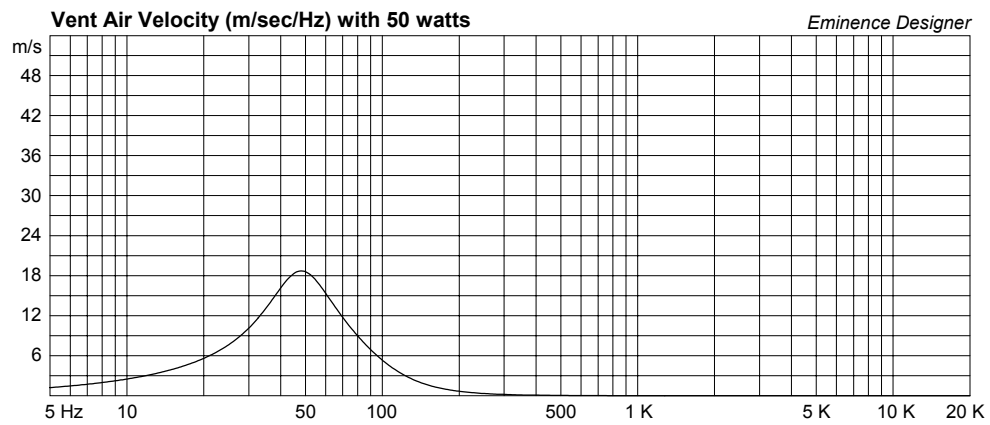
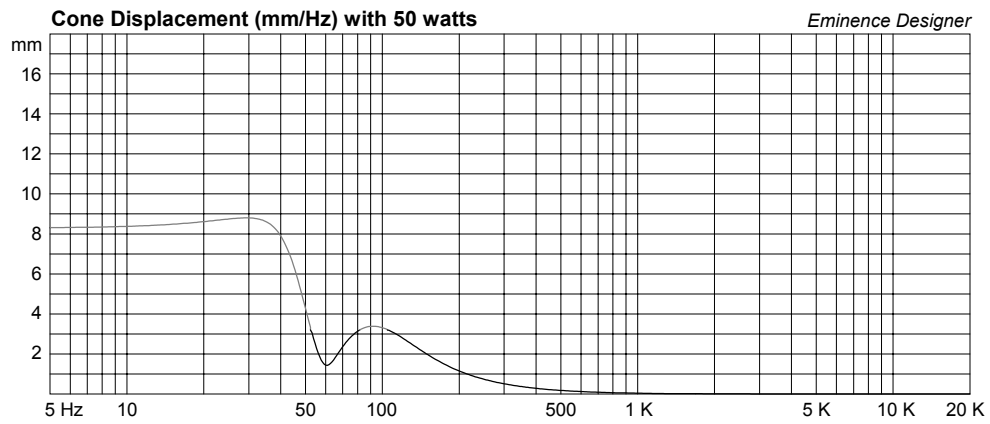
Eminence Designer



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

Eminence Designer





Alpha8 Sealed Midrange Enclosure

By McJerry, Eminence Speaker LLC

125 Watt Thermal Limit. Use a steep High Pass filter set to 160 Hz or higher.

Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 0.18 cu.ft

V(total) = 0.2 cu.ft

Qtc = 0.902

QL = 20

F3 = 119 Hz

Fill = heavy

Driver Properties

--Description--

Name: Alpha-8

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised OCT 2005

Piston: Paper cone.

Suspension: Cloth surround.

Dust Cap: Solid paper dust cap.

Frame: Pressed steel basket.

Voice Coil: 1.5 inch (38.1 mm) copper.

Magnet: 20 oz ferrite magnet.

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 72.7 Hz

Qms = 4.6

Vas = 17.7 liters

Xmax = 3.2 mm

Sd = 210 sq.cm

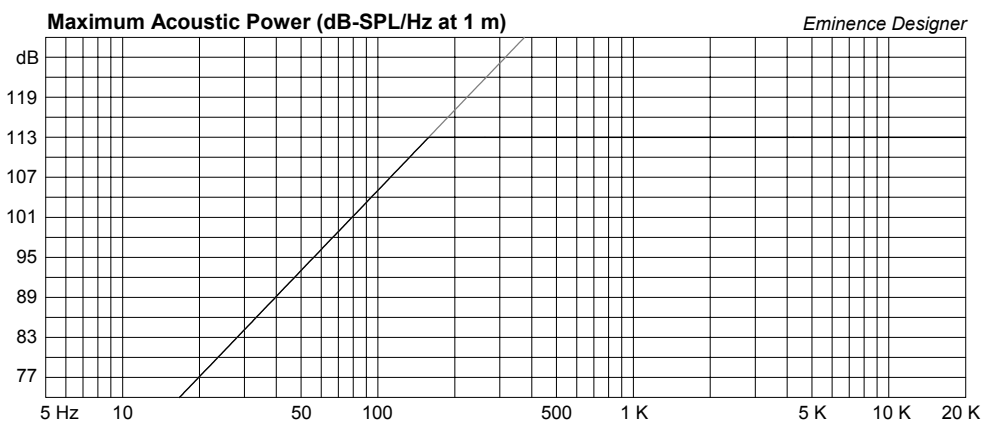
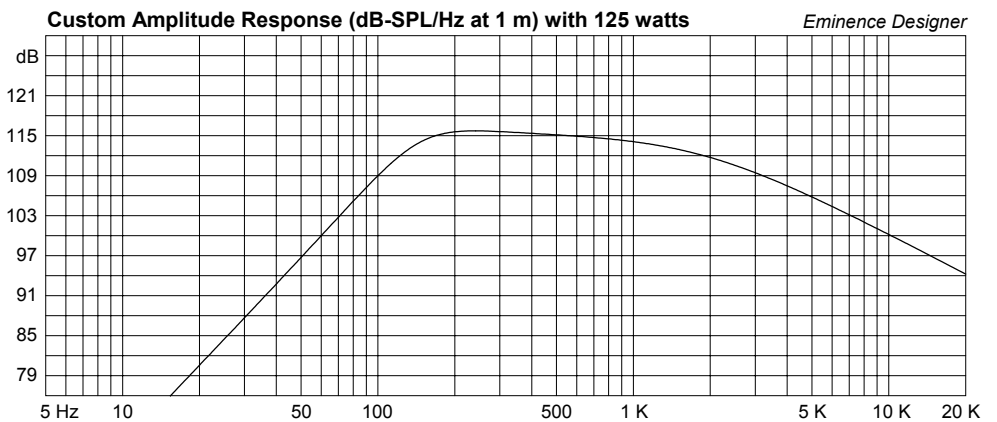
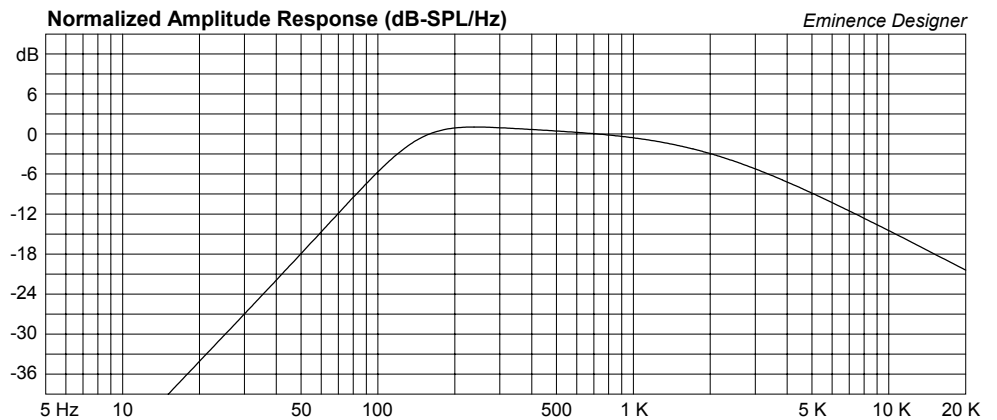
Qes = 0.68

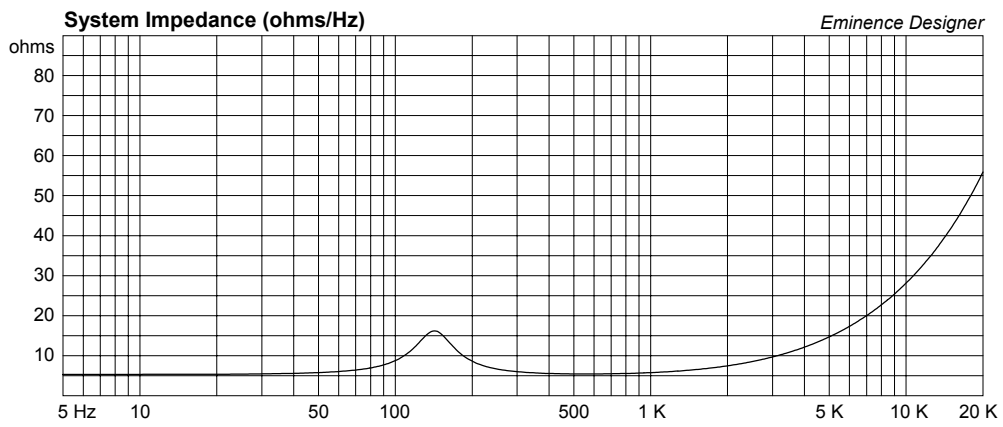
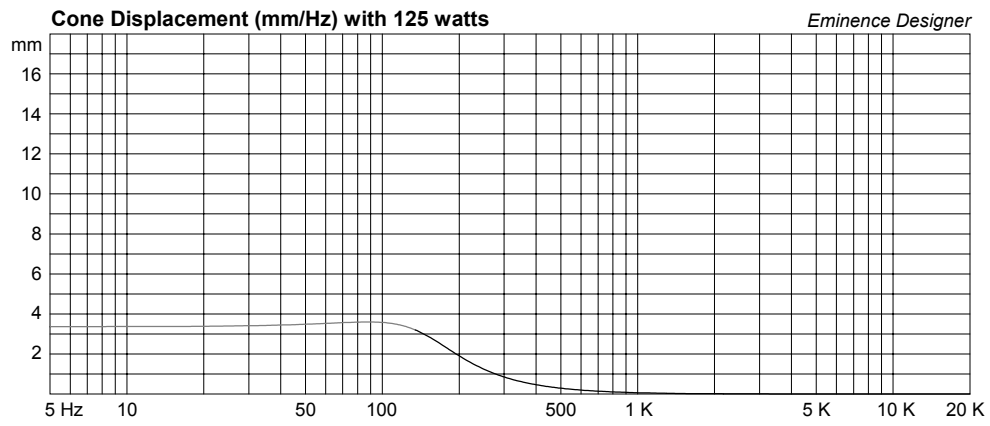
Re = 5.3 ohms

Le = 0.44 mH

Z = 8 ohms

Pe = 125 watts





Alpha8 Small Vented Mid/High Sat. Enclosure

By McJerry, Eminence Speaker LLC

75 Watt Displacement Limit. F3 of 71 Hz; best used with a High Pass filter set to 70 Hz or higher.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 0.55 cu.ft

V(total) = 0.59 cu.ft

Fb = 71 Hz

QL = 7

F3 = 70.59 Hz

Fill = minimal

--Vents--

No. of Vents = 1

Vent shape = round

Vent ends = one flush

Dv = 3 in

Lv = 4.146 in

Driver Properties

--Description--

Name: Alpha-8

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised OCT 2005

Piston: Paper cone.

Suspension: Cloth surround.

Dust Cap: Solid composition paper dust cap.

Frame: Pressed steel basket.

Voice Coil: 1.5 inch (38.1 mm) copper.

Magnet: 20 oz ferrite magnet.

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 72.7 Hz

Qms = 4.6

Vas = 17.7 liters

Xmax = 3.2 mm

Sd = 210 sq.cm

Qes = 0.68

Re = 5.3 ohms

Le = 0.44 mH

Z = 8 ohms

Pe = 125 watts

