

Beta8 Multi Purpose Med Vented Enclosure

By McJerry, Eminence Speaker LLC

Med Power Sat. use, 145 Watts Displacement Limit, use 150 Hz and up.

Low Power Semi-Full Range use, 75 Watt Displacement Limit, use 70 Hz and up.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 0.573 cu.ft

V(total) = 0.625 cu.ft

Fb = 64.8 Hz

QL = 7

F3 = 77.6 Hz

Fill = minimal

--Vents--

No. of Vents = 1

Vent shape = round

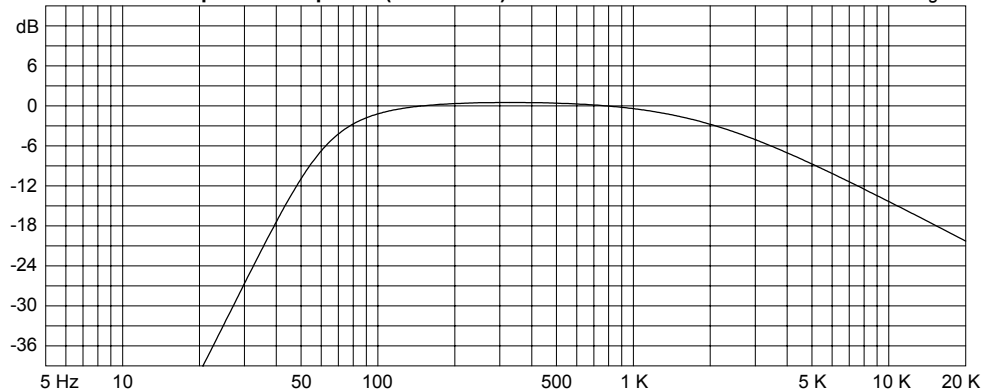
Vent ends = one flush

Dv = 3 in

Lv = 5.231 in

Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



Driver Properties

--Description--

Name: Beta-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: 2 inch (50.8 mm) coated copper.

Magnet: 34 oz ferrite magnet.

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 65.1 Hz

Qms = 5

Vas = 24.29 liters

Xmax = 3 mm

Sd = 210 sq.cm

Qes = 0.42

Re = 6 ohms

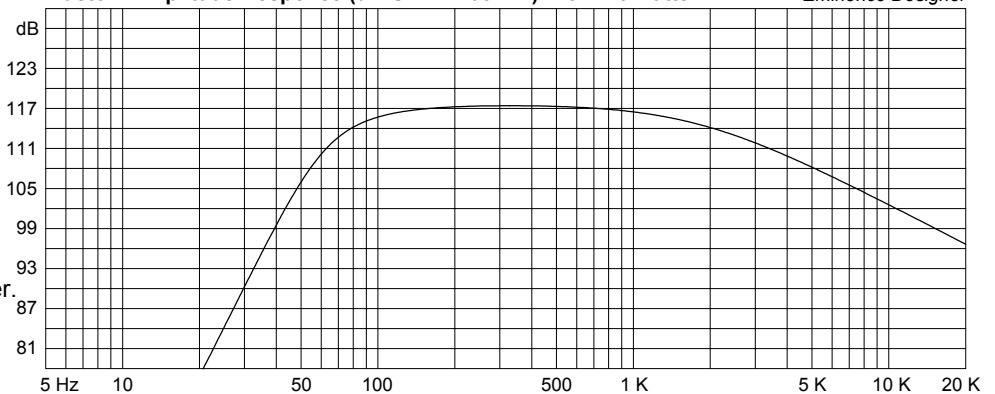
Le = 0.49 mH

Z = 8 ohms

Pe = 225 watts

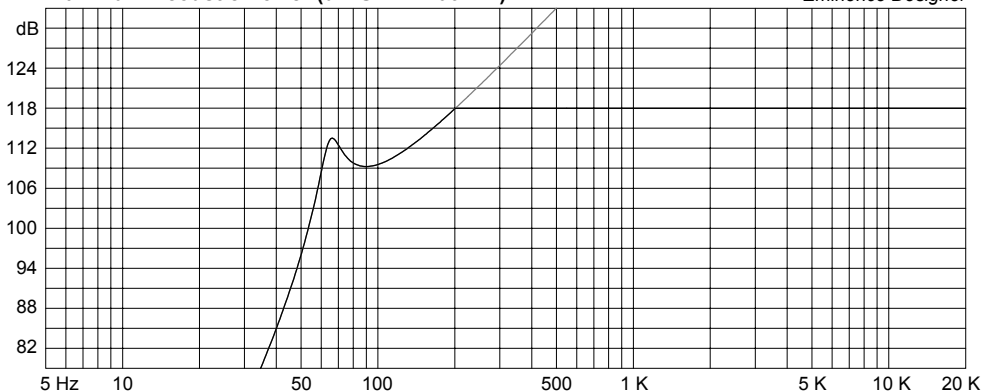
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 145 watts

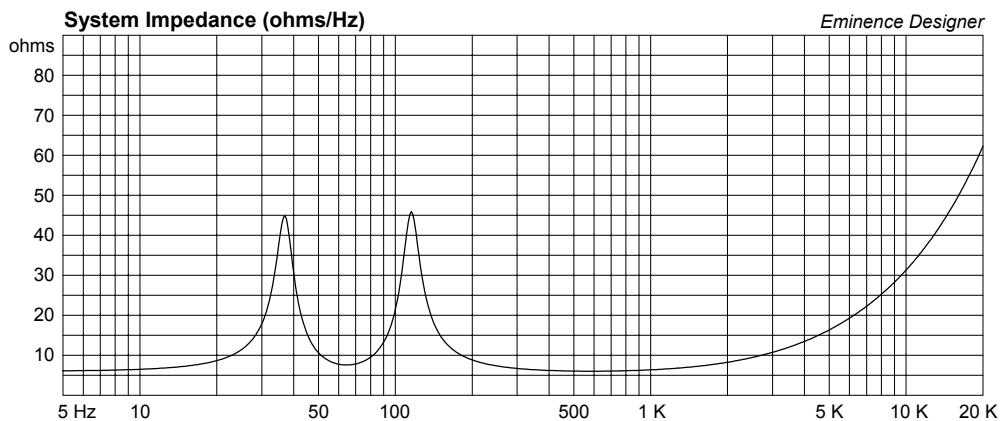
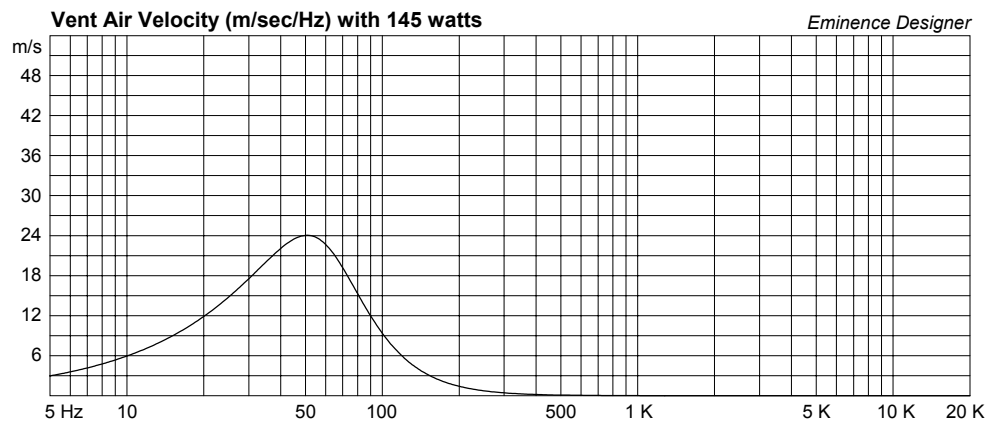
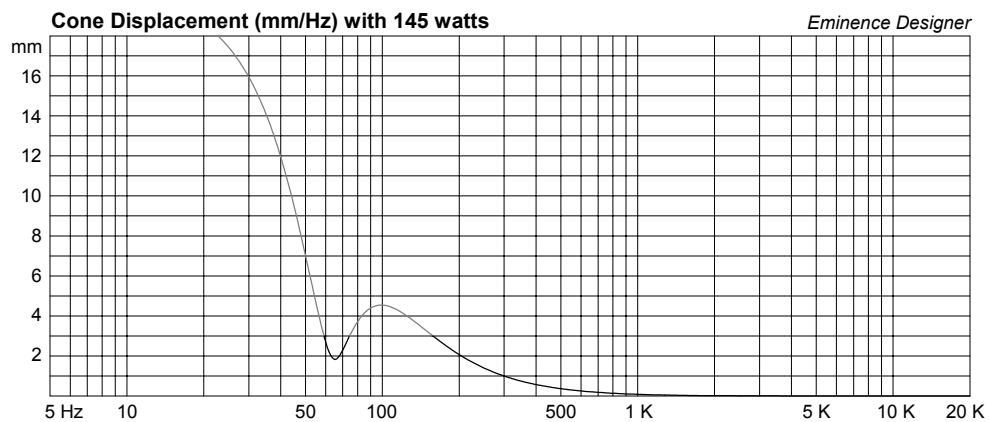
Eminence Designer



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

Eminence Designer





Beta8 Sealed High Power Midrange Enclosure

By McJerry, Eminence Speaker LLC

Thermal Limit of 225 Watts; Use a steep High Pass filter set to 200 Hz or higher.

Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 0.177 cu.ft

V(total) = 0.204 cu.ft

Qtc = 0.703

QL = 20

F3 = 146.2 Hz

Fill = heavy

Driver Properties

--Description--

Name: Beta-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: 2 inch (50.8 mm) coated copper.

Magnet: 34 oz ferrite magnet.

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 65.1 Hz

Qms = 5

Vas = 24.29 liters

Xmax = 3 mm

Sd = 210 sq.cm

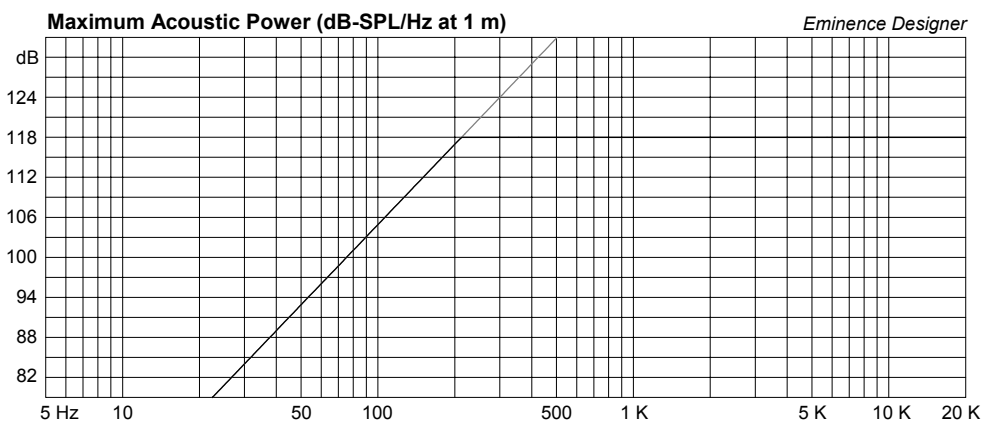
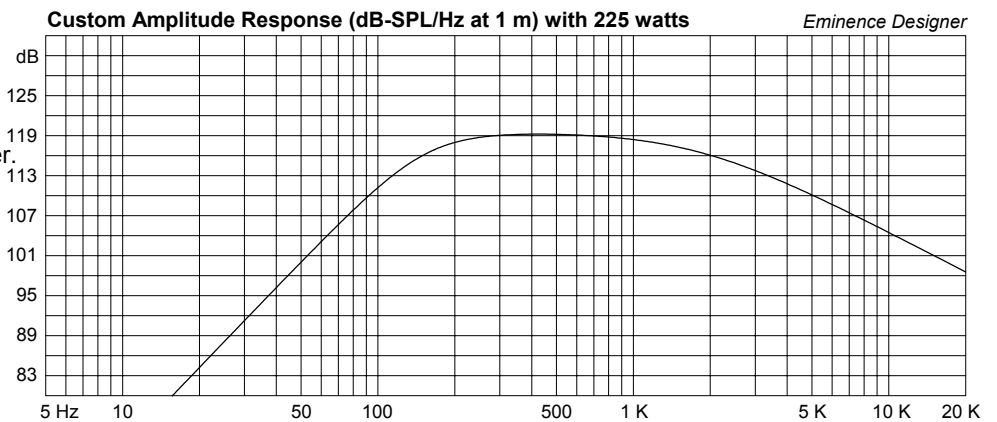
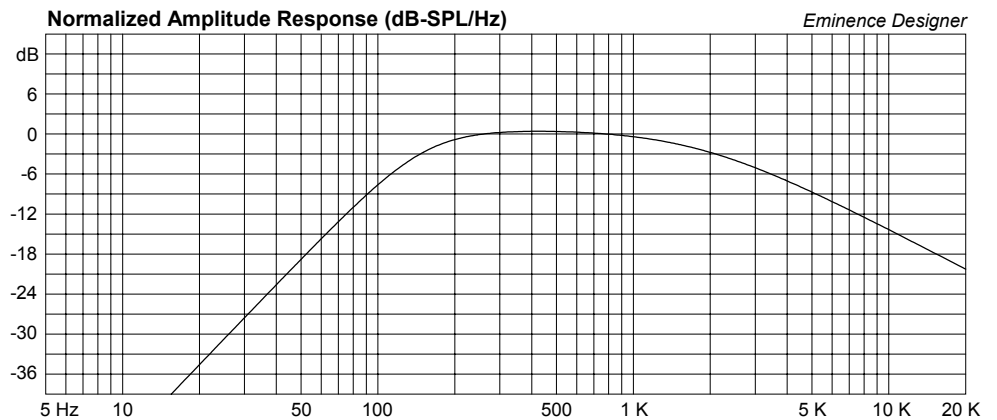
Qes = 0.42

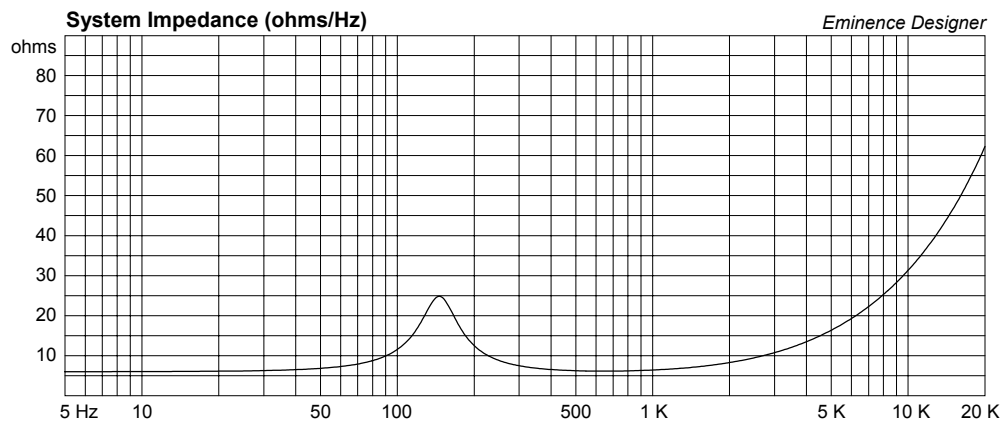
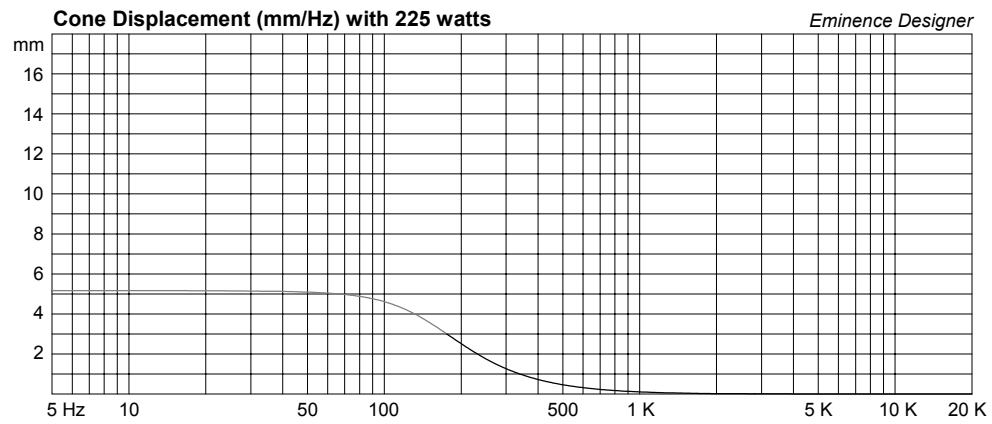
Re = 6 ohms

Le = 0.49 mH

Z = 8 ohms

Pe = 225 watts





Beta8 Small Vented Mid Range Enclosure

By McJerry, Eminence Speaker LLC

Displacement Limited to 150 Watts; use a steep High Pass filter set to 130 Hz or higher.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 0.28 cu.ft

V(total) = 0.33 cu.ft

Fb = 95 Hz

QL = 7

F3 = 101.6 Hz

Fill = minimal

--Vents--

No. of Vents = 1

Vent shape = round

Vent ends = one flush

Dv = 3 in

Lv = 4.841 in

Driver Properties

--Description--

Name: Beta-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: 2 inch (50.8 mm) coated copper.

Magnet: 34 oz ferrite magnet.

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 65.1 Hz

Qms = 5

Vas = 24.29 liters

Xmax = 3 mm

Sd = 210 sq.cm

Qes = 0.42

Re = 6 ohms

Le = 0.49 mH

Z = 8 ohms

Pe = 225 watts

