

Alpha10A Med. Vented Cabinet, Good for Voice PA/BG Practice Amp

By McJerry, Eminence Speaker LLC

Displacement Limited to 50 Watts; semi-full range use ok, for best results use a steep high pass filter set to 50 Hz or higher.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 1.8 cu.ft

V(total) = 1.837 cu.ft

Fb = 55 Hz

QL = 7

F3 = 57.05 Hz

Fill = minimal

--Vents--

No. of Vents = 1

Vent shape = round

Vent ends = one flush

Dv = 3.076 in

Lv = 0.75 in

Driver Properties

--Description--

Name: Alpha-10

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised NOV 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 = 50 Hz

Qms = 5.21

Vas = 82.2 liters

Xmax = 3.2 mm

Sd = 355.4 sq.cm

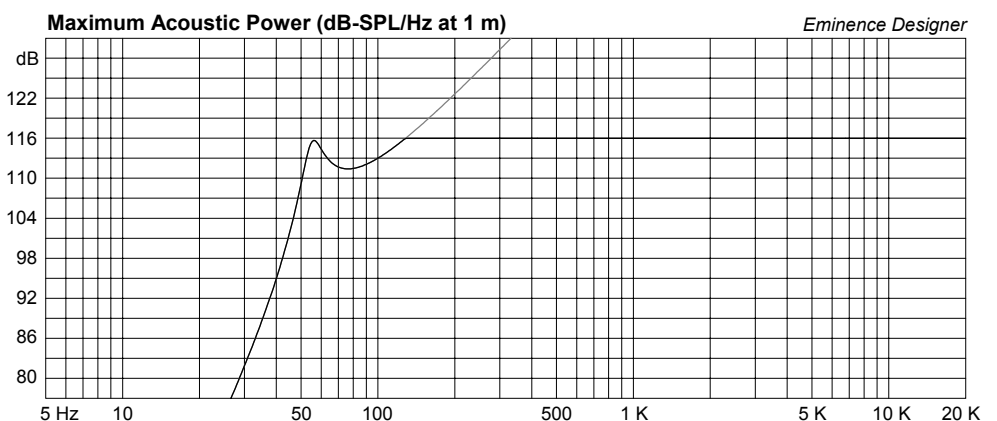
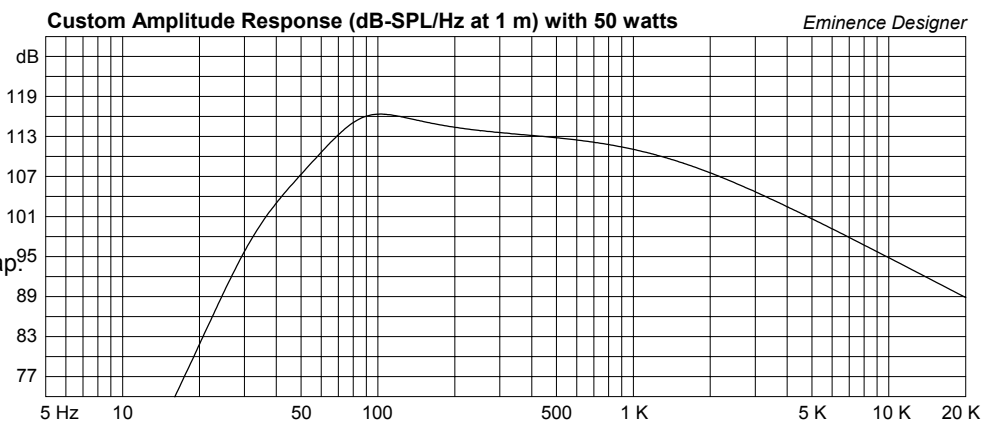
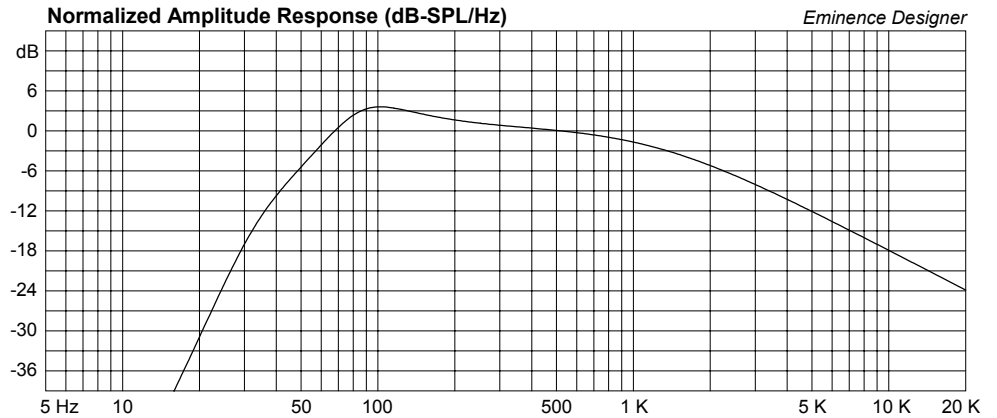
Qes = 0.66

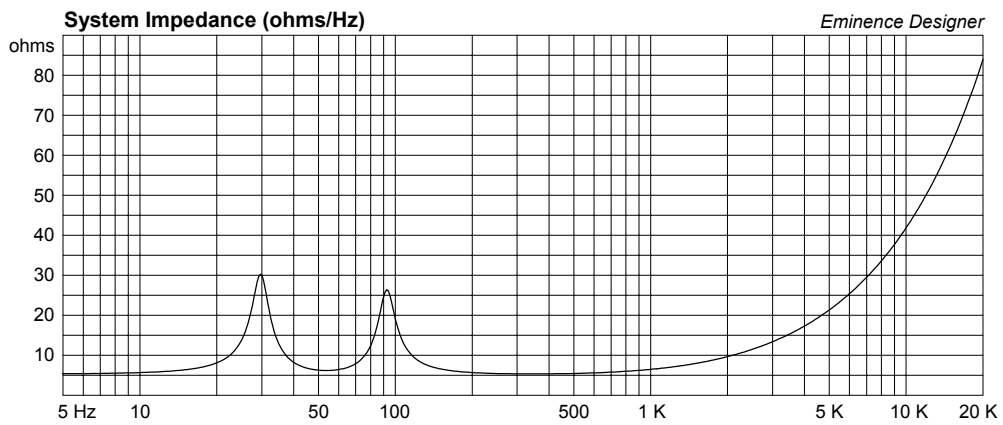
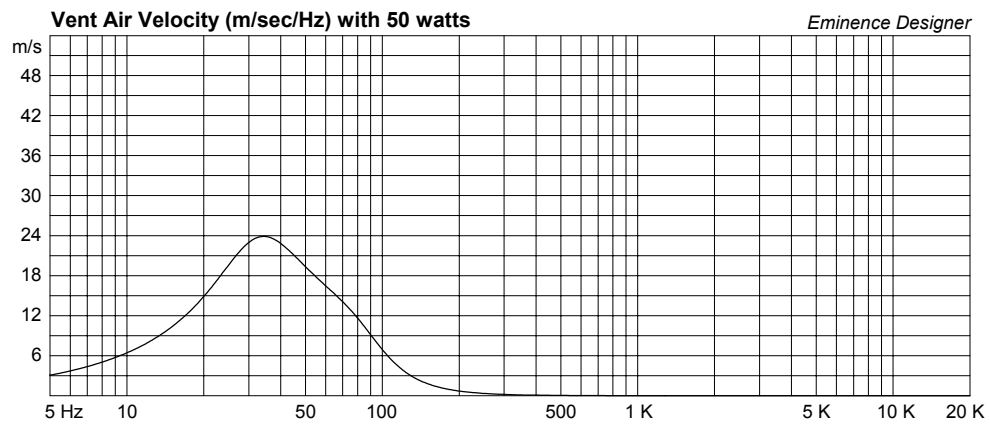
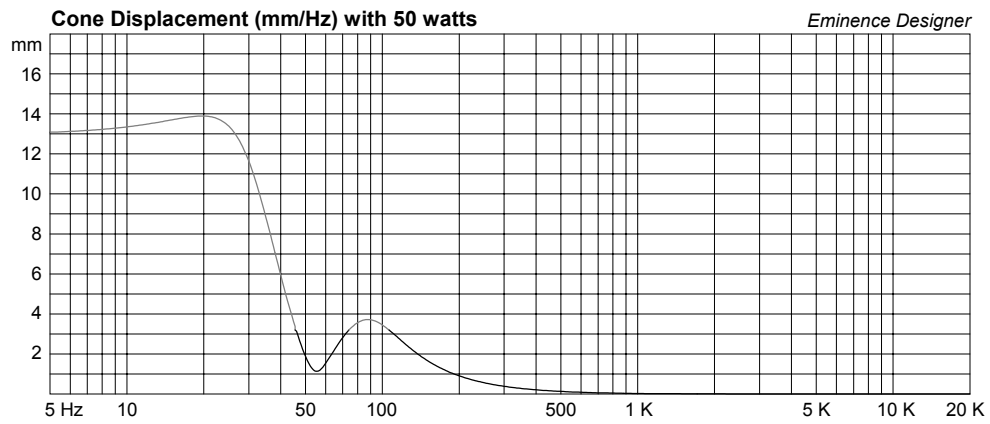
Re = 5.31 ohms

Le = 0.66 mH

Z = 8 ohms

Pe = 150 watts





Alpha10A Small Sealed Cabinet, Mid High or Small Floor Wedge

By McJerry, Eminence Speaker LLC

150 Watt Thermal Limit; use with a steep high pass filter set to 150 Hz or higher.

Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 0.29 cu.ft

V(total) = 0.323 cu.ft

Qtc = 1.243

QL = 20

F3 = 113.4 Hz

Fill = heavy

Driver Properties

--Description--

Name: Alpha-10

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised NOV 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 = 50 Hz

Qms = 5.21

Vas = 82.2 liters

Xmax = 3.2 mm

Sd = 355.4 sq.cm

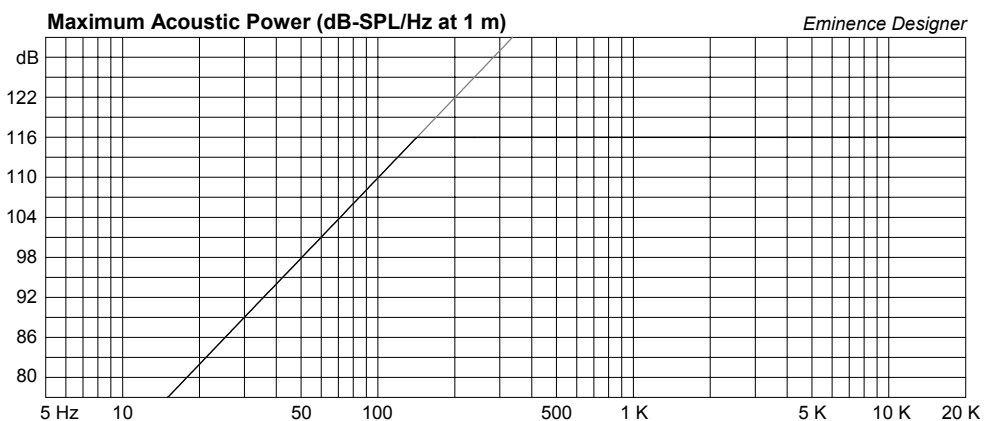
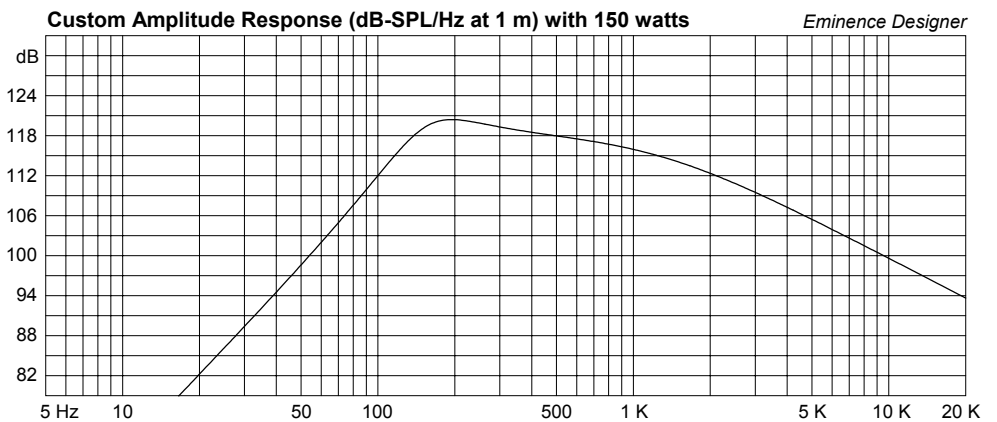
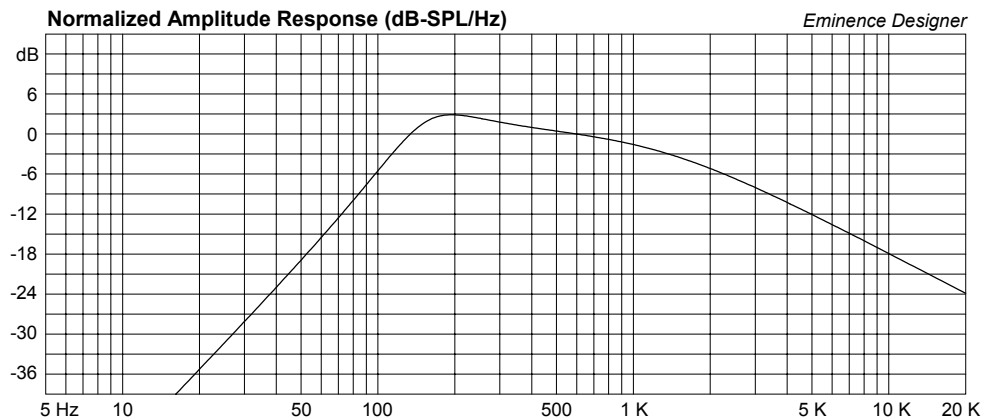
Qes = 0.66

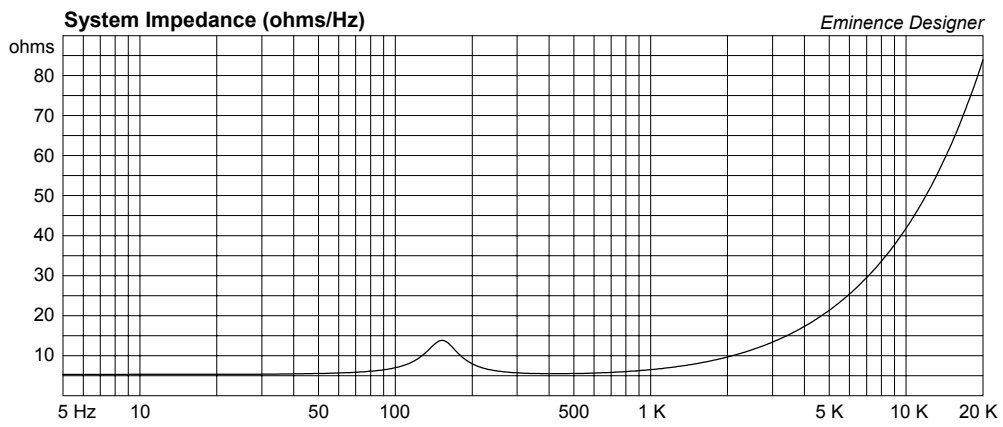
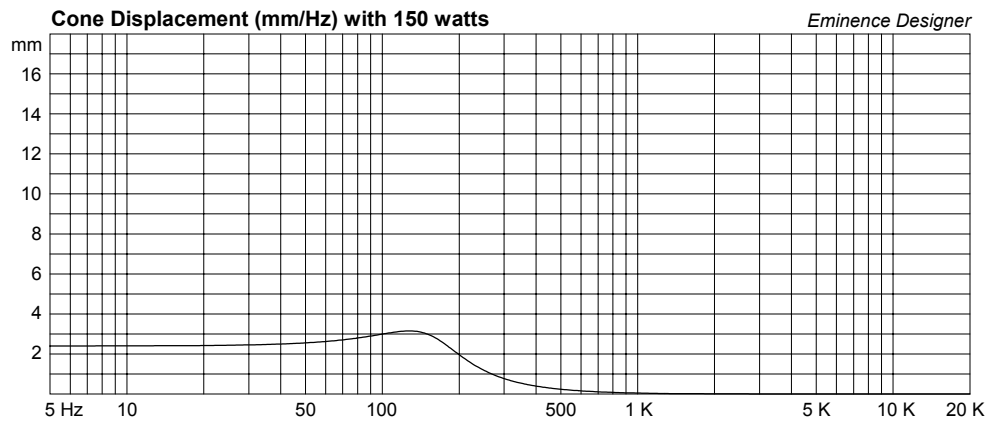
Re = 5.31 ohms

Le = 0.66 mH

Z = 8 ohms

Pe = 150 watts





Alpha10A Small Vented Cabinet, Small Floor Wedge or Sat.

By McJerry, Eminence Speaker LLC

Displacement Limited to 100 Watts; use a steep high pass filter set to 100 Hz or higher.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 1 cu.ft

V(total) = 1.039 cu.ft

Fb = 85 Hz

QL = 7

F3 = 78.4 Hz

Fill = minimal

--Vents--

No. of Vents = 1

Vent shape = round

Vent ends = one flush

Dv = 3.911 in

Lv = 0.75 in

Driver Properties

--Description--

Name: Alpha-10

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised NOV 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 = 50 Hz

Qms = 5.21

Vas = 82.2 liters

Xmax = 3.2 mm

Sd = 355.4 sq.cm

Qes = 0.66

Re = 5.31 ohms

Le = 0.66 mH

Z = 8 ohms

Pe = 150 watts

