

Alpha15A Large Vented Enclosure

By Jerry McNutt, Eminence Speaker LLC
100 Watt Displacement Limited; F3 46 Hz
Will Require EQ to Flatten out.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 6 cu.ft

V(total) = 6.136 cu.ft

Fb = 55 Hz

QL = 7

F3 = 45.9 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 5.468 in

Lv = 0.75 in

Driver Properties

--Description--

Name: Alpha-15

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised OCT 2005

Piston: Ribbed 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: 25 oz ferrite magnet.

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 41 Hz

Qms = 7.23

Vas = 260 liters

Xmax = 3.8 mm

Sd = 856.3 sq.cm

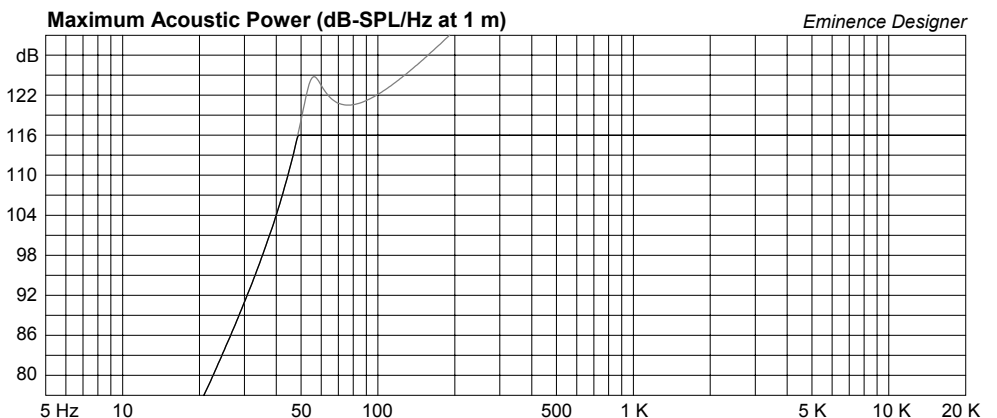
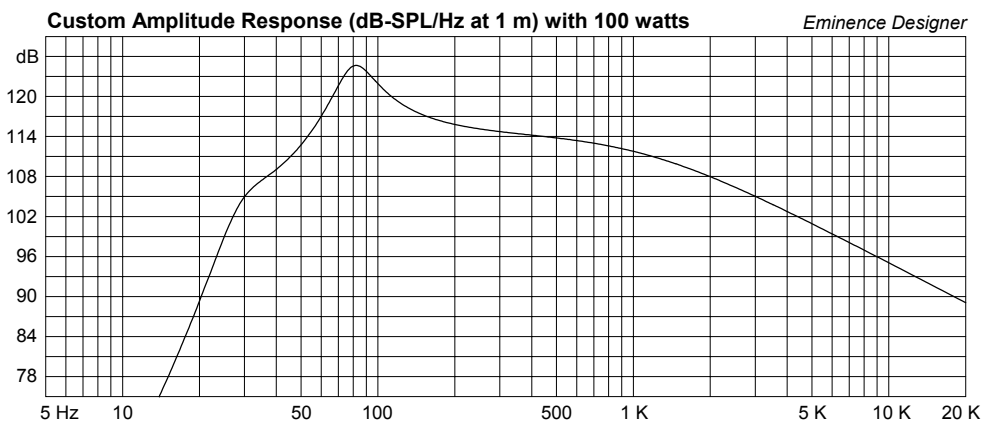
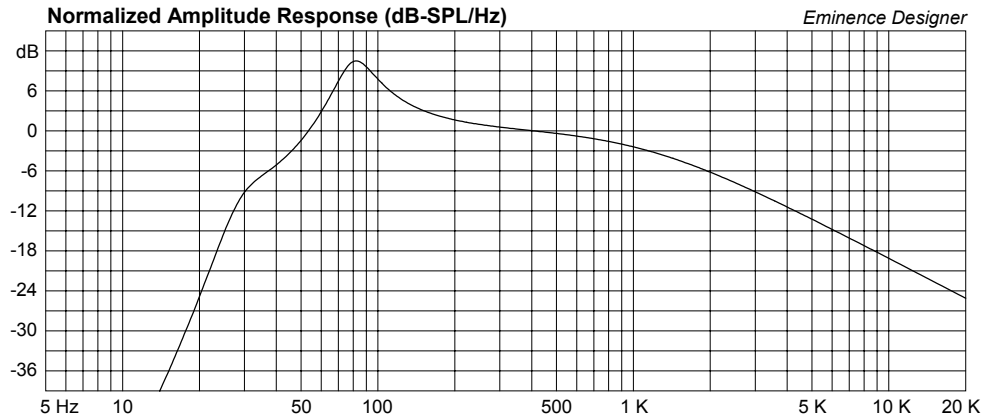
Qes = 1.53

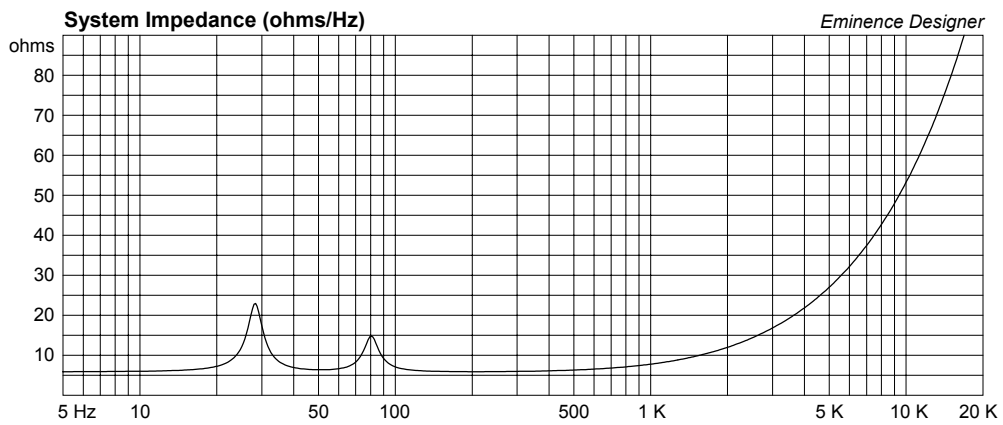
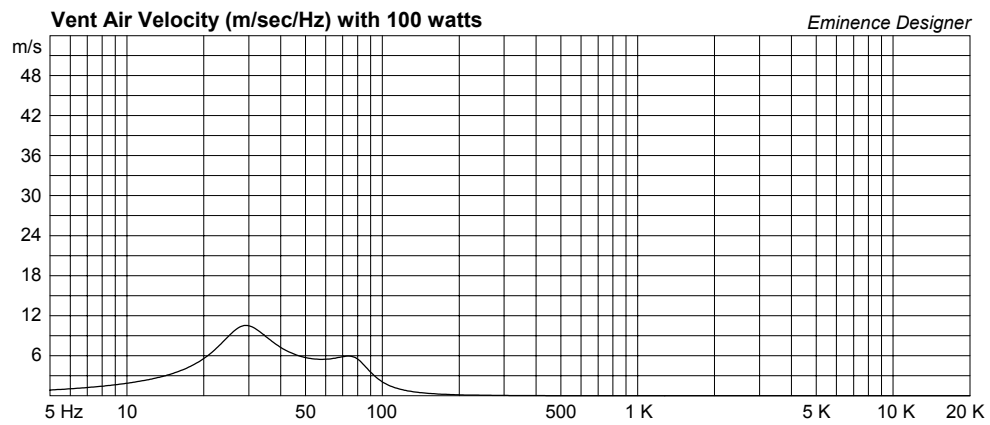
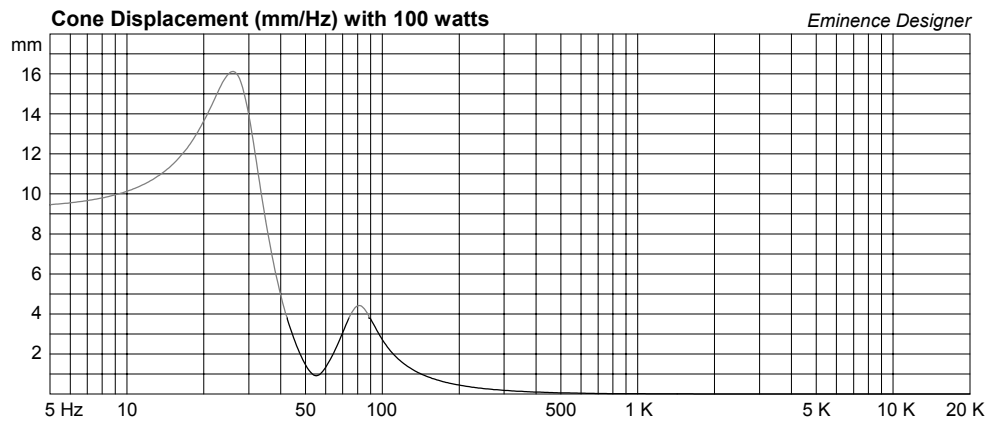
Re = 5.88 ohms

Le = 0.84 mH

Z = 8 ohms

Pe = 200 watts





Alpha15A Med Vented Enclosure

By Jerry McNutt, Eminence Speaker LLC

100 Watt Displacement Limit; F3 55 Hz. Will Require EQ to Flatten Out.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 3.75 cu.ft

V(total) = 3.876 cu.ft

Fb = 55 Hz

QL = 7

F3 = 55.12 Hz

Fill = minimal

--Vents--

No. of Vents = 1

Vent shape = round

Vent ends = one flush

Dv = 5.817 in

Lv = 0.75 in

Driver Properties

--Description--

Name: Alpha-15

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised OCT 2005

Piston: Ribbed 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: 25 oz ferrite magnet.

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 41 Hz

Qms = 7.23

Vas = 260 liters

Xmax = 3.8 mm

Sd = 856.3 sq.cm

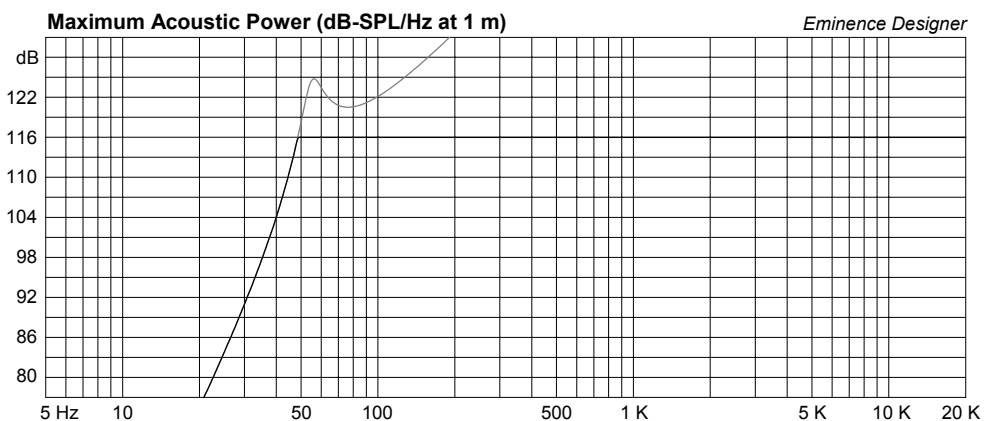
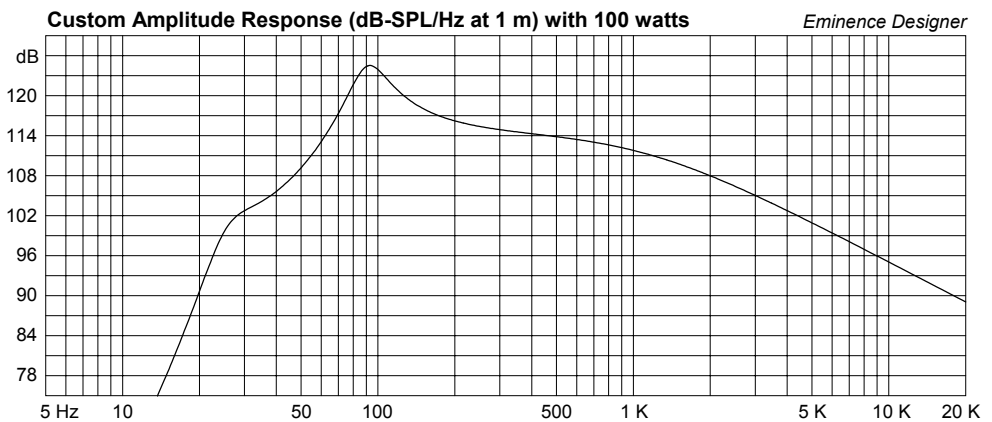
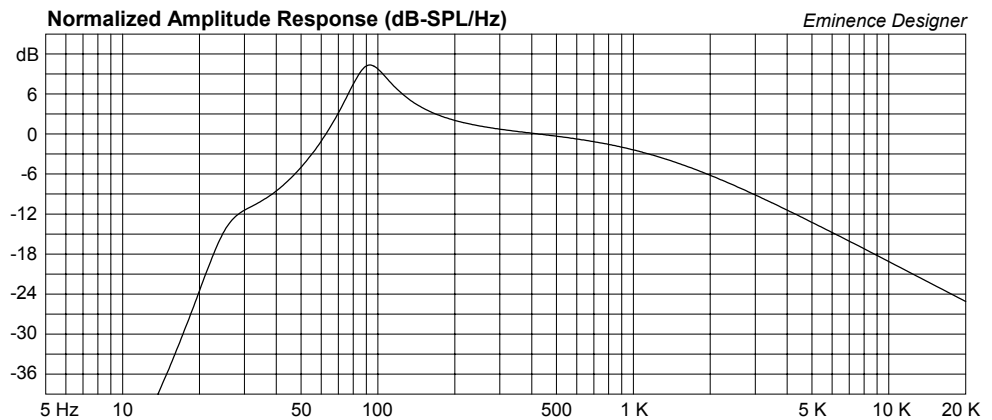
Qes = 1.53

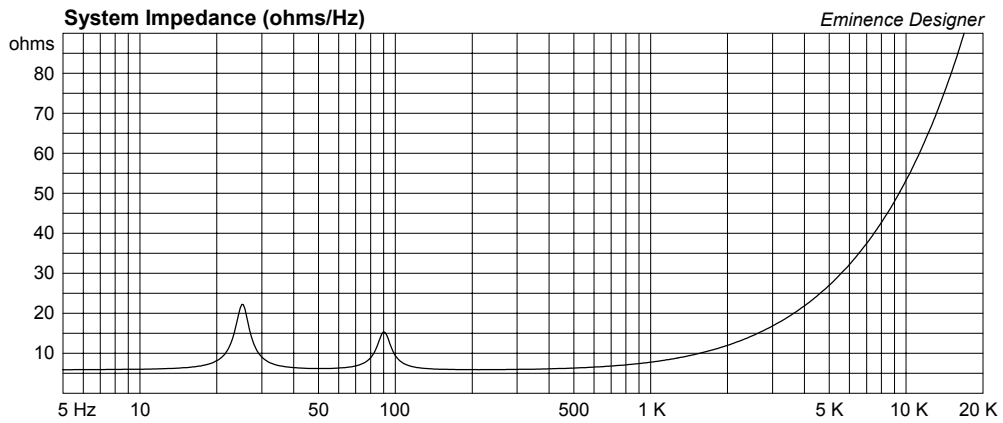
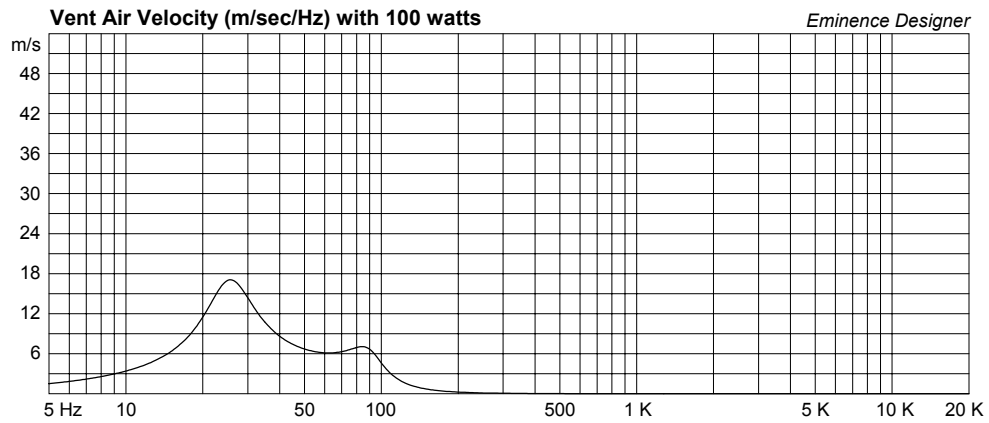
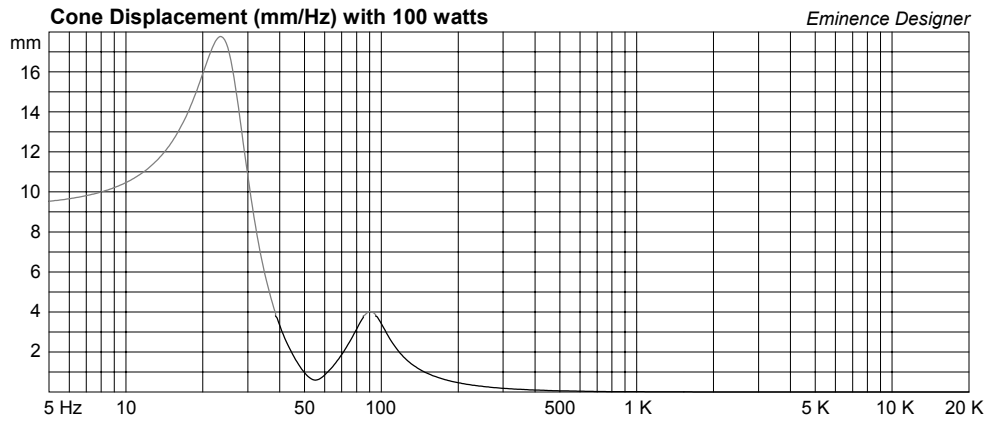
Re = 5.88 ohms

Le = 0.84 mH

Z = 8 ohms

Pe = 200 watts





Alpha15A Sealed Bass Guitar/ FR Enclosure

By Jerry McNutt, Eminence Speaker LLC

100 Watt Displacement Limit; F3 57 Hz. Will Require EQ to Flatten out.

Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 2.716 cu.ft

V(total) = 2.829 cu.ft

Qtc = 1.5

QL = 16.54

F3 = 56.93 Hz

Fill = heavy

Driver Properties

--Description--

Name: Alpha-15

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised OCT 2005

Piston: Ribbed 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: 25 oz ferrite magnet.

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 41 Hz

Qms = 7.23

Vas = 260 liters

Xmax = 3.8 mm

Sd = 856.3 sq.cm

Qes = 1.53

Re = 5.88 ohms

Le = 0.84 mH

Z = 8 ohms

Pe = 200 watts

