

OmegaPro18C Larger Vented Cabinet

By McJerry, Eminence Speaker LLC

Displacement Limited to 200 Watts; F3 of 40 Hz. Use a steep high pass filter set to 30 Hz to protect woofer from overexcursion.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 6 cu.ft

V(total) = 6.503 cu.ft

Fb = 35 Hz

QL = 7

F3 = 40.39 Hz

Fill = minimal

--Vents--

No. of Vents = 4

Vent shape = round

Vent ends = one flush

Dv = 3 in

Lv = 6.54 in

Driver Properties

--Description--

Name: Omega Pro-18 (4 ohm)

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: Diecast aluminum basket.

Voice Coil: 4 inch (101.6 mm) copper.

Magnet: 109 oz ferrite magnet.

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 22.8 Hz

Qms = 6.414

Vas = 638.6 liters

Xmax = 4.8 mm

Sd = 1159 sq.cm

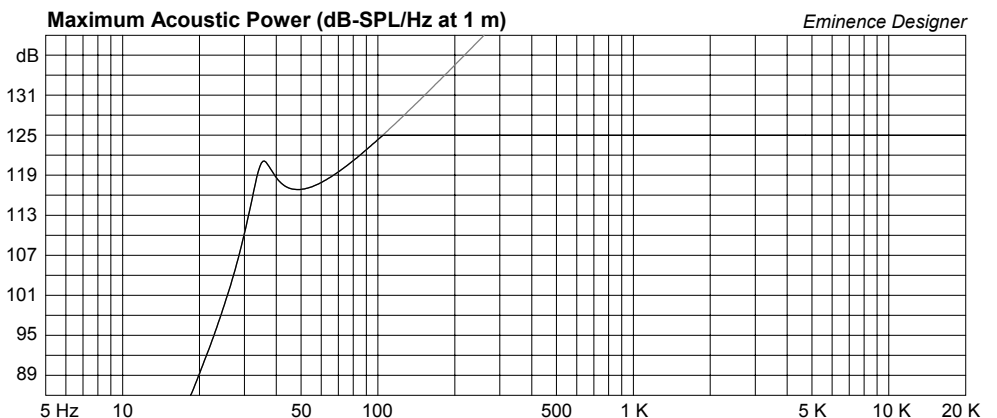
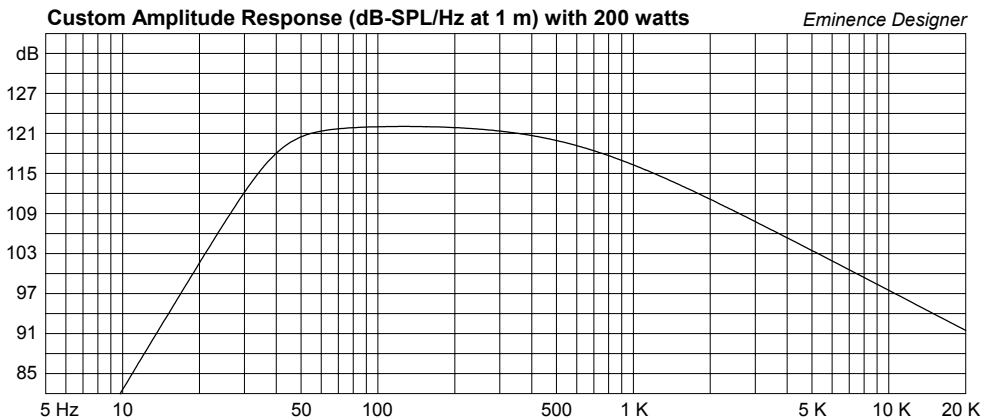
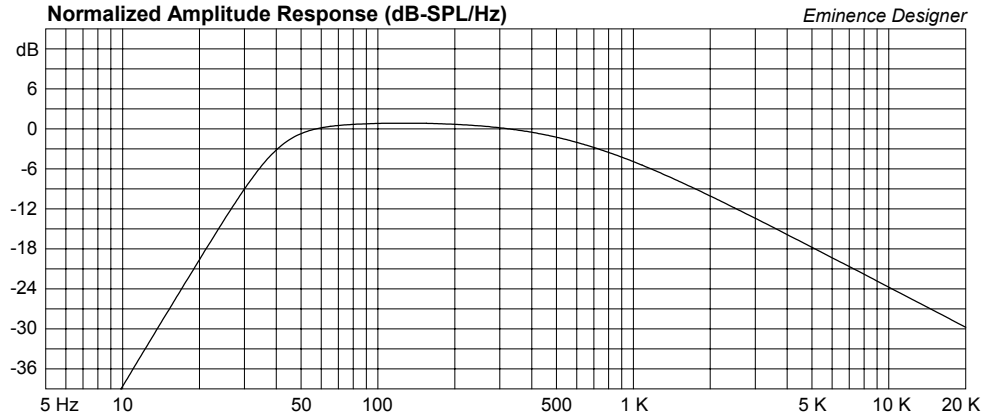
Qes = 0.29

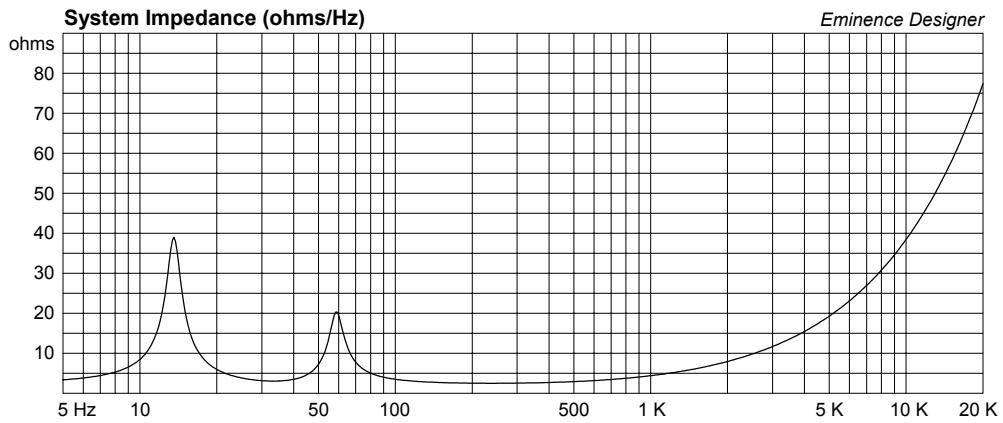
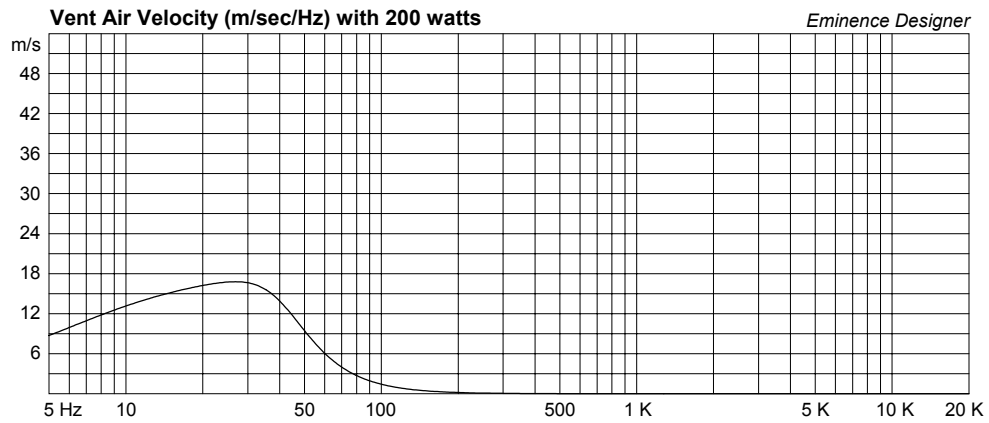
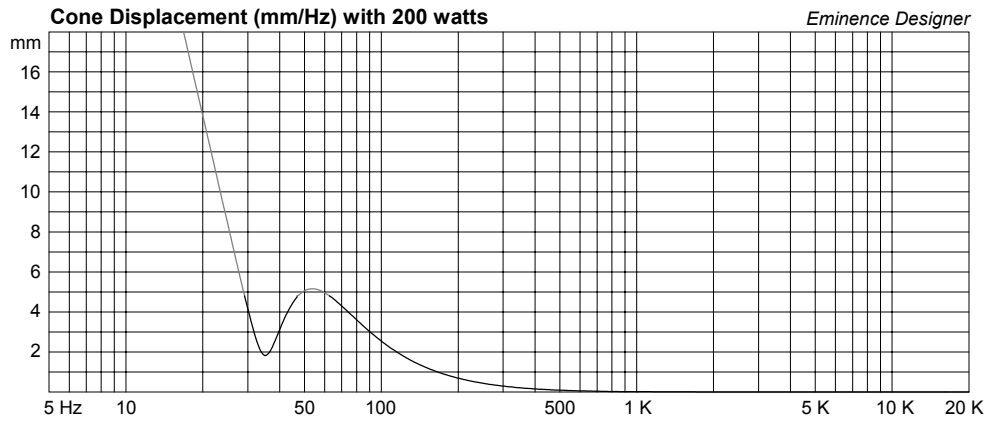
Re = 2.5 ohms

Le = 0.61 mH

Z = 4 ohms

Pe = 800 watts





OmegaPro18C Med Vented Cabinet

By McJerry, Eminence Speaker LLC

Displacement Limited to 250 Watts; F3 of 44 Hz. Use a steep high pass filter set to 35 Hz to protect woofer from overexcursion.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 4.9 cu.ft

V(total) = 5.39 cu.ft

Fb = 40 Hz

QL = 7

F3 = 43.92 Hz

Fill = minimal

--Vents--

No. of Vents = 4

Vent shape = round

Vent ends = one flush

Dv = 3 in

Lv = 5.866 in

Driver Properties

--Description--

Name: Omega Pro-18 (4 ohm)

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: Diecast aluminum basket.

Voice Coil: 4 inch (101.6 mm) copper.

Magnet: 109 oz ferrite magnet.

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 22.8 Hz

Qms = 6.414

Vas = 638.6 liters

Xmax = 4.8 mm

Sd = 1159 sq.cm

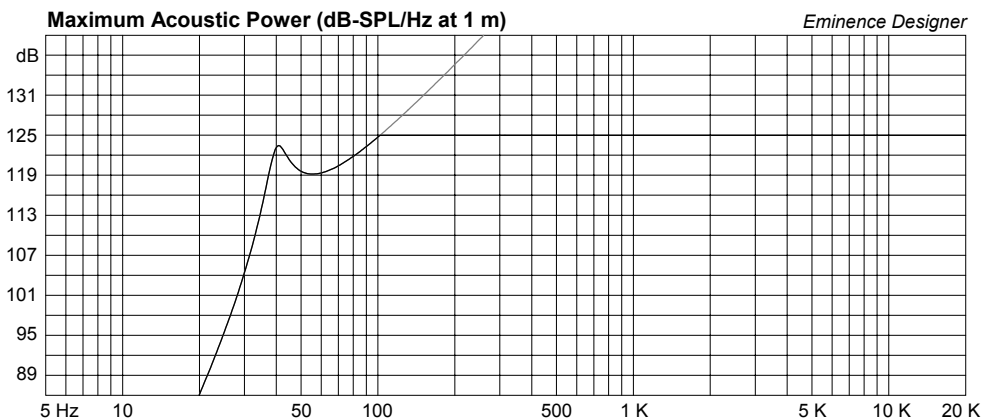
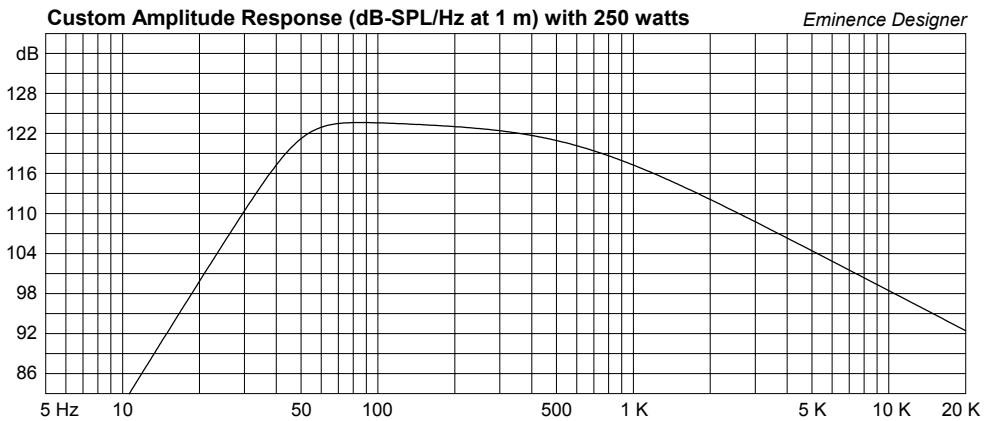
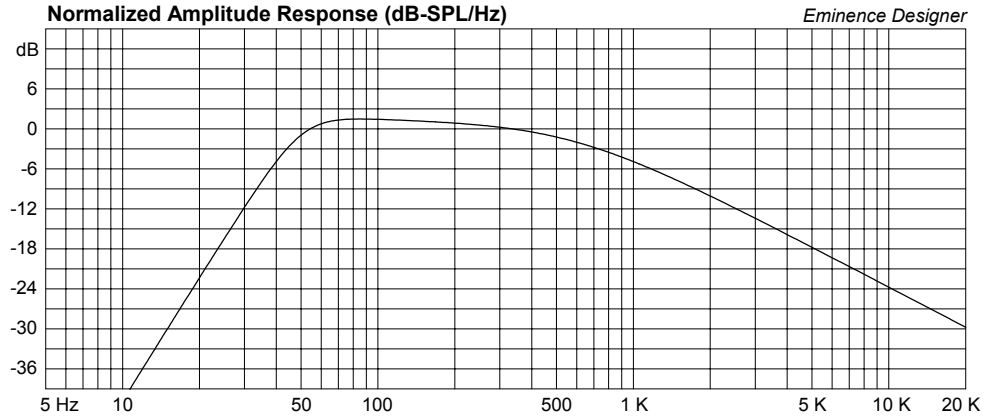
Qes = 0.29

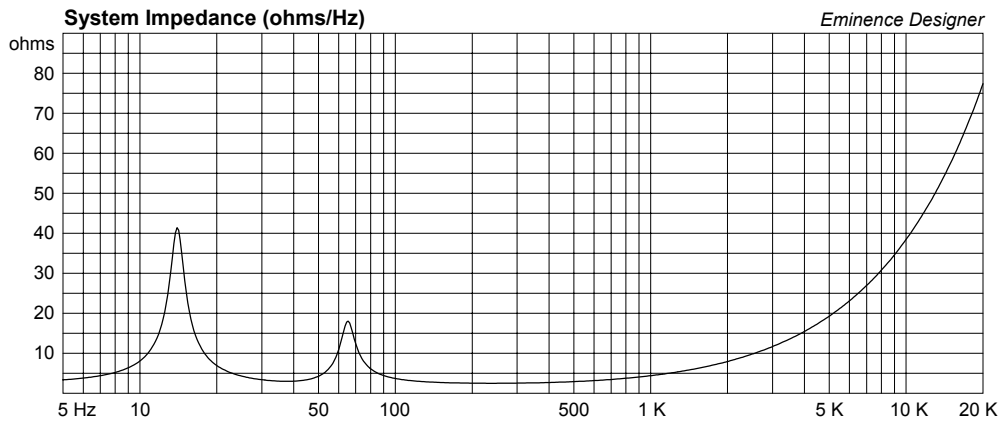
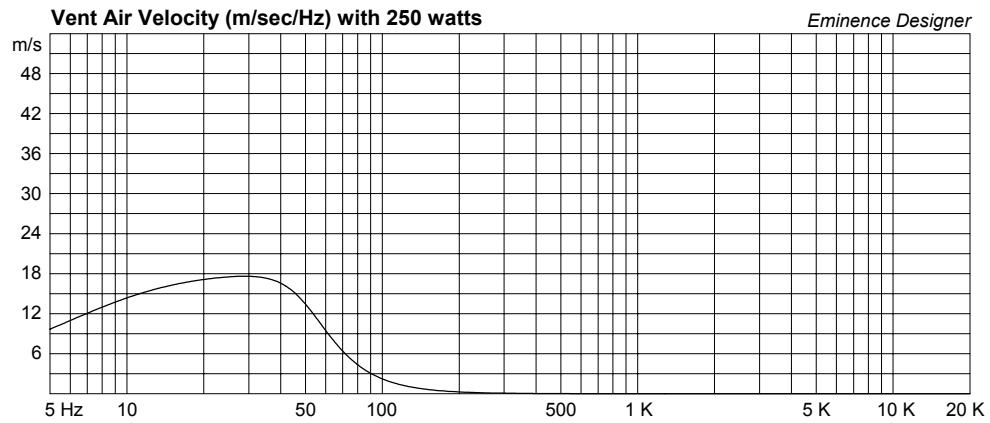
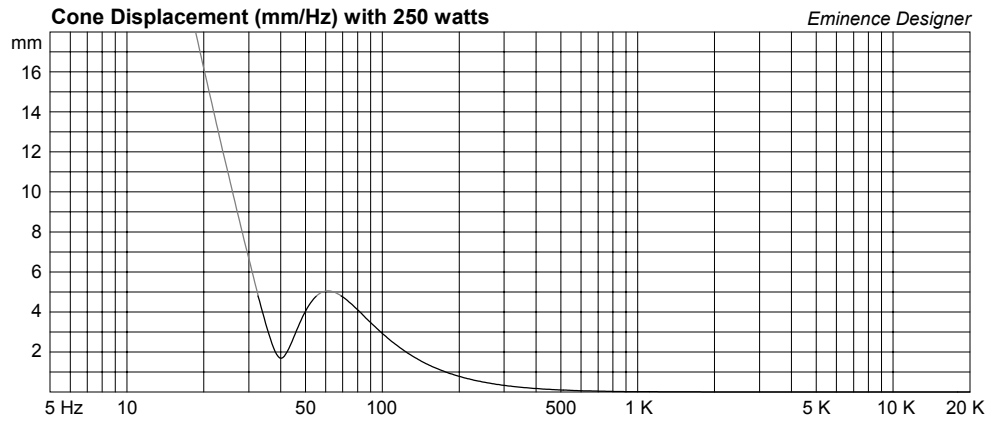
Re = 2.5 ohms

Le = 0.61 mH

Z = 4 ohms

Pe = 800 watts





OmegaPro18C Small Vented Cabinet

By McJerry, Eminence Speaker LLC

Displacement Limited to 400 Watts; F3 of 54 Hz. Use a steep high pass filter set to 40 Hz to protect woofer from overexcursion.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 3 cu.ft

V(total) = 3.535 cu.ft

Fb = 46 Hz

QL = 7

F3 = 53.69 Hz

Fill = minimal

--Vents--

No. of Vents = 4

Vent shape = round

Vent ends = one flush

Dv = 3 in

Lv = 8.242 in

Driver Properties

--Description--

Name: Omega Pro-18 (4 ohm)

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: Diecast aluminum basket.

Voice Coil: 4 inch (101.6 mm) copper.

Magnet: 109 oz ferrite magnet.

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 22.8 Hz

Qms = 6.414

Vas = 638.6 liters

Xmax = 4.8 mm

Sd = 1159 sq.cm

Qes = 0.29

Re = 2.5 ohms

Le = 0.61 mH

Z = 4 ohms

Pe = 800 watts

