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)

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

Maximum Acoustic Power (dB-SPL/Hz at 1 m)
Cone Displacement (mm/Hz) with 50 watts

Vent Air Velocity (m/sec/Hz) with 50 watts

System Impedance (ohms/Hz)
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: Alpha8 Sealed Midrange Enclosure
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
Cone Displacement (mm/Hz) with 125 watts

System Impedance (ohms/Hz)
**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: Vented Box
Type: 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