

Specification

Nominal Basket Diameter	15", 381mm
Nominal Impedance*	8 ohms
Power Rating**	
Watts	600W
Music Program	1200W
Resonance	39Hz
Usable Frequency Range***	38Hz-2.7kHz
Sensitivity	99
Magnet Weight	95 oz
Gap Height	0.375", 9.53mm
Voice Coil Diameter	3", 76.2mm

Thiele & Small Parameters

Resonant Frequency (fs)	39Hz
DC Resistance (Re)	5.4
Coil Inductance (Le)	1.27mH
Mechanical Q (Qms)	6.08
Electromagnetic Q (Qes)	0.41
Total Q (Qts)	0.38
Compliance Equivalent Volume (Vas)	159.0 ltr/5.6 cu. ft.
Peak Diaphragm Displacement Volume (Vd)	471cc
Mechanical Compliance of Suspension (Cms)	0.15mm/N
BL Product (BL)	18.6 T-M
Diaphragm Mass inc. Airload (Mms)	105 grams
Efficiency Bandwidth Product (EBP)	95
Maximum Linear Excursion (Xmax)	5.5mm
Surface Area of Cone (Sd)	856.3cm ²
Maximum Mechanical Limit (Xlim)	10.4mm

Mounting Information

Recommended Enclosure Volume	
Sealed	N/A
Vented	62-193 ltr/2.2-6.8 cu. ft.
Overall Diameter	15.16", 384.9mm
Baffle Hole Diameter	13.77", 349.6mm
Front Sealing Gasket	Fitted as Standard
Rear Sealing Gasket	Fitted as Standard
Mounting Holes Diameter	0.25", 6.4mm
Mounting Holes B.C.D.	14.56", 369.9mm
Depth	6.38", 162mm
Net Weight	20 lbs, 9.1 kg
Shipping Weight	22.3 lbs, 10.1 kg

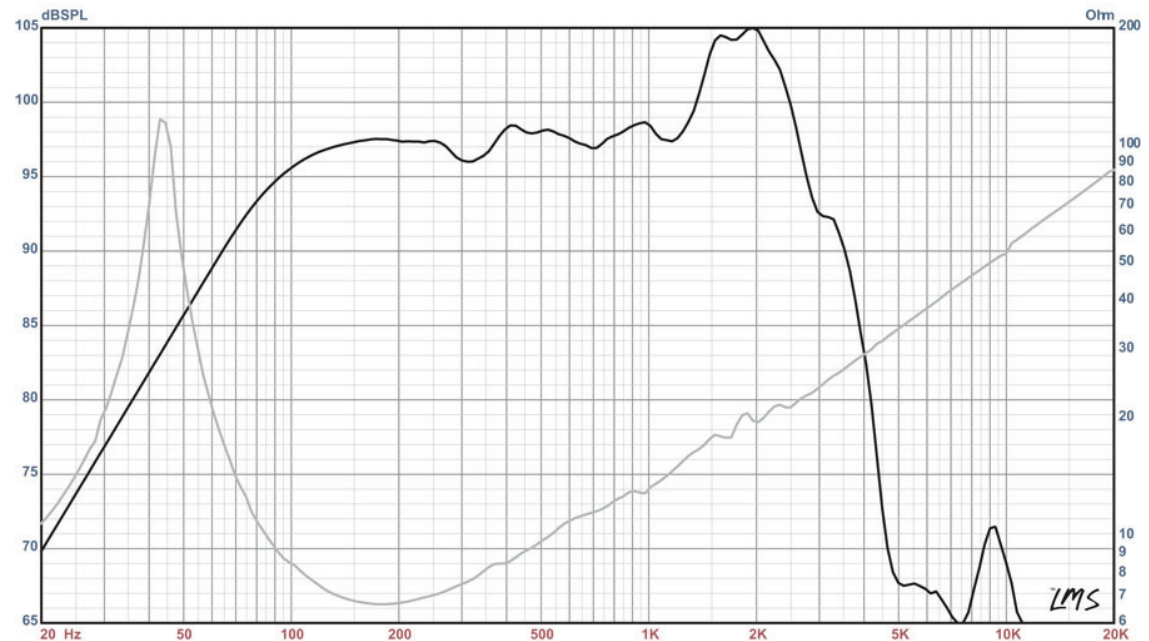
Materials of Construction

Coil Construction	Copper
Coil	Polyimide
Magnet Composition	Ferrite
Core Details	Vented
Basket Materials	Pressed Steel
Cone Composition	Paper
Cone Edge Composition	Cloth
Dust Cap Composition	Solid Composition Paper



KAPPA-15LFA American Standard Series

Recommended for professional audio in a vented mid-bass or bass enclosure. Also suitable for bass guitar.



* Please inquire about alternative impedances.

** Multiple units exceed published rating evaluated under EIA 426A noise source and test standard while in a free-air, nontemperature-controlled environment.

*** The average output across the usable frequency range when applying 1W/1m into the nominal impedance. i.e. 2.83 V/8 ohms, 4 V/16 ohms.

Eminence response curves are measured under the following conditions: All speakers are tested at 1W/1m using a variety of test set-ups for the appropriate impedance | LMS using 0.25" supplied microphone (software calibrated) mounted 1m from wall/baffle | 2 ft. X 2 ft. baffle is built into the wall with the speaker mounted flush against a steel ring for minimum diffraction | Hafler P1500 Trans-Nova amplifier | 2700 cu.ft. chamber with fiberglass on all six surfaces (three with custom-made wedges)

Kappa15LF Larger Sub Woofer Cabinet, Med Pwr, Very Low F3

By McJerry, Eminence Speaker LLC

Displacement limited to 250 watts. Must use a 24 dB per octave high pass filter set to 35 Hz or higher to protect driver from overexcursion. Place ports symetically around driver. Low power design. Deep Bass.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 6.512 cu.ft

V(total) = 6.875 cu.ft

Fb = 42 Hz

QL = 7

F3 = 38.46 Hz

Fill = minimal

--Vents--

No. of Vents = 4

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 6.609 in

Driver Properties

--Description--

Name: Kappa-15LF

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: 3 inch (76.2 mm) copper.

Magnet: 95 oz ferrite magnet.

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 39 Hz

Qms = 6.08

Vas = 159 liters

Xmax = 5.5 mm

Sd = 856.3 sq.cm

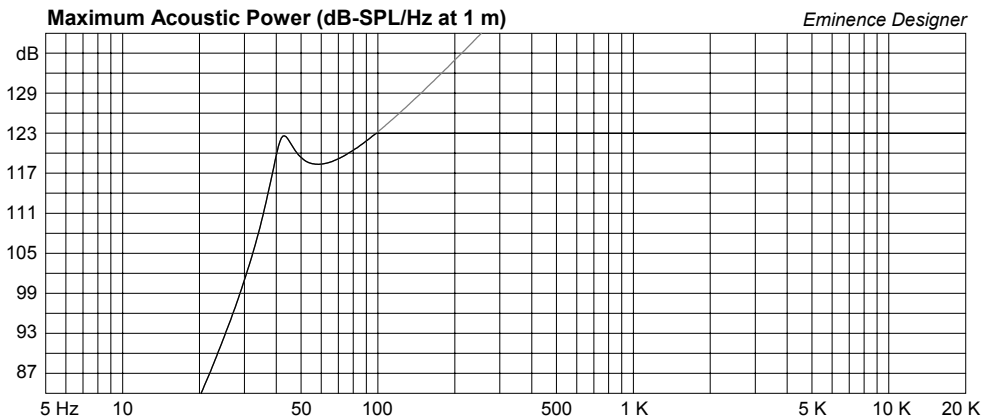
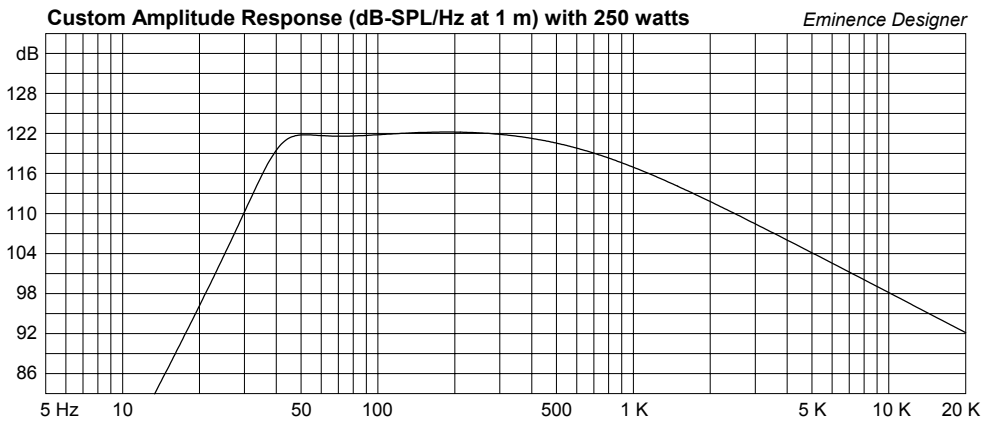
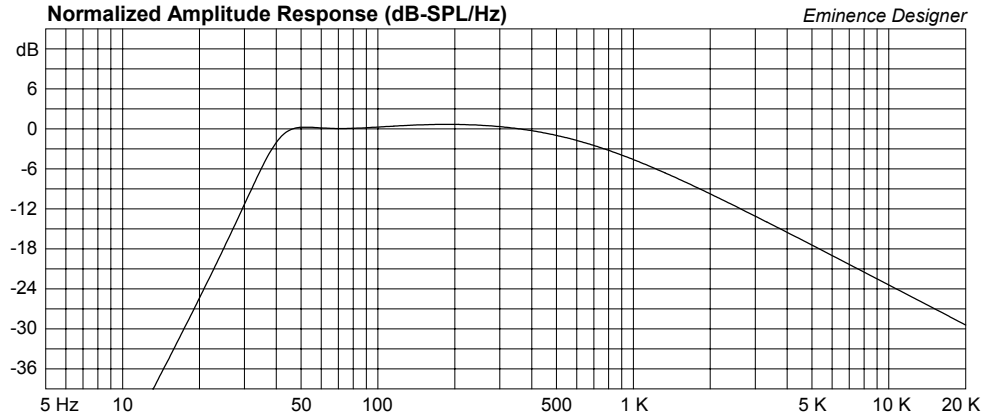
Qes = 0.41

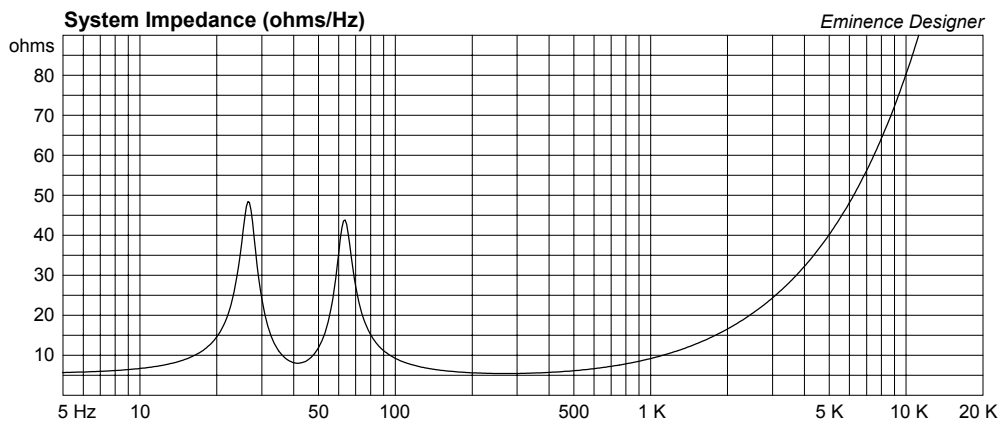
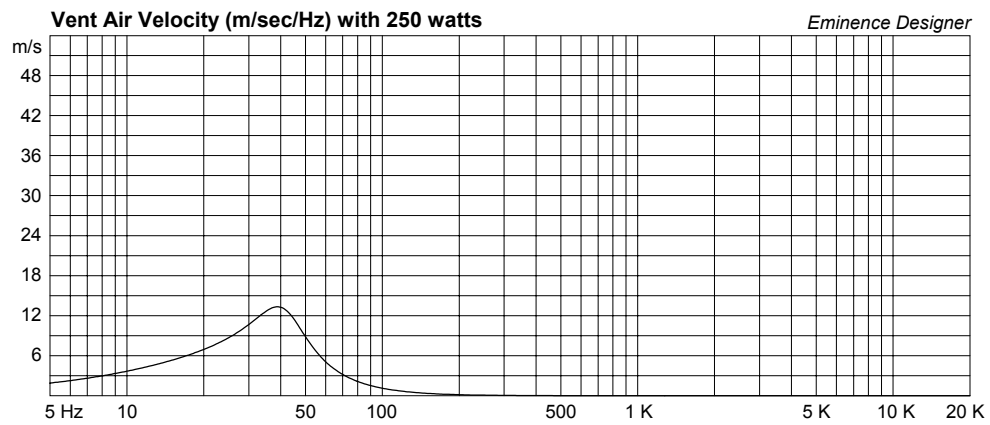
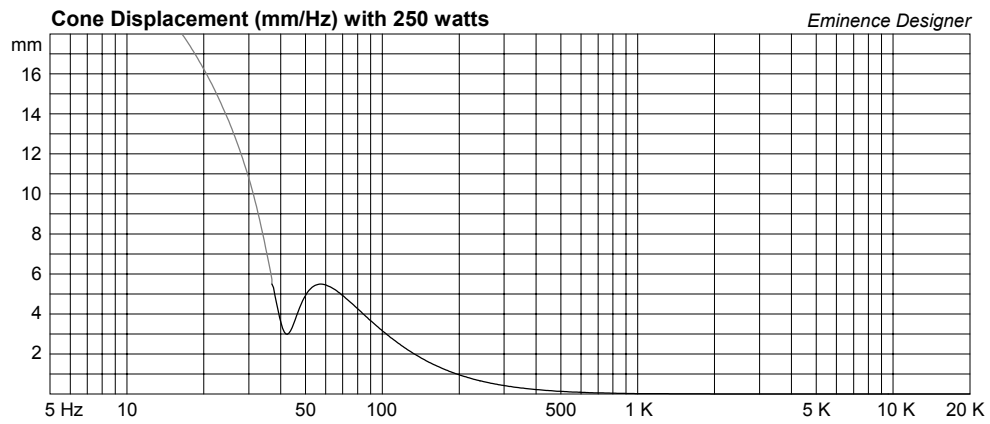
Re = 5.4 ohms

Le = 1.27 mH

Z = 8 ohms

Pe = 600 watts





Kappa15LF Med Vented Sub Box, Med Power and Low Fs

By McJerry, Eminence Speaker LLC

Displacement limited to 300 watts. Must use a 24 dB per octave high pass filter set to 40 Hz or higher to protect driver from overexcursion. Place ports symetically around driver.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 4 cu.ft

V(total) = 4.252 cu.ft

Fb = 45 Hz

QL = 7

F3 = 44.98 Hz

Fill = minimal

--Vents--

No. of Vents = 4

Vent shape = round

Vent ends = one flush

Dv = 3 in

Lv = 5.542 in

Driver Properties

--Description--

Name: Kappa-15LF

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: 3 inch (76.2 mm) copper.

Magnet: 95 oz ferrite magnet.

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 39 Hz

Qms = 6.08

Vas = 159 liters

Xmax = 5.5 mm

Sd = 856.3 sq.cm

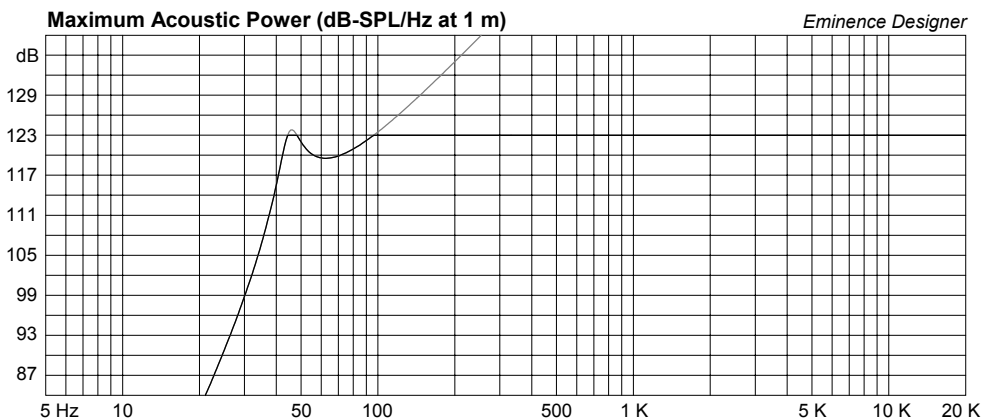
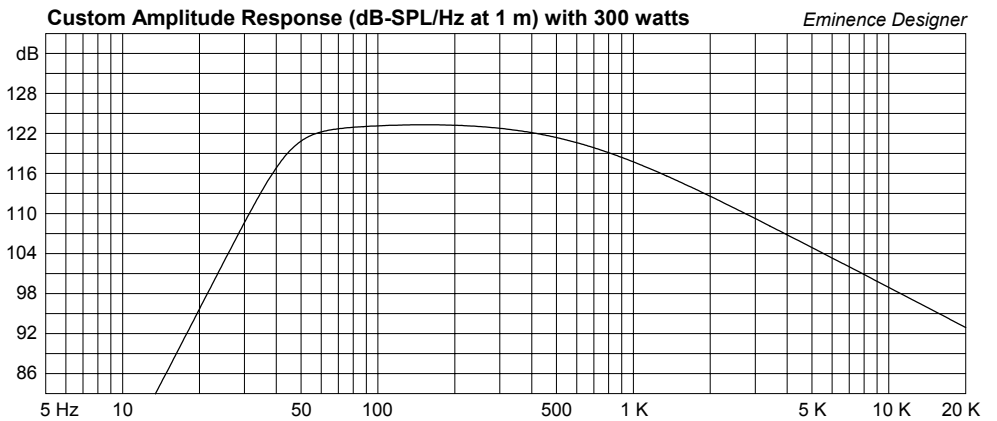
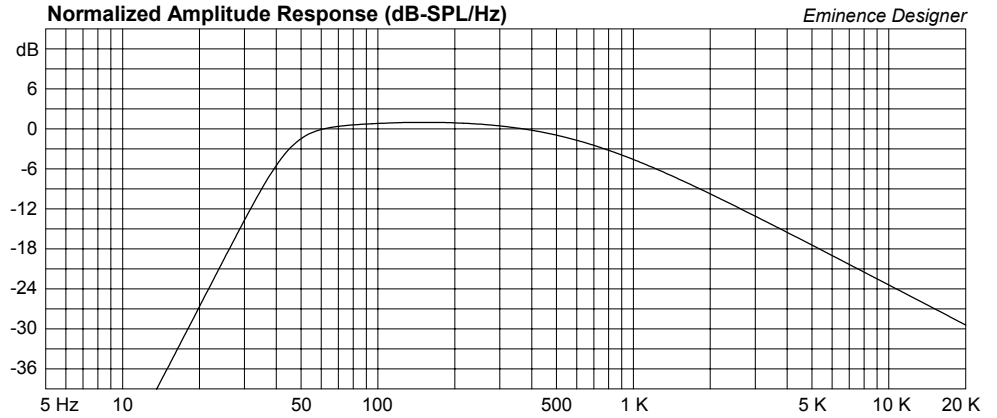
Qes = 0.41

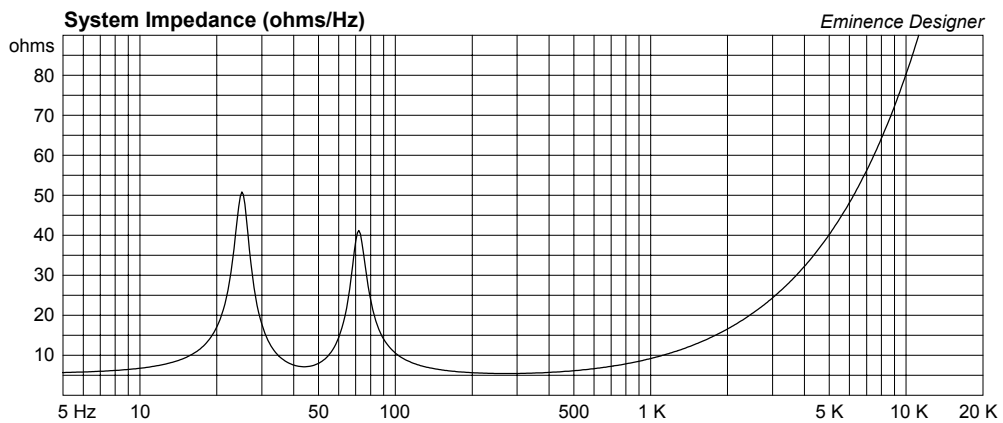
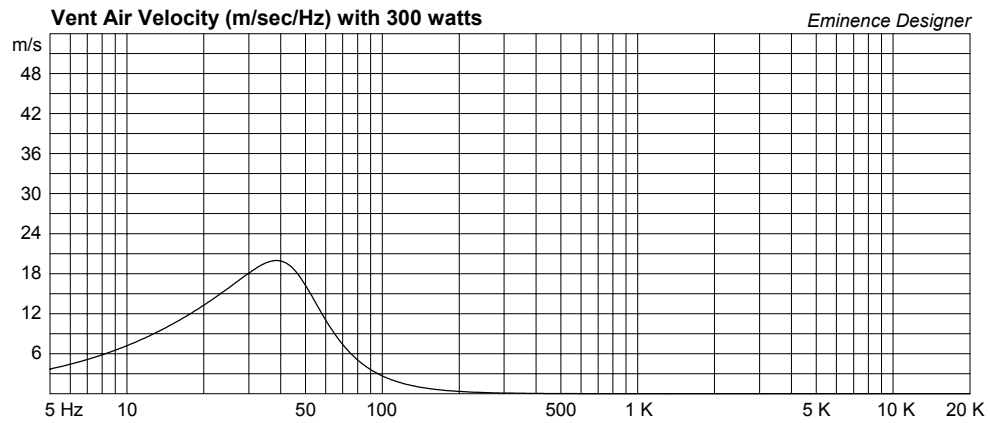
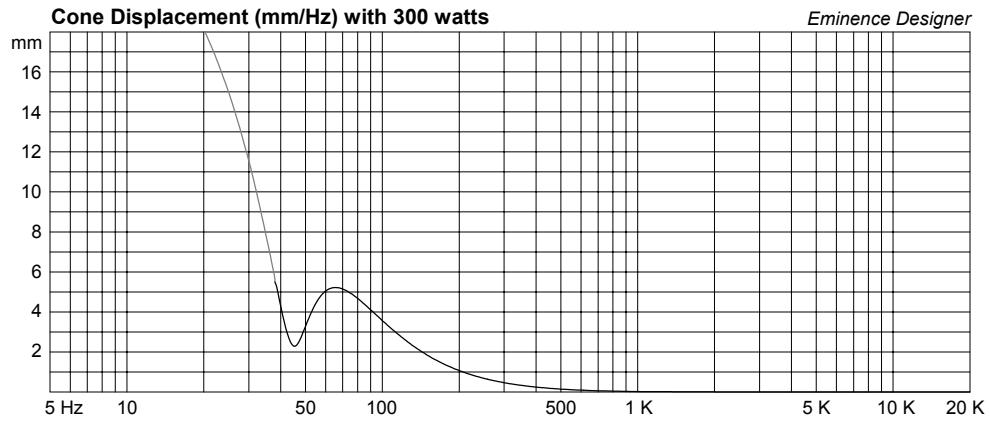
Re = 5.4 ohms

Le = 1.27 mH

Z = 8 ohms

Pe = 600 watts





Kappa15LF Small Mid/Bass Vented Box Cabinet, Hi Pwr.

By McJerry, Eminence Speaker LLC

Displacement and thermally limited to 600 watts. Must use a 24 dB per octave high pass filter set to 80 Hz or higher to protect driver from overexcursion. Place ports symetically around driver. Great for highpower, Mid/Bass use.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 2 cu.ft

V(total) = 2.2 cu.ft

Fb = 75 Hz

QL = 7

F3 = 66.38 Hz

Fill = minimal

--Vents--

No. of Vents = 4

Vent shape = round

Vent ends = one flush

Dv = 3 in

Lv = 2.802 in

Driver Properties

--Description--

Name: Kappa-15LF

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: 3 inch (76.2 mm) copper.

Magnet: 95 oz ferrite magnet.

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 39 Hz

Qms = 6.08

Vas = 159 liters

Xmax = 5.5 mm

Sd = 856.3 sq.cm

Qes = 0.41

Re = 5.4 ohms

Le = 1.27 mH

Z = 8 ohms

Pe = 600 watts

