



AMERICAN STANDARD SERIES

KAPPA-15LFA

Low frequency woofer for pro audio in a vented mid-bass or bass enclosure. Also suitable for bass guitar.



SPECIFICATION

| | |
|-------------------------|-----------------|
| Nominal Basket Diameter | 15.0", 381 mm |
| Nominal Impedance* | 8 Ω |
| Power Rating** | |
| Watts | 600 W |
| Music Program | 1200 W |
| Resonance | 39 Hz |
| Usable Frequency Range | 38 Hz – 2.7 kHz |
| Sensitivity*** | 99.0 dB |
| Magnet Weight | 95 oz. |
| Gap Height | .375", 9.5 mm |
| Voice Coil Diameter | 3.0", 76 mm |

THIELE & SMALL PARAMETERS*

| | |
|------|----------------------------|
| Fs | 39 Hz |
| Re | 5.40 Ω |
| Le | 1.27 mH |
| Qms | 6.08 |
| Qes | 0.41 |
| Qts | 0.38 |
| Vas | 5.62 cu.ft., 159.00 liters |
| Vd | 471.0 cc |
| Cms | 0.15 mm/N |
| BL | 18.60 T-M |
| Mms | 105 grams |
| EBP | 95 |
| Xmax | 5.50 mm |
| Sd | 856.3 cm ² |
| Xlim | 10.4 mm |

MOUNTING INFORMATION

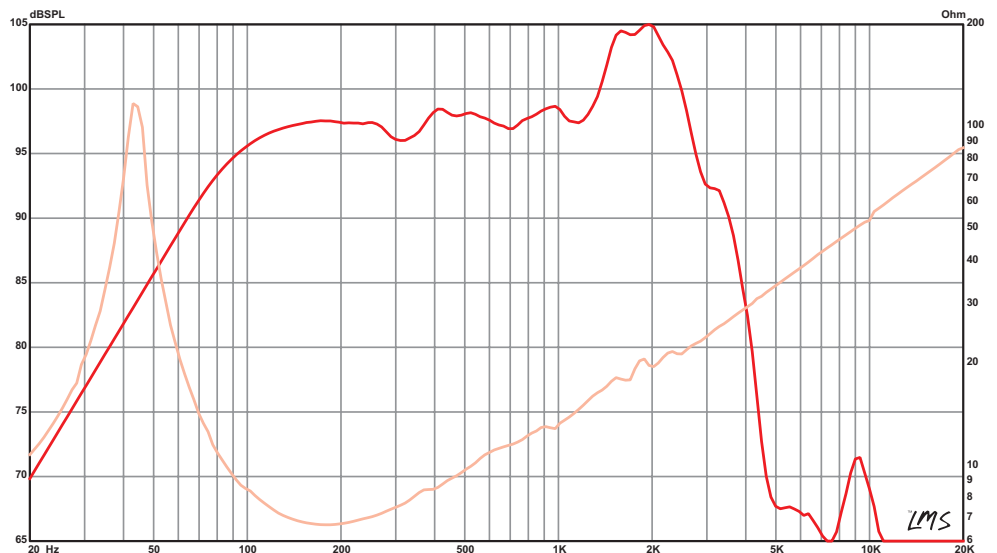
| | |
|------------------------------|------------------------------------------|
| Recommended Enclosure Volume | |
| Sealed | N/A |
| Vented | 62.00–193.00 liters, 2.20–6.80 cu.ft. |
| Driver Volume Displaced | 0.145 cu.ft., 4.12 liters |
| Overall Diameter | 15.16", 385.1 mm |
| Baffle Hole Diameter | 13.87", 352.3 mm |
| Front Sealing Gasket | Yes |
| Rear Sealing Gasket | Yes |
| Mounting Holes Diameter | 0.25", 6.4 mm |
| Mounting Holes B.C.D. | 14.56", 369.8 mm |
| Depth | 6.38", 162.1 mm |
| Net Weight | 20.00 lbs , 9.07 kg |
| Shipping Weight | 22.30 lbs , 10.12 kg |

MATERIALS OF CONSTRUCTION

- _____ Copper voice coil
- _____ Polyimide former
- _____ Ferrite magnet
- _____ Vented core
- _____ Pressed steel basket
- _____ Paper cone
- _____ Cloth cone edge
- _____ Solid composition paper dust cap



FREQUENCY RESPONSE & IMPEDANCE CURVE*



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From design and manufacturing to the stage or studio. Once you've experienced the performance of Eminence, you'll never accept anything else.

MISSION STATEMENT

Eminence is dedicated to providing the best Quality, Value and Service to meet our customers' needs.

FOOTNOTES

- * Please consult www.eminence.com for specifications of models with alternative impedances.
- ** Multiple units exceed published ratings evaluated under EIA 426A specification while tested in a free-air, non-temperature-controlled environment.
- *** The average output across the usable frequency range when applying 1W/1m into the nominal impedance. i.e: 2.83V/8Ω, 4V/16Ω. 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 | Carver PM-120 amplifier | 2700 cu. ft. chamber with fiberglass on all six surfaces (three with custom-made wedges).
- **** BETA 8CX, 10CX, and 12CX are coaxial speakers with tweeter sold separately. Published usable frequency response contingent upon use of ASD:1001 HF Driver.
- ***** Multiple units exceeded published ratings evaluated under EIA-426A or AES specification while mounted on Eminence's H290, H290S, or H2EA horn in a non-temperature-controlled environment.
- *****The average on axis output across the entire usable frequency range when applying 1W/1m into the nominal impedance, i.e. 2.83V/8Ω, 4V/16Ω. 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 | 2ft x 2ft baffle is built into the wall with horn front mounted | Carver PM-120 amplifier | 2700 cu.ft. chamber with fiberglass on all six surfaces (three with custom-made wedges).

Prices, specifications and product cosmetics are subject to change without notice.

EMINENCE SPEAKER LLC

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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

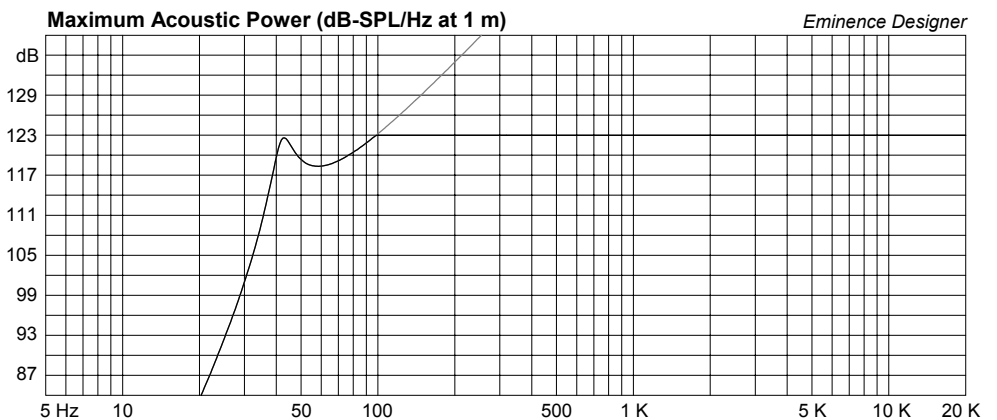
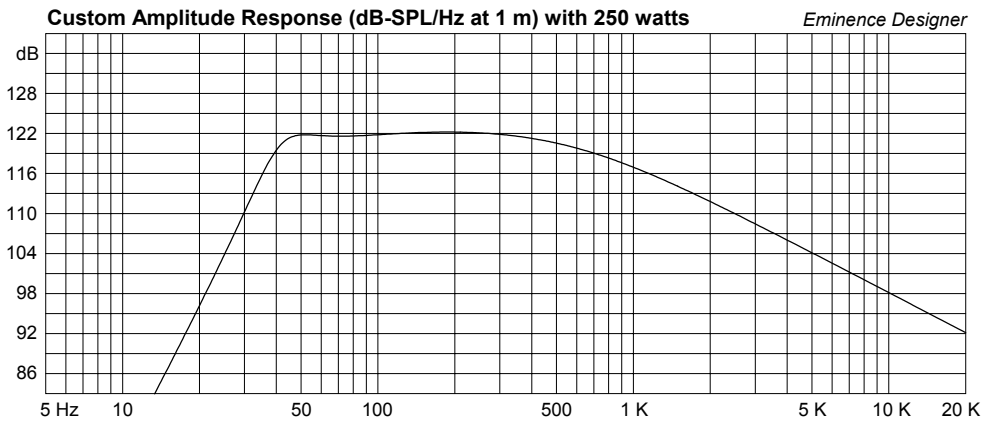
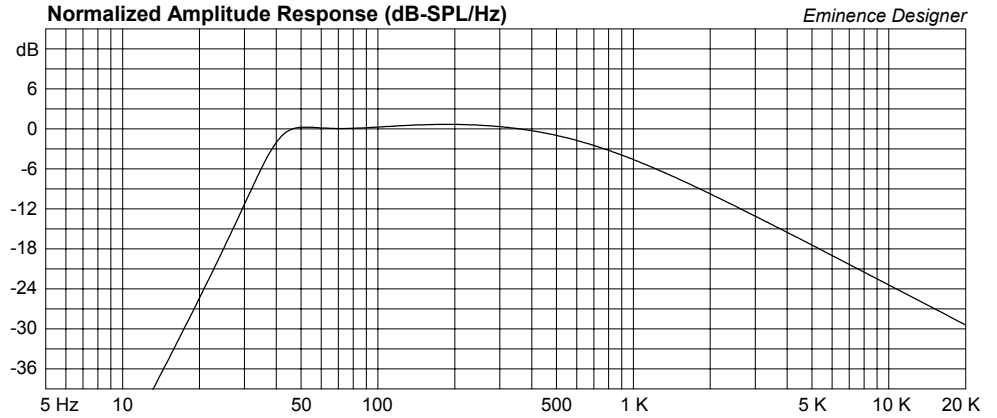
Qes = 0.41

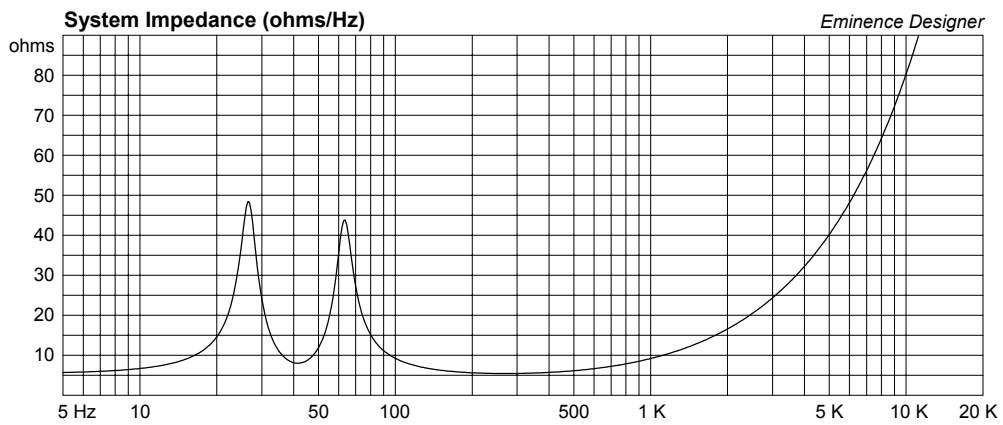
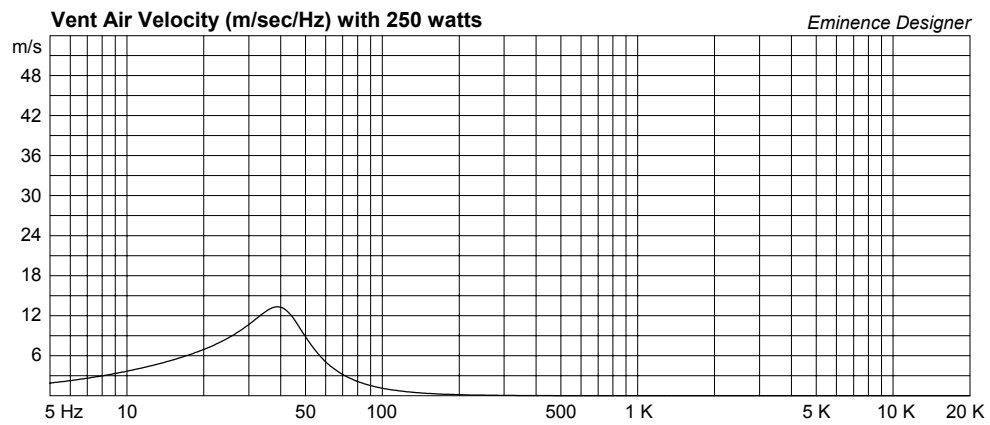
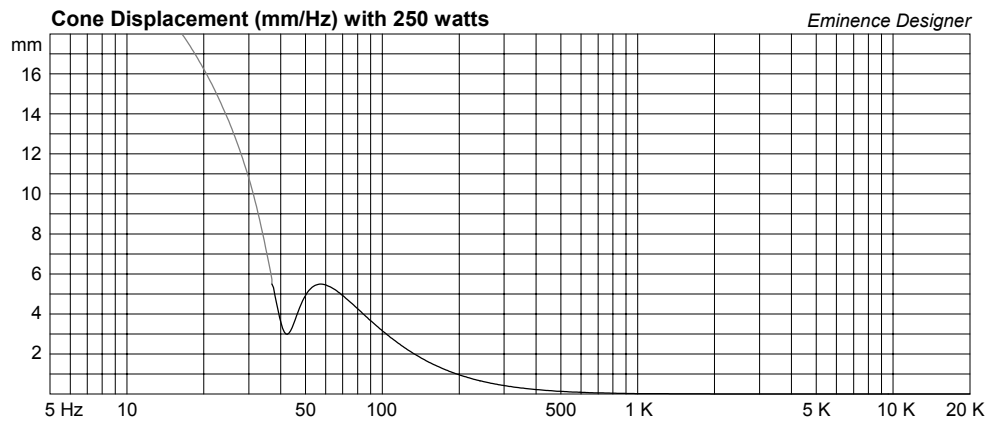
Re = 5.4 ohms

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

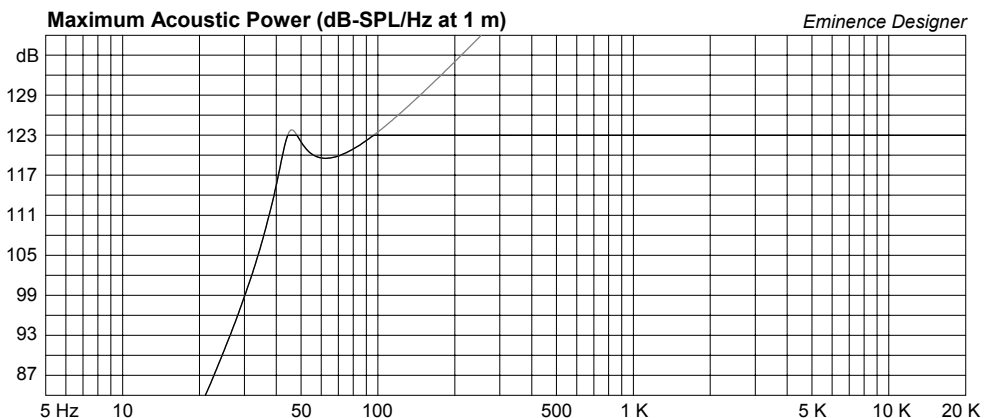
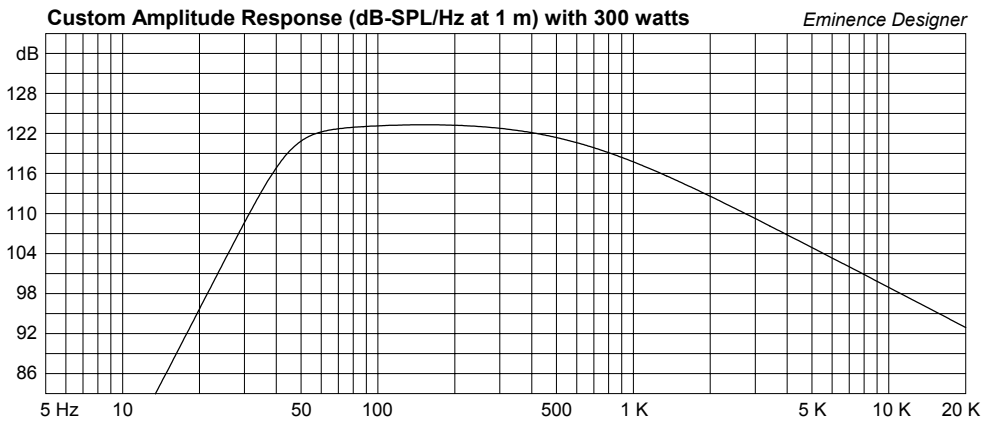
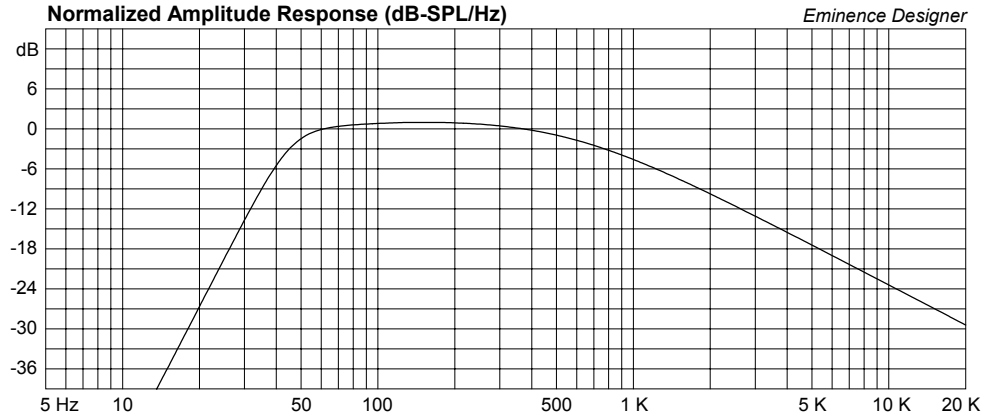
Qes = 0.41

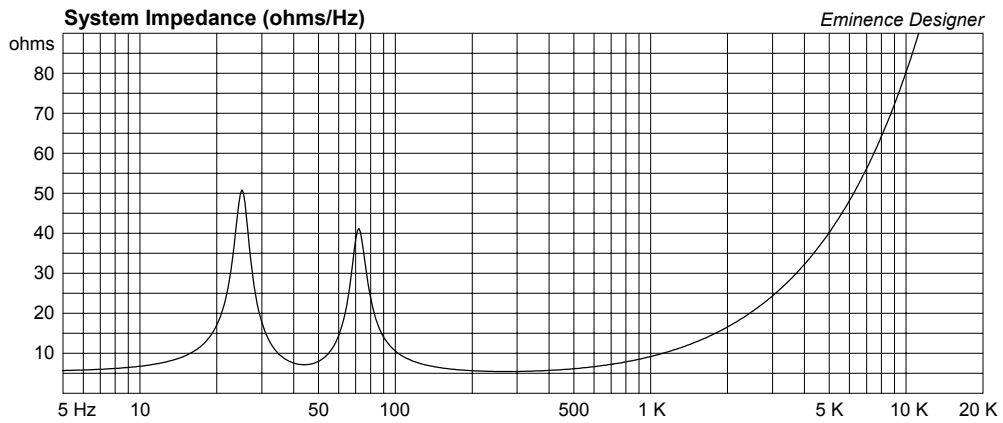
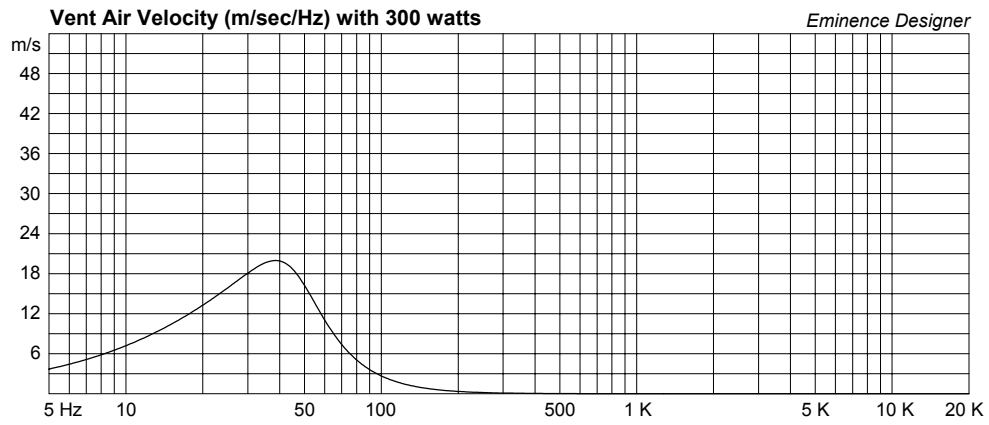
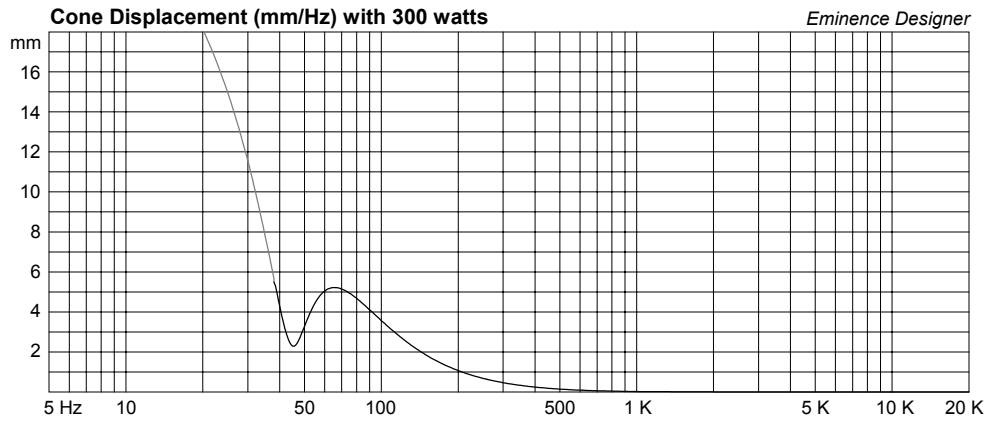
Re = 5.4 ohms

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

