

Specification

Nominal Basket Diameter	15", 381mm
Nominal Impedance*	8 ohms
Power Rating**	
Watts	300W
Music Program	600W
Resonance	42Hz
Usable Frequency Range***	54Hz-3.7kHz
Sensitivity	99.2
Magnet Weight	7 oz
Gap Height	0.275", 7mm
Voice Coil Diameter	2.5", 63.5mm

Thiele & Small Parameters

Resonant Frequency (fs)	42Hz
DC Resistance (Re)	5.29
Coil Inductance (Le)	1.15mH
Mechanical Q (Qms)	4.56
Electromagnetic Q (Qes)	0.41
Total Q (Qts)	0.38
Compliance Equivalent Volume (Vas)	204 ltr/7.2 cu. ft.
Peak Diaphragm Displacement Volume (Vd)	411cc
Mechanical Compliance of Suspension (Cms)	0.20mm/N
BL Product (BL)	15.7 T-M
Diaphragm Mass inc. Airlod (Mms)	72 grams
Efficiency Bandwidth Product (EBP)	103
Maximum Linear Excursion (Xmax)	4.8mm
Surface Area of Cone (Sd)	856.3cm ²
Maximum Mechanical Limit (Xlim)	9.0mm

Mounting Information

Recommended Enclosure Volume	
Sealed	42.5-48 ltr/1.5-1.7 cu. ft.
Vented	51-119 ltr/1.8-4.2 cu. ft.
Overall Diameter	15.32", 389mm
Baffle Hole Diameter	14.0", 355.6mm
Front Sealing Gasket	Fitted as Standard
Rear Sealing Gasket	Fitted as Standard
Mounting Holes Diameter	0.28", 7mm
Mounting Holes B.C.D.	14.56", 369.9mm
Depth	6.81", 173mm
Net Weight	5.7 lbs, 2.6 kg
Shipping Weight	7.9 lbs, 3.6 kg

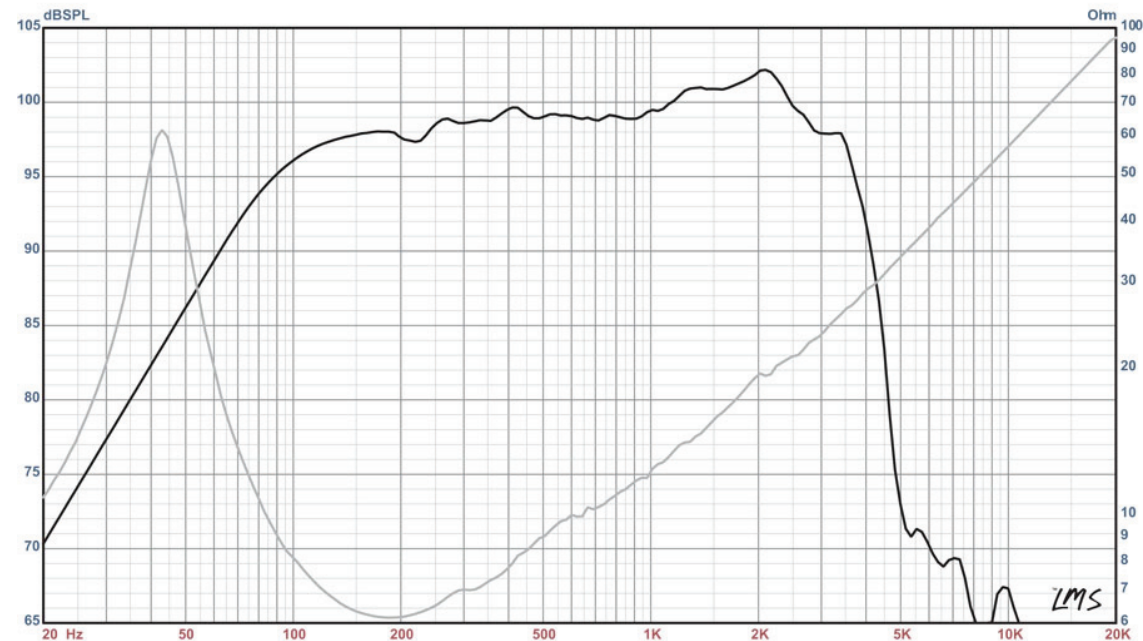
Materials of Construction

Coil Construction	Aluminum
Coil	Polyimide
Magnet Composition	Neodymium
Core Details	Vented
Basket Materials	Die-Cast Aluminum/Heatsink
Cone Composition	Paper
Cone Edge Composition	Cloth
Dust Cap Composition	Solid Composition Paper



DELTALITE®-II 2515 Neodymium

Recommended for professional audio as a mid/hi or full-range and monitor; also for bass guitar. Works well in sealed or vented enclosures.



* 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)

DeltaLite-II 2515 Larger Vented Cab, Med Pwr FR PA

By Jerry McNutt, Eminence Speaker LLC

Displacement Limited to 250 Watts; F3 of 54 Hz. Use a steep high pass filter set to 40 Hz or higher to protect woofer from overexcursion.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 3.9 cu.ft

V(total) = 4.159 cu.ft

Fb = 53 Hz

QL = 7

F3 = 53.77 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 1.674 in

Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 42.34 Hz

Qms = 4.56

Vas = 203.9 liters

Xmax = 4.8 mm

Sd = 856.3 sq.cm

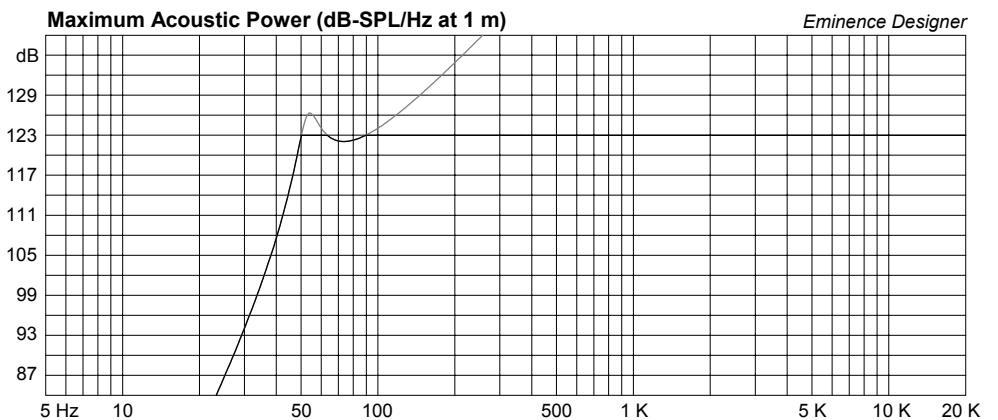
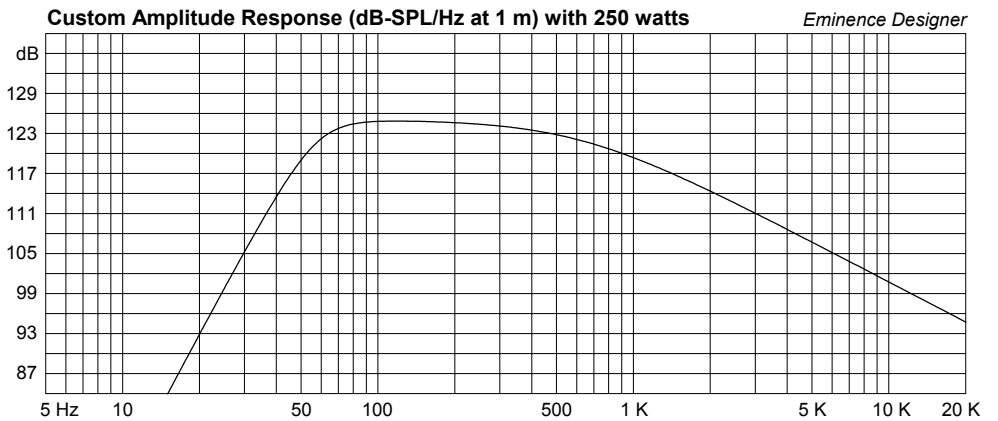
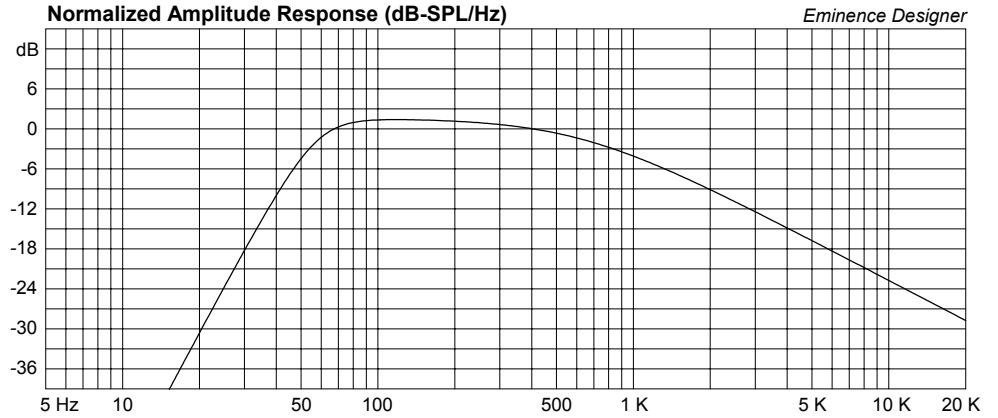
Qes = 0.41

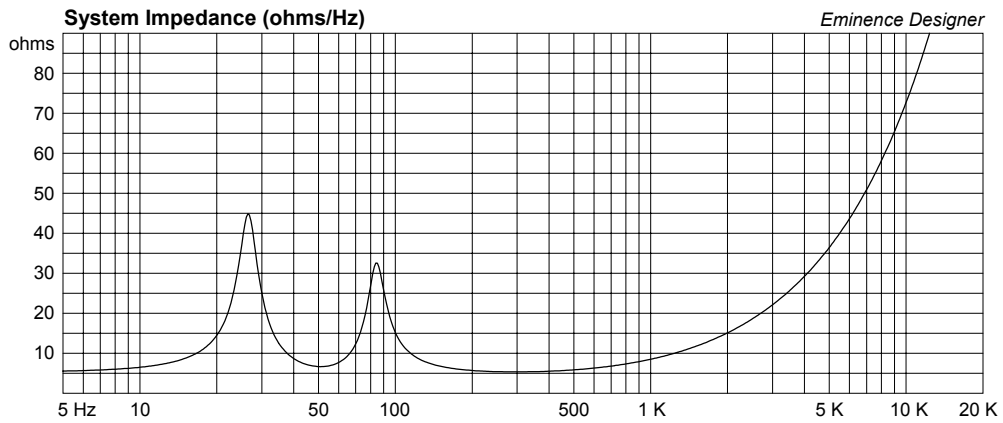
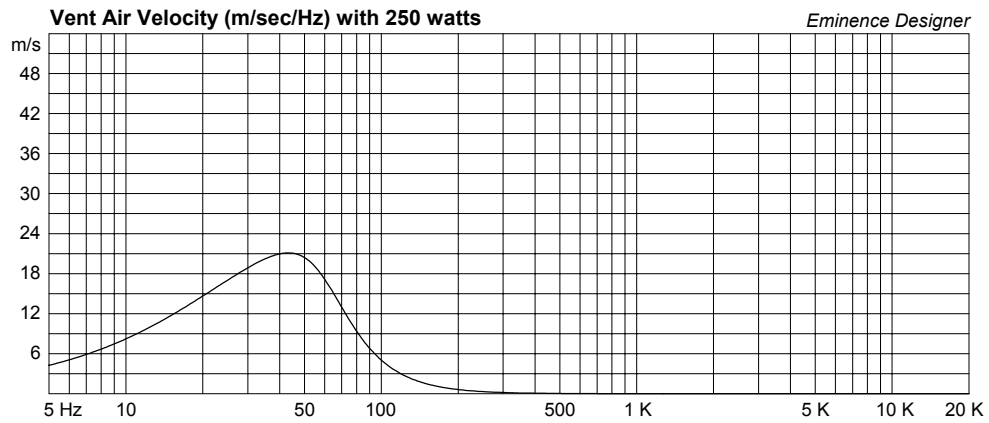
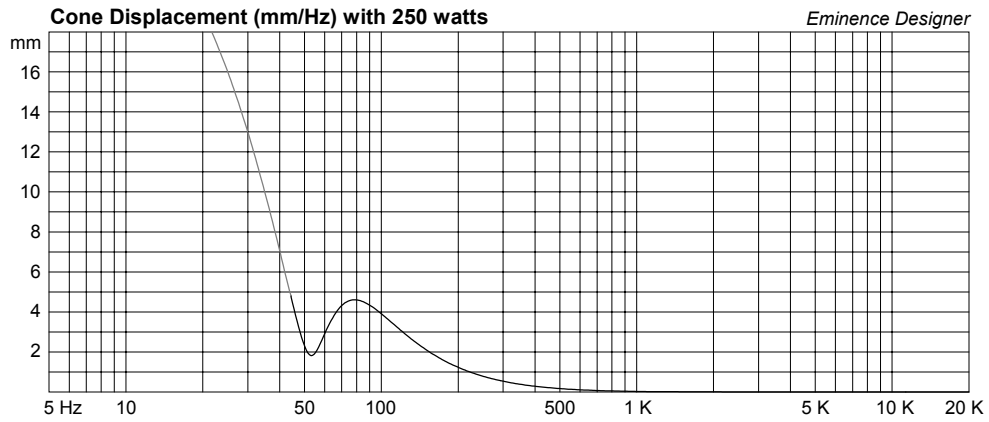
Re = 5.29 ohms

Le = 1.15 mH

Z = 8 ohms

Pe = 300 watts





DeltaLite-II 2515 Vented Cab for FR PA, or Bass Guitar

By Jerry McNutt, Eminence Speaker LLC

300 Watt Thermal Limit; F3 of 66 Hz. Use a steep high pass filter set to 45 Hz or higher to protect woofer from overexcursion.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 2.3 cu.ft

V(total) = 2.62 cu.ft

Fb = 55 Hz

QL = 7

F3 = 66.63 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 5.369 in

Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 42.34 Hz

Qms = 4.56

Vas = 203.9 liters

Xmax = 4.8 mm

Sd = 856.3 sq.cm

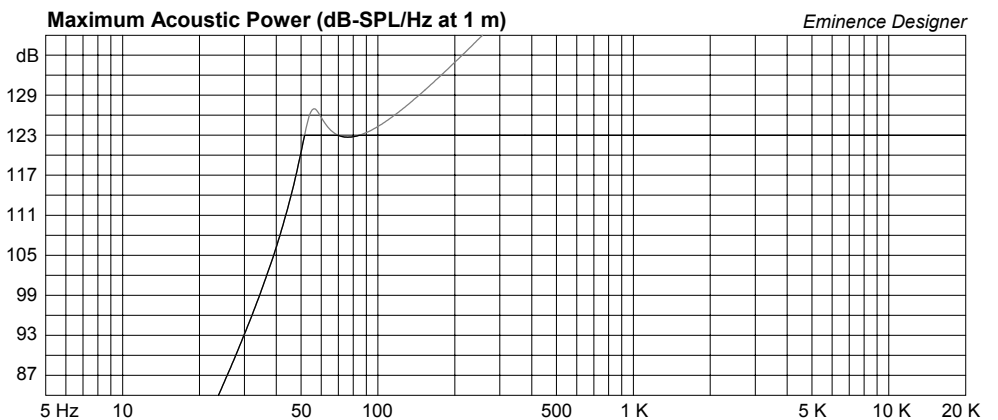
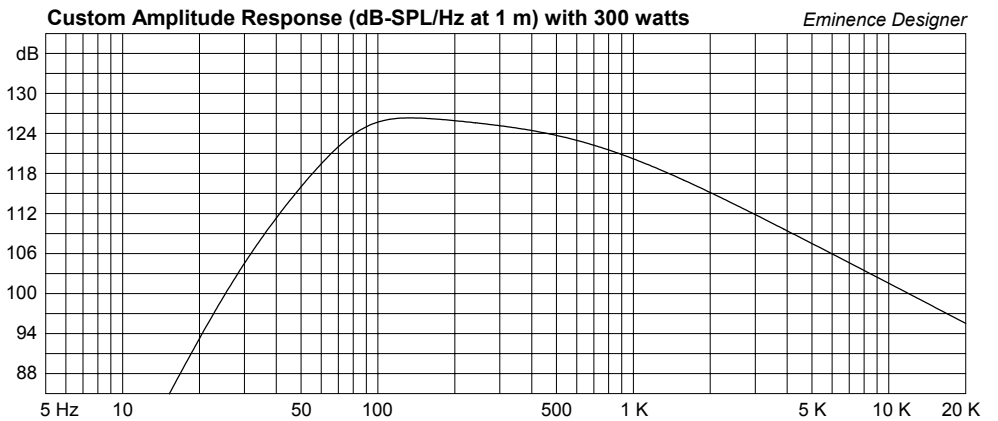
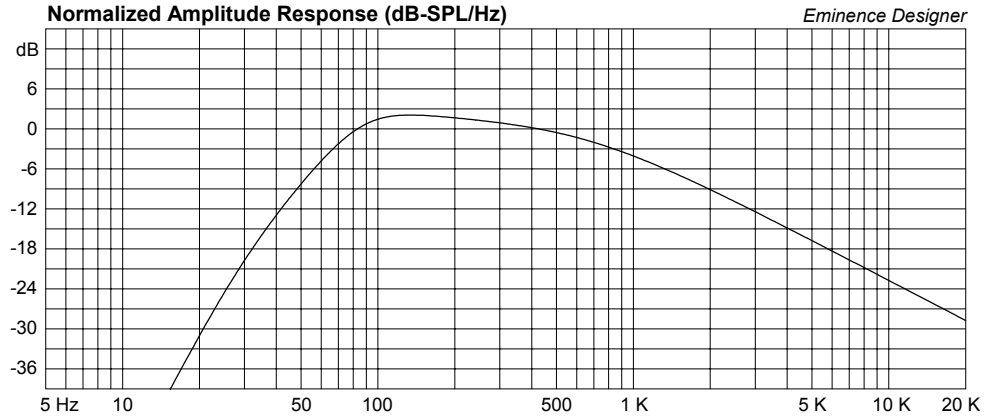
Qes = 0.41

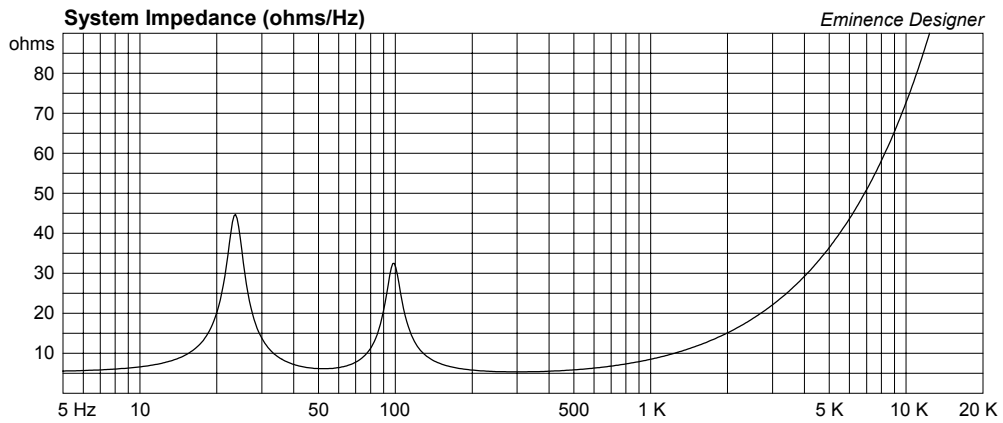
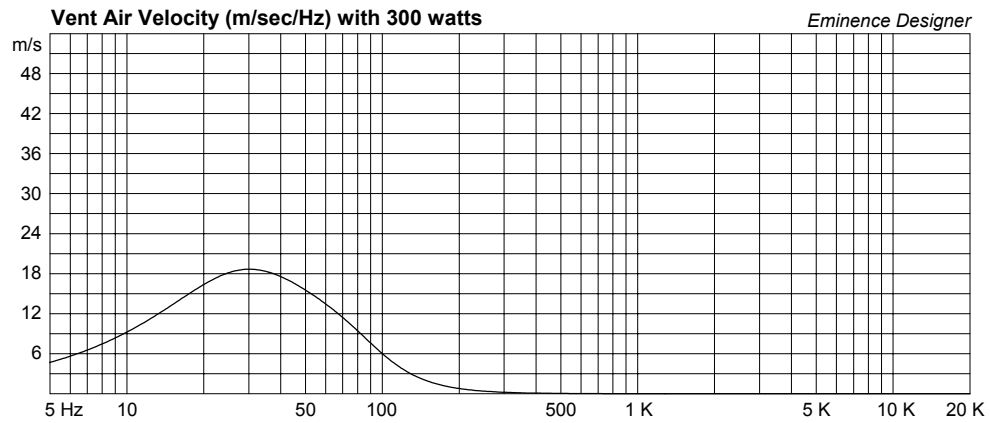
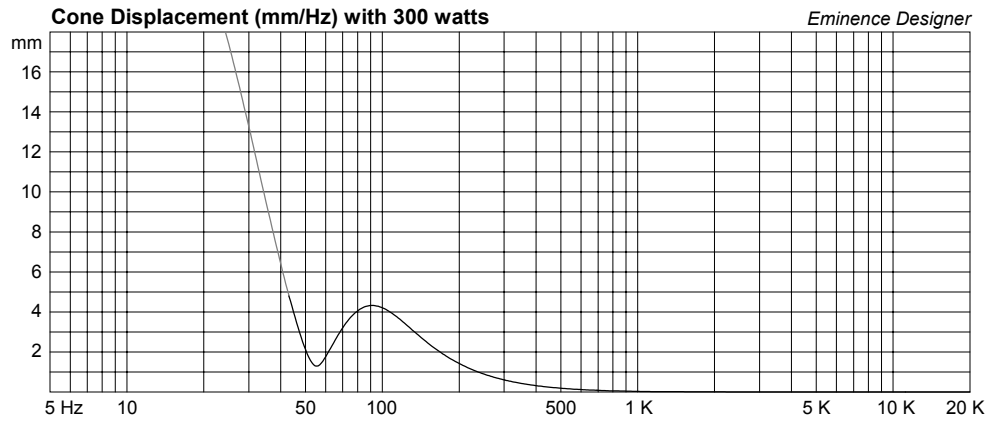
Re = 5.29 ohms

Le = 1.15 mH

Z = 8 ohms

Pe = 300 watts





DeltaLite-II 2515 Small Sealed Cab, or Vocal Monitor

By Jerry McNutt, Eminence Speaker LLC

Limited to 225 Watts; use a steep high pass filter set to 125 Hz or higher.

Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 1.4 cu.ft

V(total) = 1.632 cu.ft

Qtc = 0.717

QL = 20

F3 = 96.33 Hz

Fill = heavy

Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 42.34 Hz

Qms = 4.56

Vas = 203.9 liters

Xmax = 4.8 mm

Sd = 856.3 sq.cm

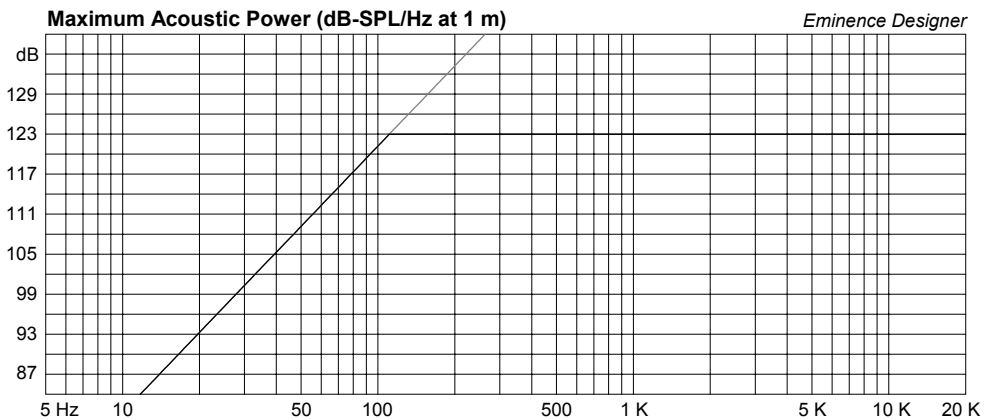
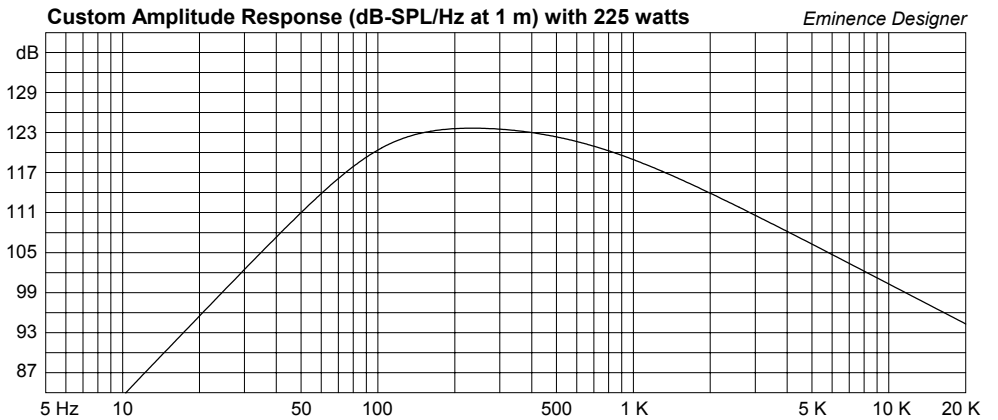
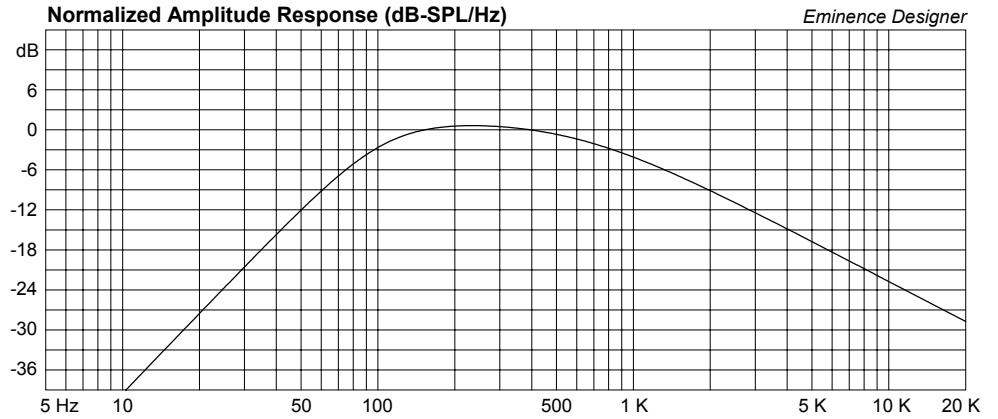
Qes = 0.41

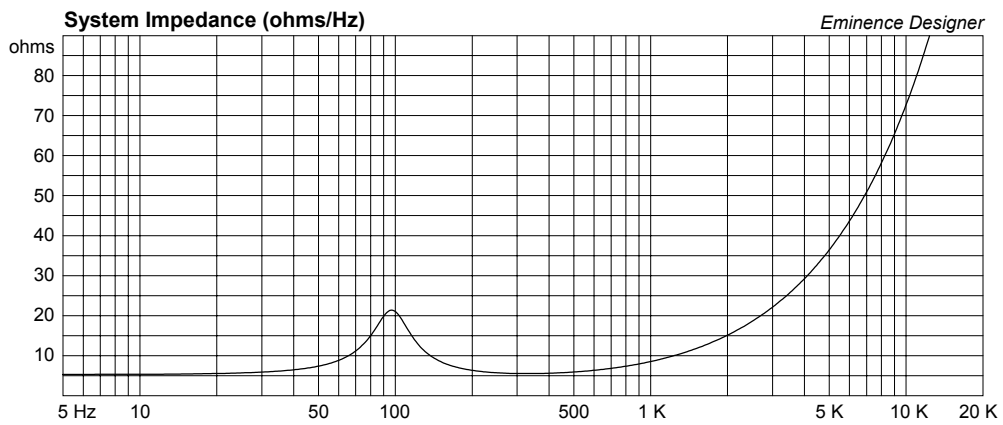
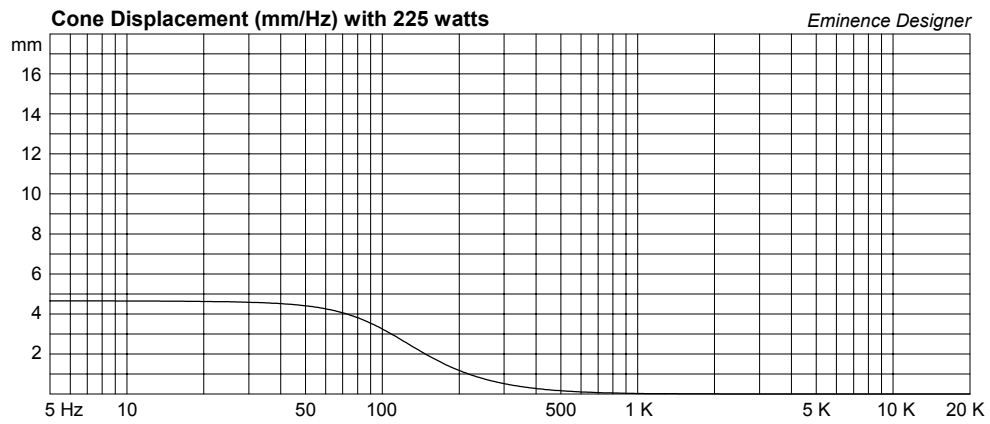
Re = 5.29 ohms

Le = 1.15 mH

Z = 8 ohms

Pe = 300 watts





DeltaLite-II 2515 Vented Mid/Hi Sat, or Floor Monitor

By Jerry McNutt, Eminence Speaker LLC

300 Watt Thermal Limit; F3 of 77 Hz. Best used above 90 Hz.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 1.59 cu.ft

V(total) = 1.861 cu.ft

Fb = 56.94 Hz

QL = 7

F3 = 77.31 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 3 in

Lv = 4.118 in

Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 42.34 Hz

Qms = 4.56

Vas = 203.9 liters

Xmax = 4.8 mm

Sd = 856.3 sq.cm

Qes = 0.41

Re = 5.29 ohms

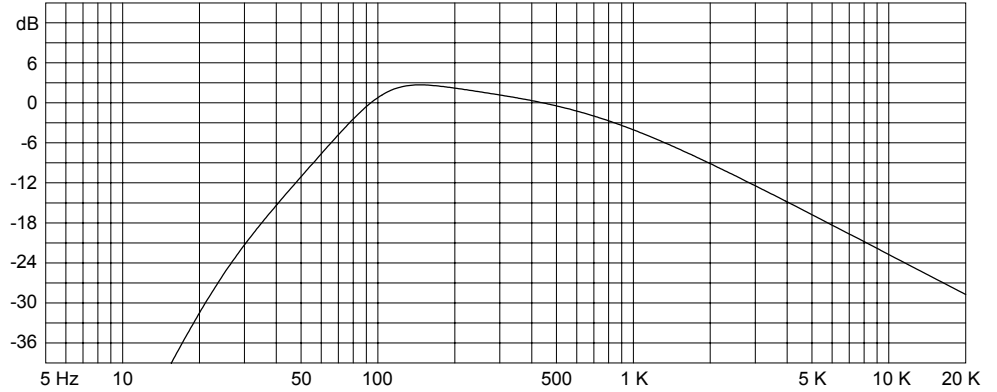
Le = 1.15 mH

Z = 8 ohms

Pe = 300 watts

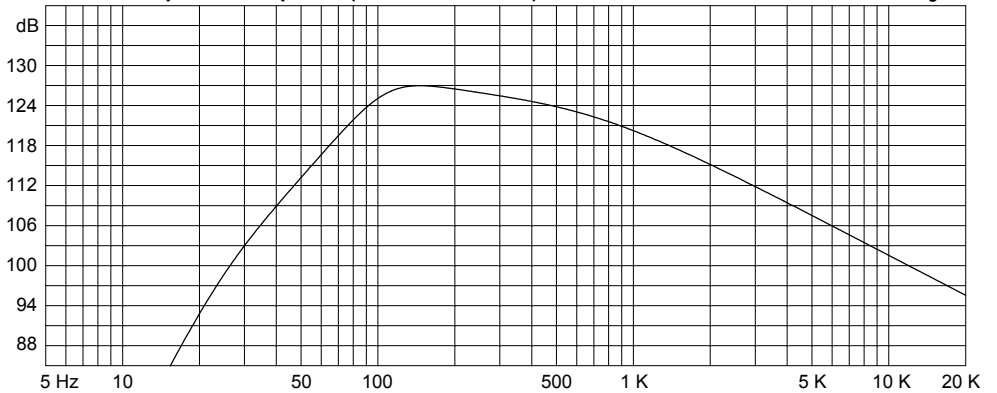
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



Custom Amplitude Response (dB-SPL/Hz at 1 m) with 300 watts

Eminence Designer



Maximum Acoustic Power (dB-SPL/Hz at 1 m)

Eminence Designer

