

DefiniMax 4018LF Double18 Large Dance Club Sub

By Jerry McNutt, Eminence Speaker LLC

Thermally Limited to 1600 Watts; F3 of 37 Hz. Use a steep high pass filter set to 30 Hz.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 13 cu.ft

V(total) = 14.12 cu.ft

Fb = 40 Hz

QL = 7

F3 = 36.73 Hz

Fill = minimal

--Vents--

No. of Vents = 8

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 6.82 in

Driver Properties

--Description--

Name:

Type: Standard one-way driver

Comment: New Driver For 2006

--Configuration--

No. of Drivers = 2

Mounting = Standard

Wiring = Parallel

Drivers sum coherently = Yes

--Driver Parameters--

Fs = 31.78 Hz

Qms = 10.38

Vas = 237.9 liters [475.9]

Xmax = 7.9 mm

Sd = 1188 sq.cm [2376]

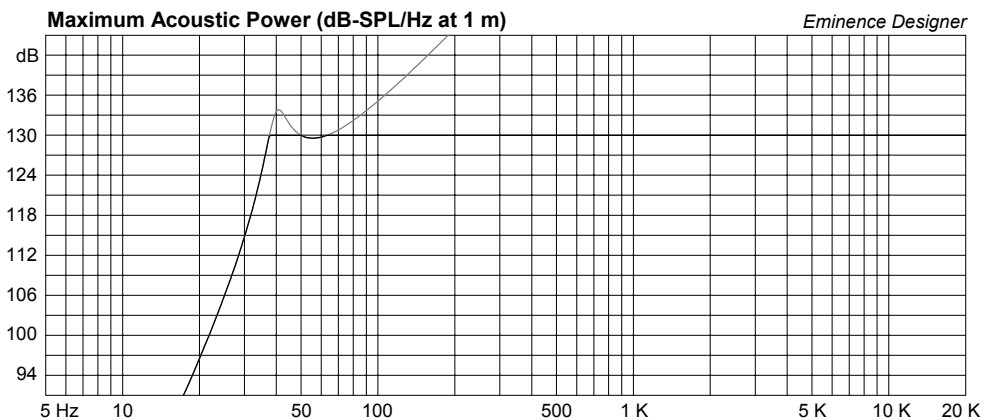
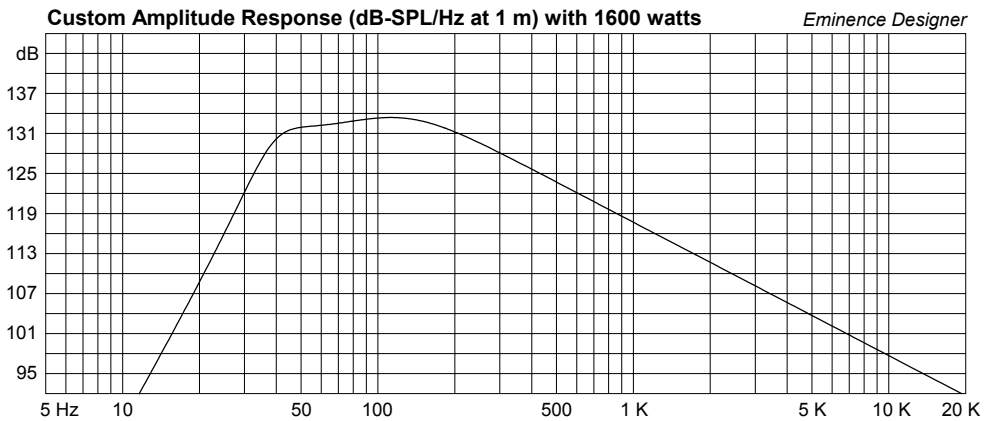
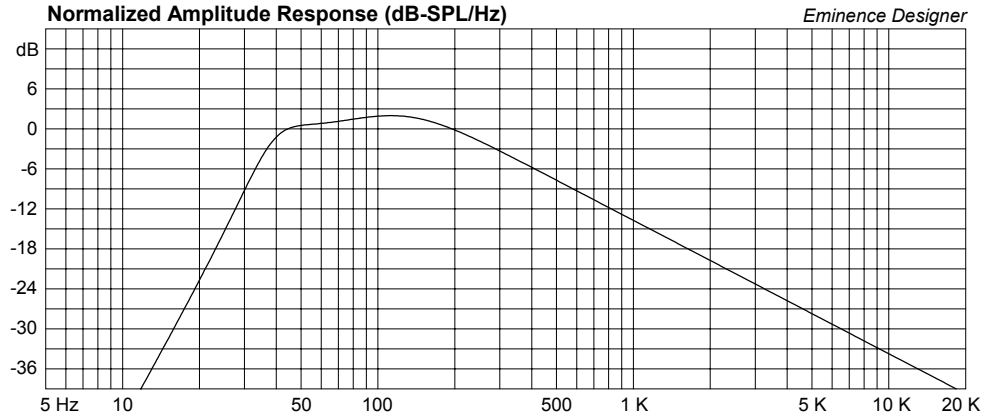
Qes = 0.36

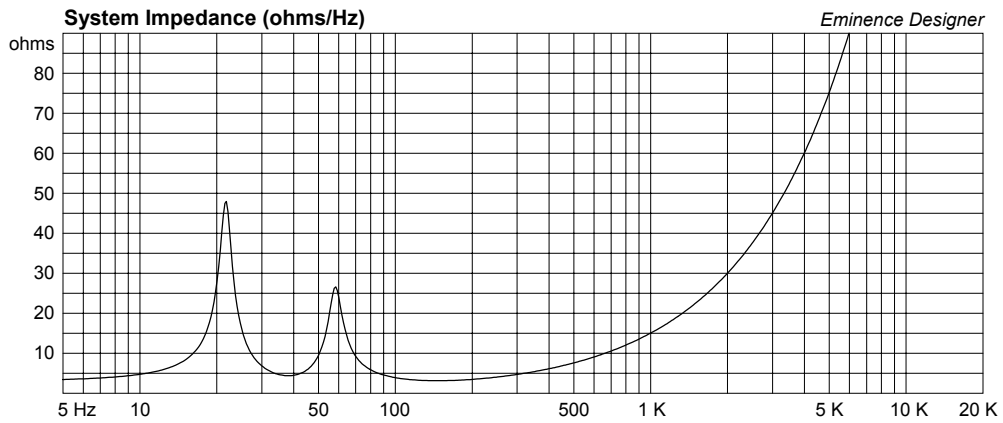
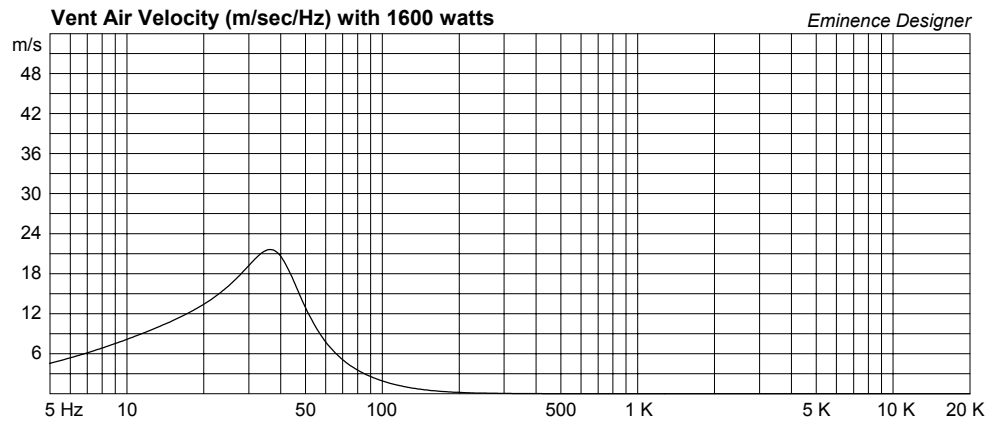
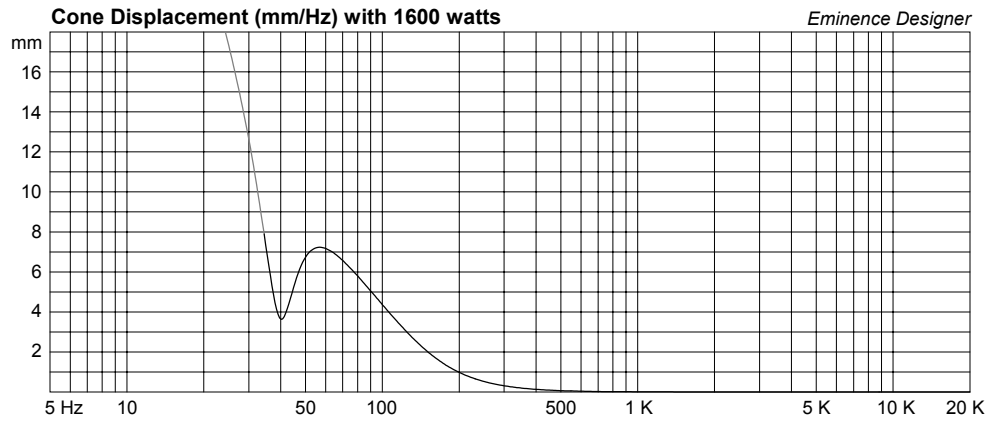
Re = 6.19 ohms [3.095]

Le = 4.78 mH [2.39]

Z = 8 ohms [4]

Pe = 800 watts [1600]





DefiniMax 4018LF Double18 Touring Style PA Sub

By Jerry McNutt, Eminence Speaker LLC

Thermally Limited to 1600 Watts; F3 of 44 Hz. Use a steep high pass filter set to 35 Hz.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 8 cu.ft

V(total) = 9.035 cu.ft

Fb = 40 Hz

QL = 7

F3 = 43.69 Hz

Fill = minimal

--Vents--

No. of Vents = 6

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 10.25 in

Driver Properties

--Description--

Name:

Type: Standard one-way driver

Comment: New Driver For 2006

--Configuration--

No. of Drivers = 2

Mounting = Standard

Wiring = Parallel

Drivers sum coherently = Yes

--Driver Parameters--

Fs = 31.78 Hz

Qms = 10.38

Vas = 237.9 liters [475.9]

Xmax = 7.9 mm

Sd = 1188 sq.cm [2376]

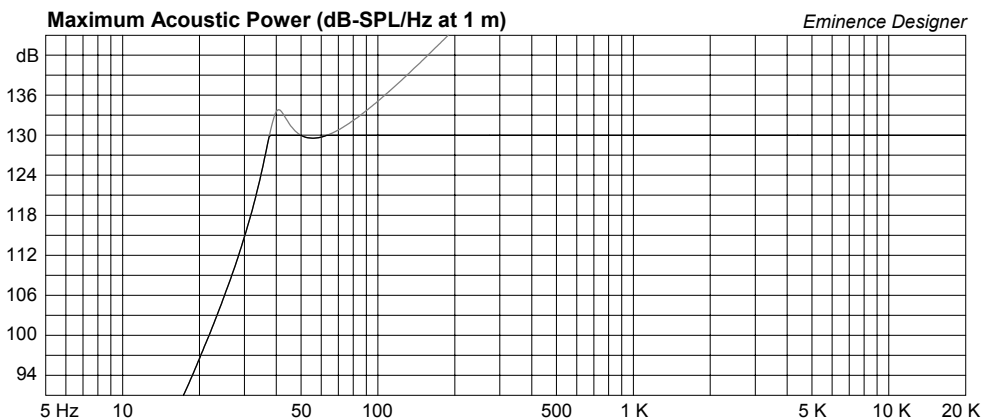
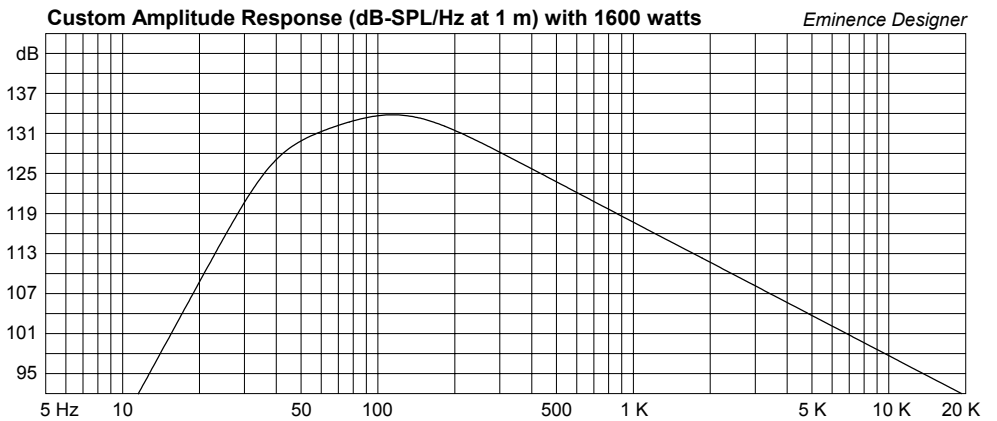
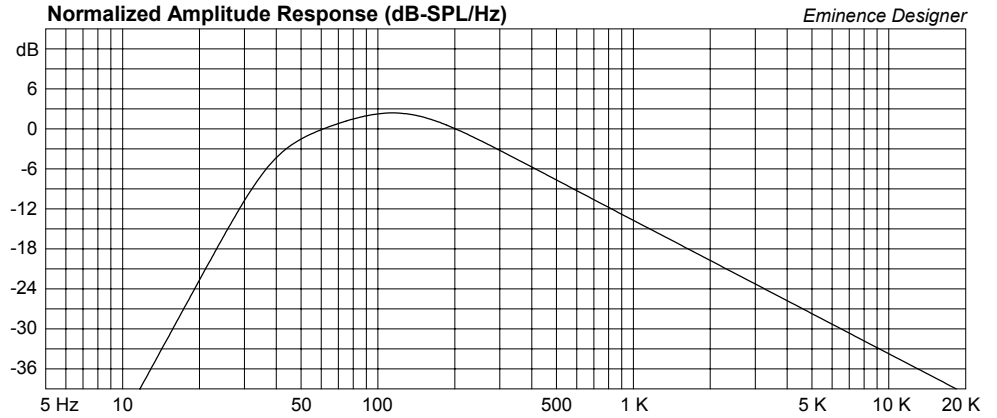
Qes = 0.36

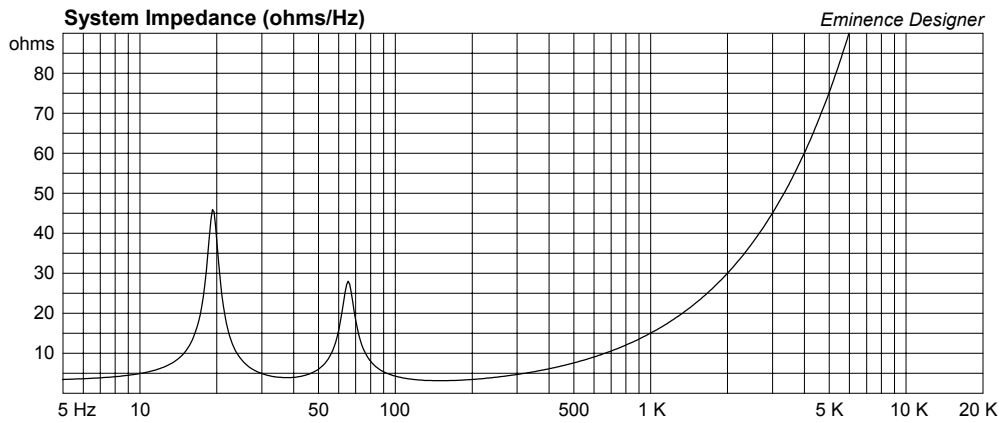
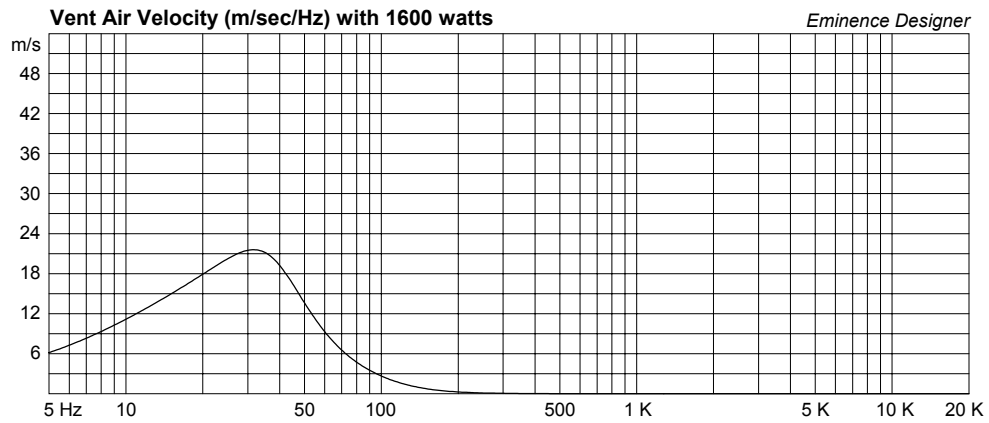
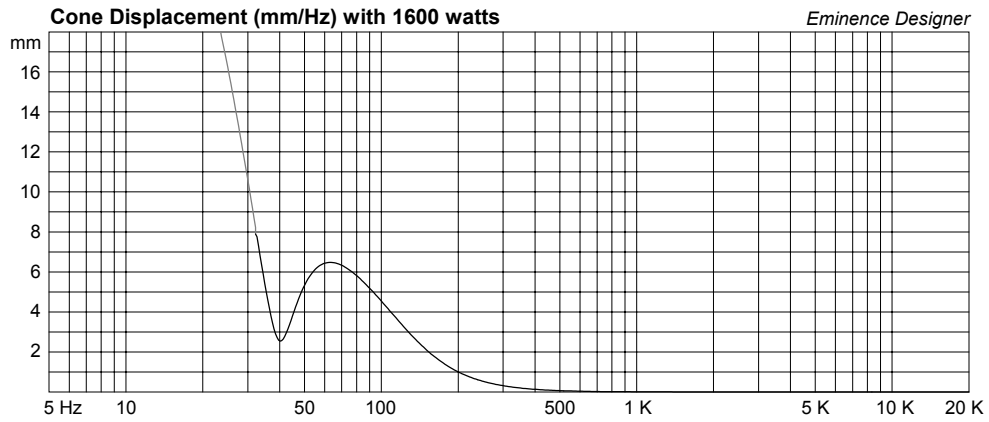
Re = 6.19 ohms [3.095]

Le = 4.78 mH [2.39]

Z = 8 ohms [4]

Pe = 800 watts [1600]





DefiniMax 4018LF Large Dance Club Type of Subwoofer

By Jerry McNutt, Eminence Speaker LLC

Thermally Limited to 800 Watts; F3 of 36 Hz. Use a steep high pass filter set to 30 Hz.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 6.8 cu.ft

V(total) = 7.373 cu.ft

Fb = 40 Hz

QL = 7

F3 = 36.41 Hz

Fill = minimal

--Vents--

No. of Vents = 4

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 7.293 in

Driver Properties

--Description--

Name:

Type: Standard one-way driver

Comment: New Driver For 2006

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 31.78 Hz

Qms = 10.38

Vas = 237.9 liters

Xmax = 7.9 mm

Sd = 1188 sq.cm

Qes = 0.36

Re = 6.19 ohms

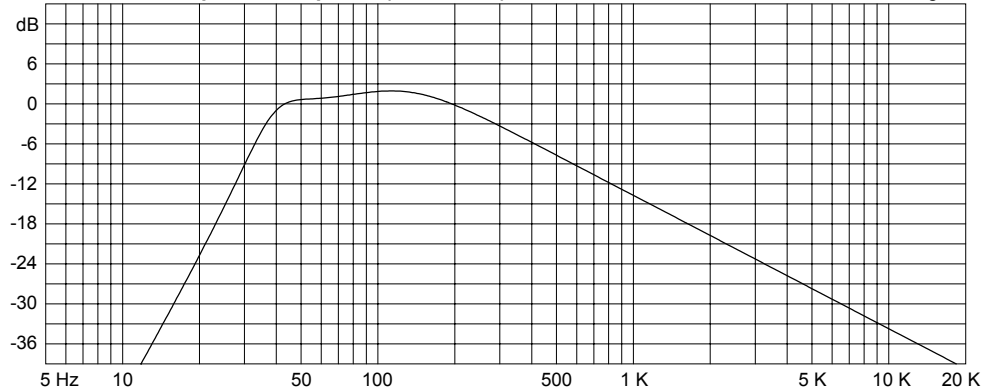
Le = 4.78 mH

Z = 8 ohms

Pe = 800 watts

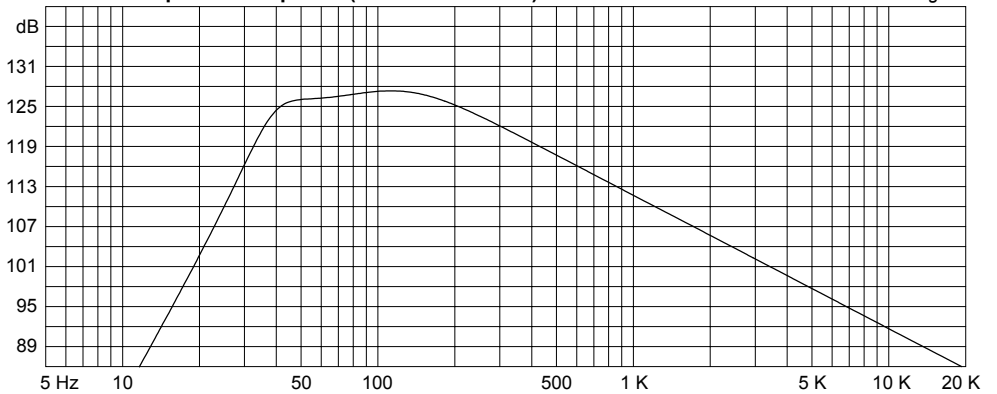
Normalized Amplitude Response (dB-SPL/Hz)

Eminence Designer



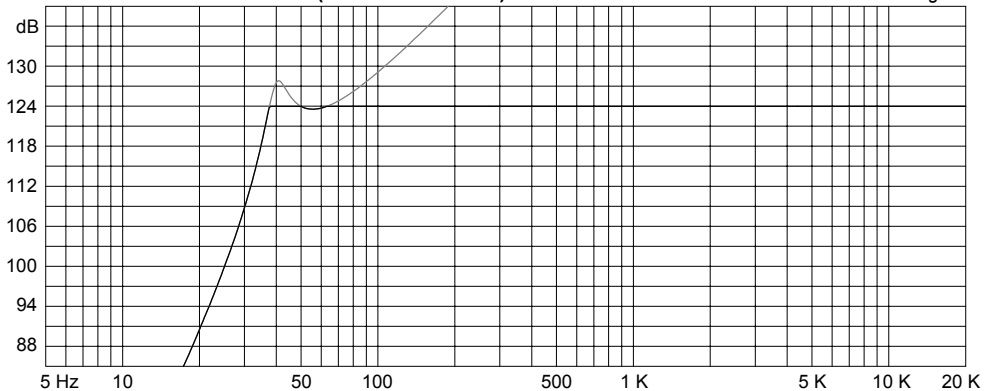
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 800 watts

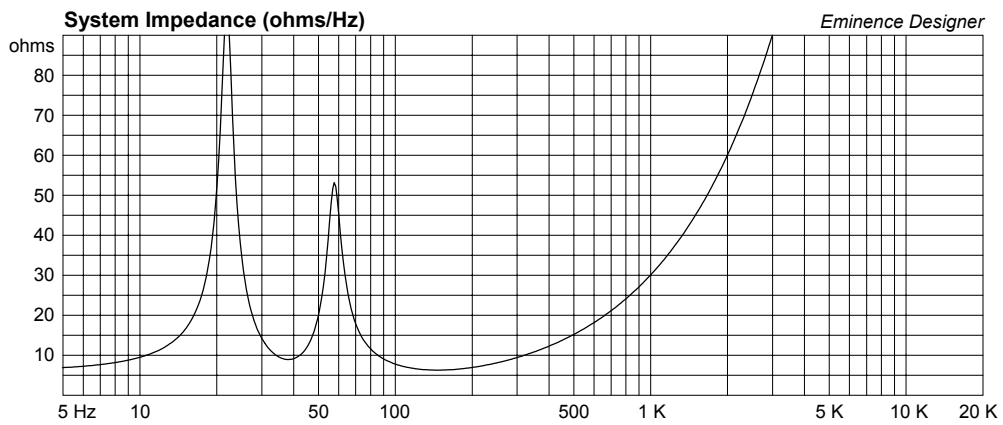
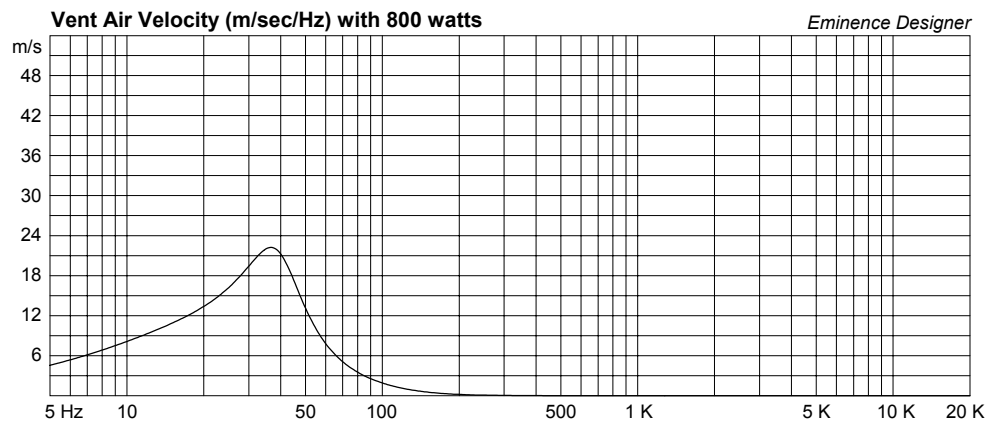
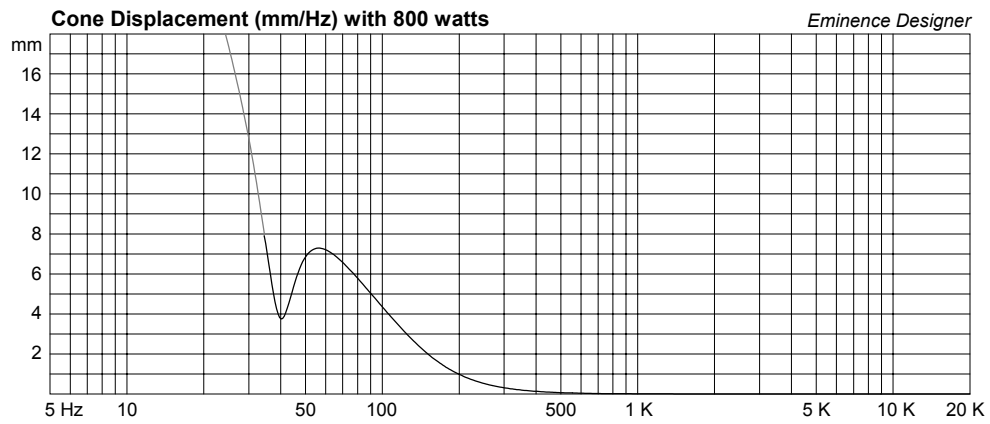
Eminence Designer



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

Eminence Designer





DefiniMax 4018LF Touring PA Sub

By Jerry McNutt, Eminence Speaker LLC

Thermally Limited to 800 Watts; F3 of 41 Hz. Use a steep high pass filter set to 35 Hz.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 4.6 cu.ft

V(total) = 5.346 cu.ft

Fb = 41 Hz

QL = 7

F3 = 41.03 Hz

Fill = minimal

--Vents--

No. of Vents = 4

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 12.56 in

Driver Properties

--Description--

Name:

Type: Standard one-way driver

Comment: New Driver For 2006

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 31.78 Hz

Qms = 10.38

Vas = 237.9 liters

Xmax = 7.9 mm

Sd = 1188 sq.cm

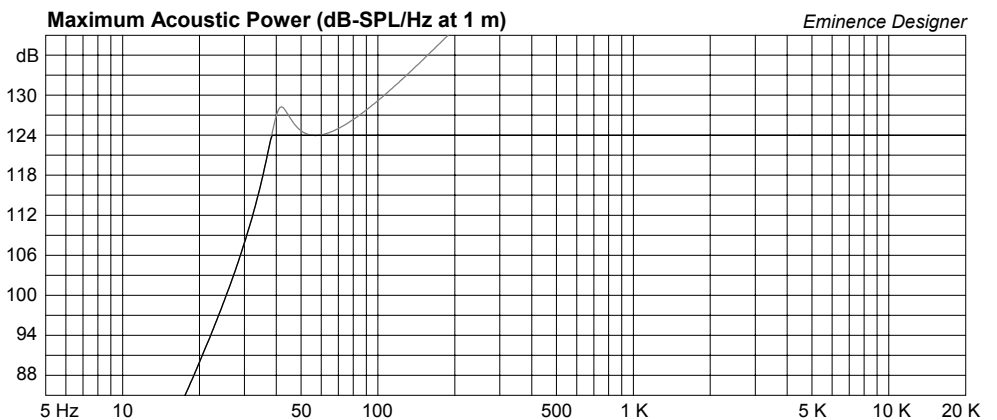
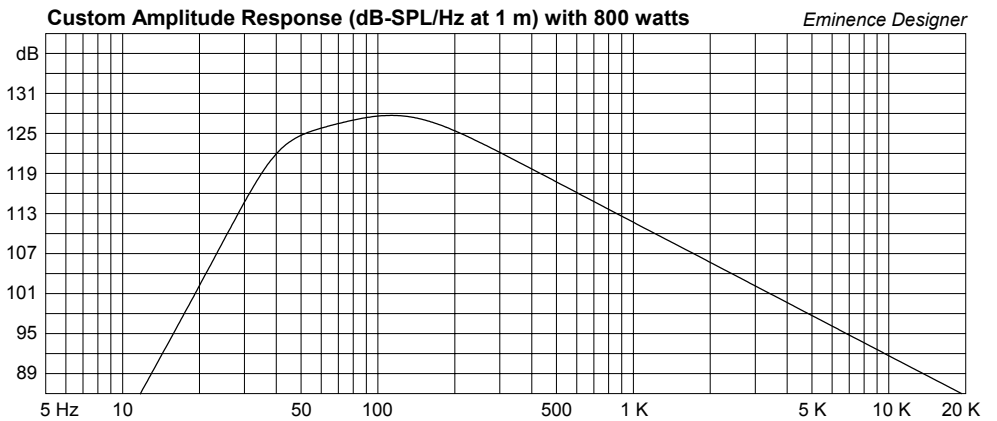
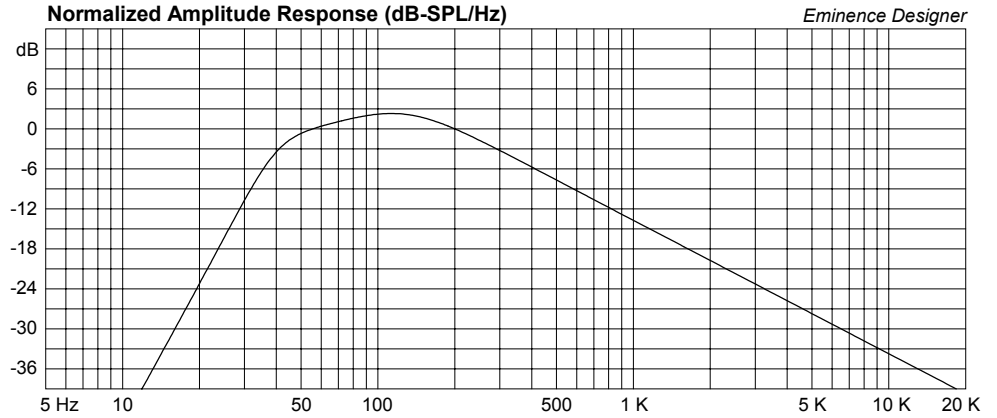
Qes = 0.36

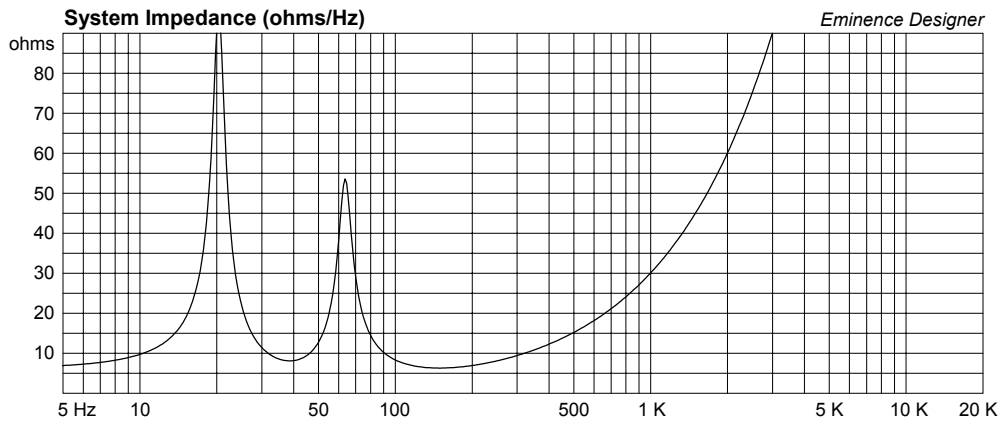
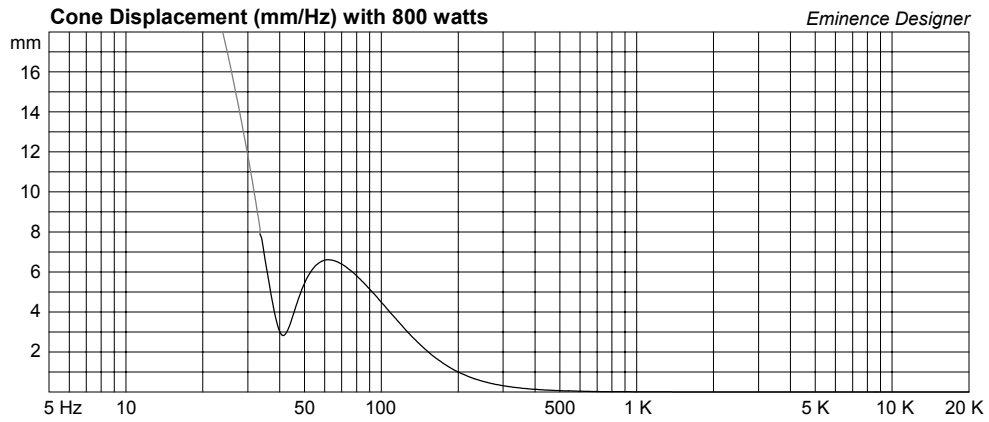
Re = 6.19 ohms

Le = 4.78 mH

Z = 8 ohms

Pe = 800 watts





DefiniMax 4018LF Small PA Sub or Bass Guitar Bottom

By Jerry McNutt, Eminence Speaker LLC

Thermally Limited to 800 Watts; F3 of 45 Hz. Use a steep high pass filter set to 35 Hz.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 3.85 cu.ft

V(total) = 4.591 cu.ft

Fb = 45 Hz

QL = 7

F3 = 44.46 Hz

Fill = minimal

--Vents--

No. of Vents = 4

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 12.42 in

Driver Properties

--Description--

Name:

Type: Standard one-way driver

Comment: New Driver For 2006

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 31.78 Hz

Qms = 10.38

Vas = 237.9 liters

Xmax = 7.9 mm

Sd = 1188 sq.cm

Qes = 0.36

Re = 6.19 ohms

Le = 4.78 mH

Z = 8 ohms

Pe = 800 watts

