

# KappaLite 3012LF-4 Small Vented Cabinet

By Matt Marcum, Eminence Speaker LLC

Limit to 550 Watts; F3 at 71 Hz, F10 at 52 Hz. High-pass at 55 Hz.

Great for small PA woofer or bass guitar.

## Box Properties

--Description--

Name: Vented Box 3

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 0.8 cu.ft

V(total) = 1.083 cu.ft

Fb = 65 Hz

QL = 7

F3 = 71.36 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 16.09 in

## Driver Properties

--Description--

Name: KappaLite 3012LF-4

Type: Standard one-way driver

Company: Eminence Speaker LLC

Piston: Paper cone.

Suspension: Cloth surround.

Dust Cap: Paper dust cap.

Frame: Diecast aluminum basket/heatsink.

Voice Coil: 3 inch (76.2 mm) copper coil. K<sub>ms</sub> on former.

Magnet: 11 oz neodymium magnet.

Magnetic shielding

--Configuration--

**No. of Drivers = 1**

--Mechanical Parameters--

Fs = 36.4 Hz

Qms = 8.38

Vas = 107.4 liters

Cms = 0.26 mm/N

Mms = 72.43 g

Rms = 1.98 kg/s

Xmax = 9.1 mm

Xmech = 14.5 mm

P-Dia = 262 mm

Sd = 545.4 sq.cm

P-Vd = 0.491 liters

--Electrical Parameters--

Qes = 0.32

Re = 3.89 ohms

Le = 0.66 mH

Z = 4 ohms

BL = 14.27 Tm

Pe = 550 watts

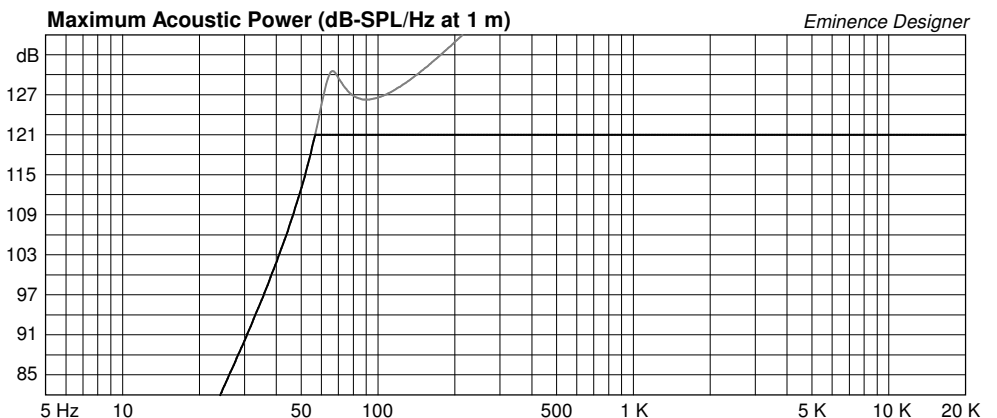
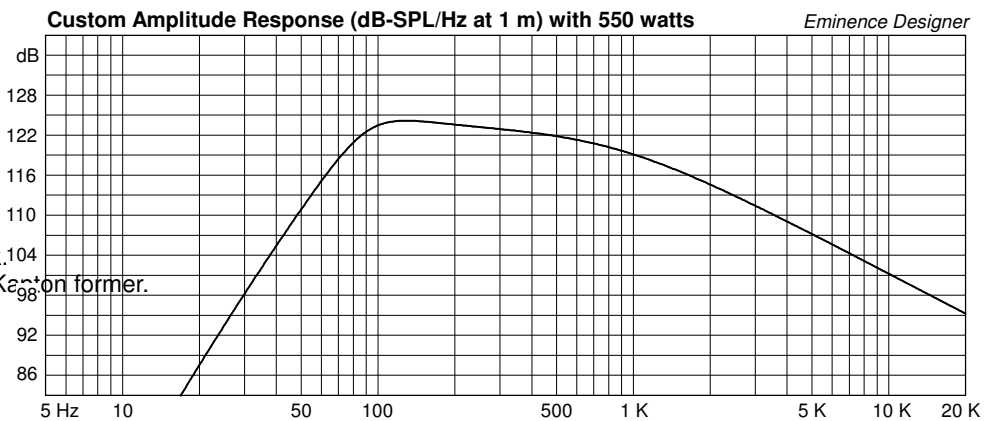
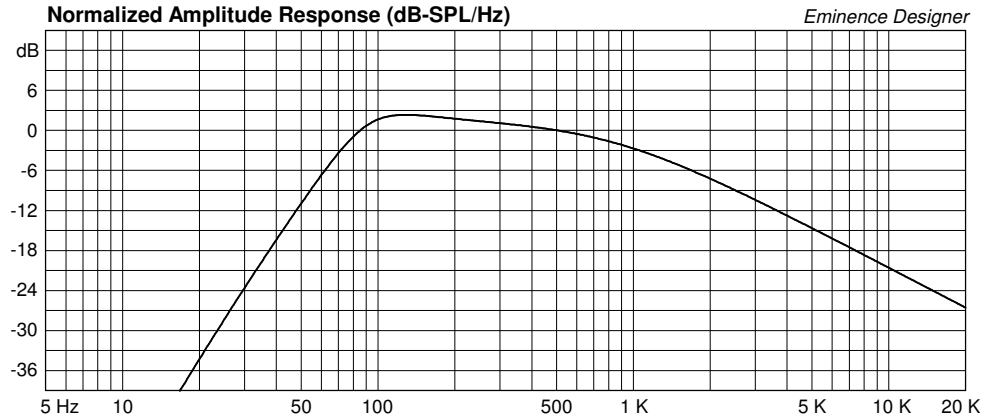
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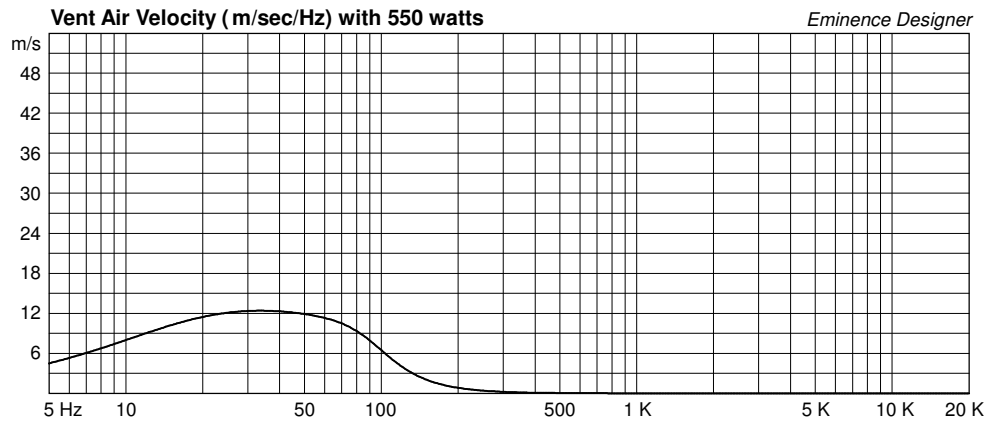
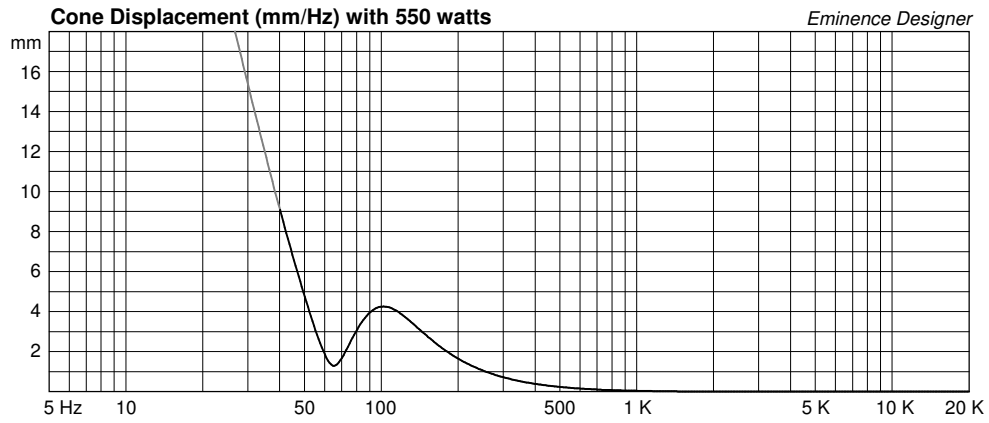
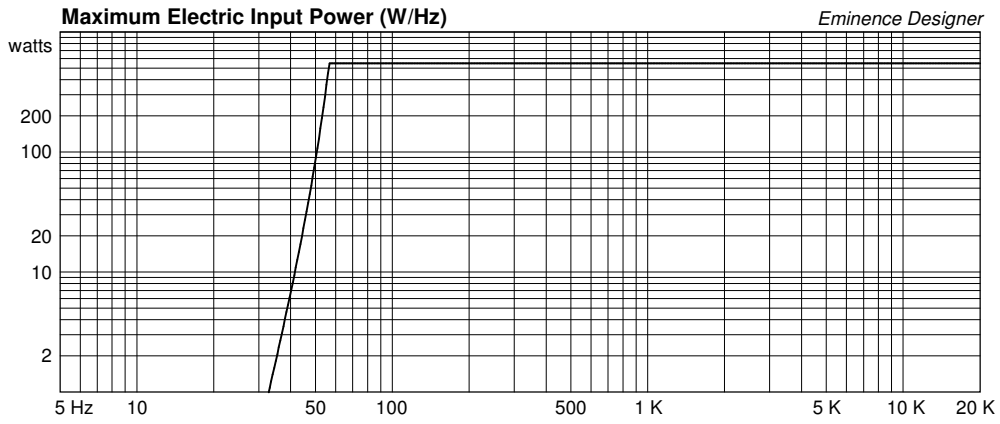
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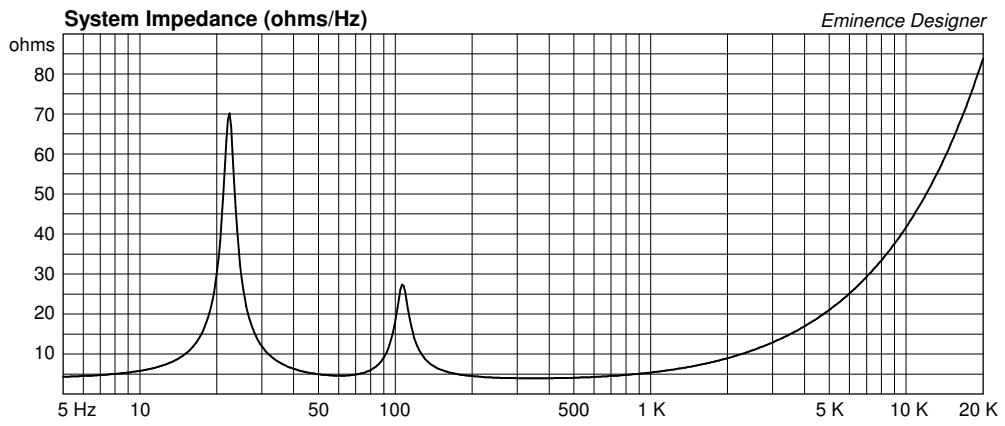
no = 1.56 %

1-W SPL = 92.9 dB

2.83-V SPL = 97.21 dB







# KappaLite 3012LF-4 Medium Vented Cabinet

By Matt Marcum, Eminence Speaker LLC

Limit to 450 Watts; F3 at 46 Hz, F10 at 36 Hz. High-pass at 40 Hz.

Great for small PA sub or bass guitar cabinet bottom.

## Box Properties

--Description--

Name: Vented Box 3

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 2.3 cu.ft

V(total) = 2.478 cu.ft

Fb = 46 Hz

QL = 7

F3 = 46.35 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 9.718 in

## Driver Properties

--Description--

Name: KappaLite 3012LF-4

Type: Standard one-way driver

Company: Eminence Speaker LLC

Piston: Paper cone.

Suspension: Cloth surround.

Dust Cap: Paper dust cap.

Frame: Diecast aluminum basket/heatsink.

Voice Coil: 3 inch (76.2 mm) copper coil. K<sub>ms</sub> on former.

Magnet: 11 oz neodymium magnet.

Magnetic shielding

--Configuration--

**No. of Drivers = 1**

--Mechanical Parameters--

Fs = 36.4 Hz

Qms = 8.38

Vas = 107.4 liters

Cms = 0.26 mm/N

Mms = 72.43 g

Rms = 1.98 kg/s

Xmax = 9.1 mm

Xmech = 14.5 mm

P-Dia = 262 mm

Sd = 545.4 sq.cm

P-Vd = 0.491 liters

--Electrical Parameters--

Qes = 0.32

Re = 3.89 ohms

Le = 0.66 mH

Z = 4 ohms

BL = 14.27 Tm

Pe = 550 watts

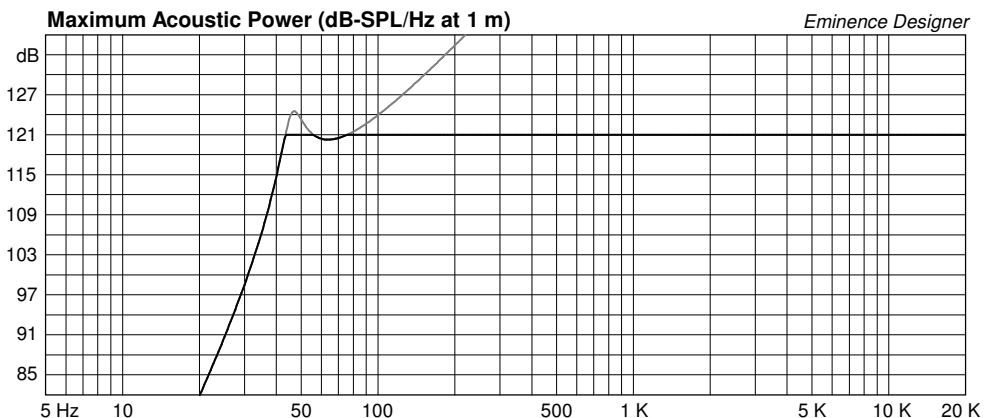
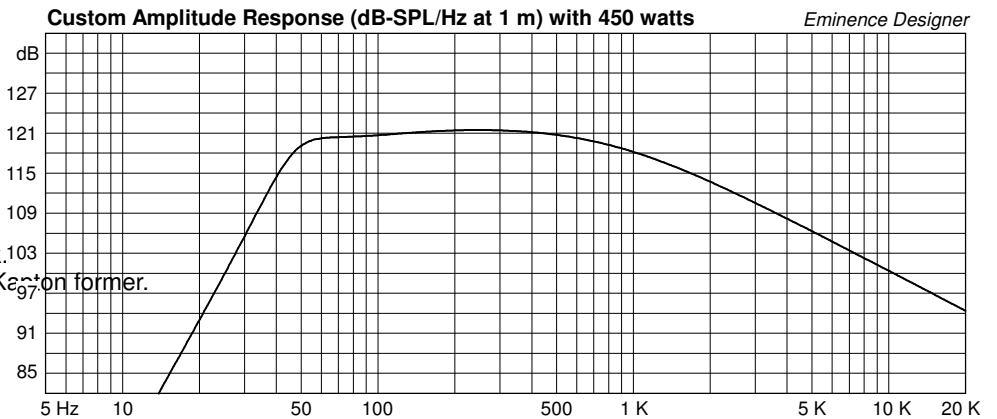
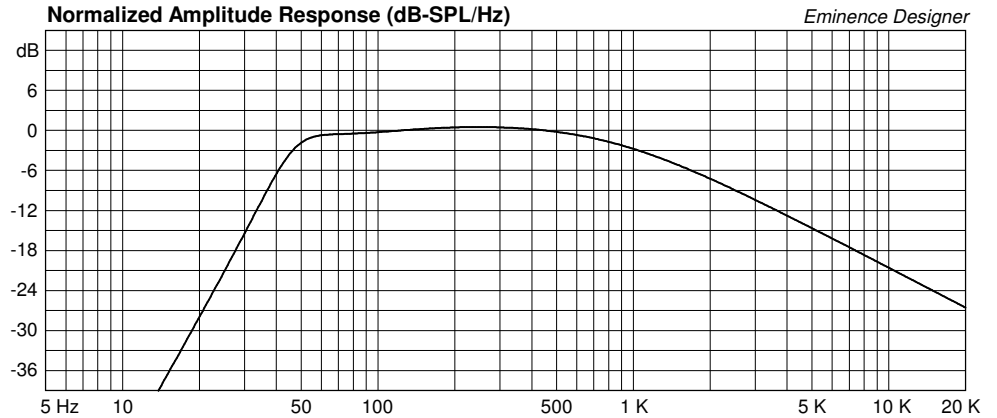
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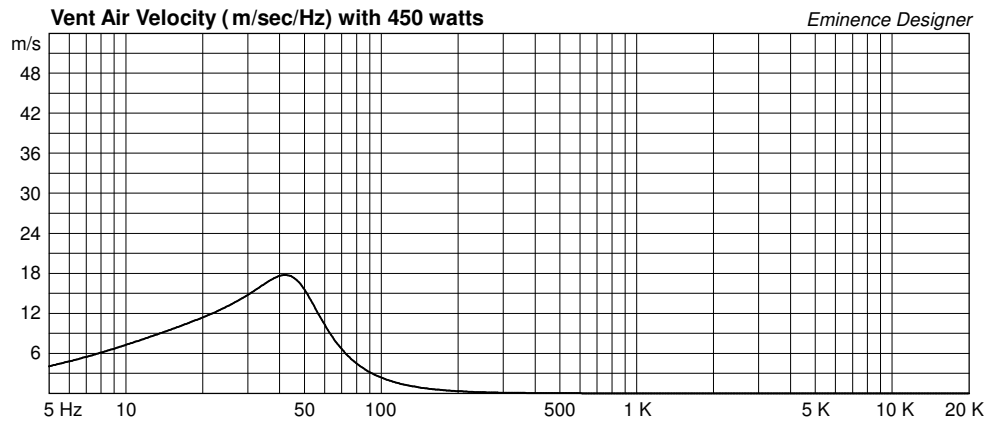
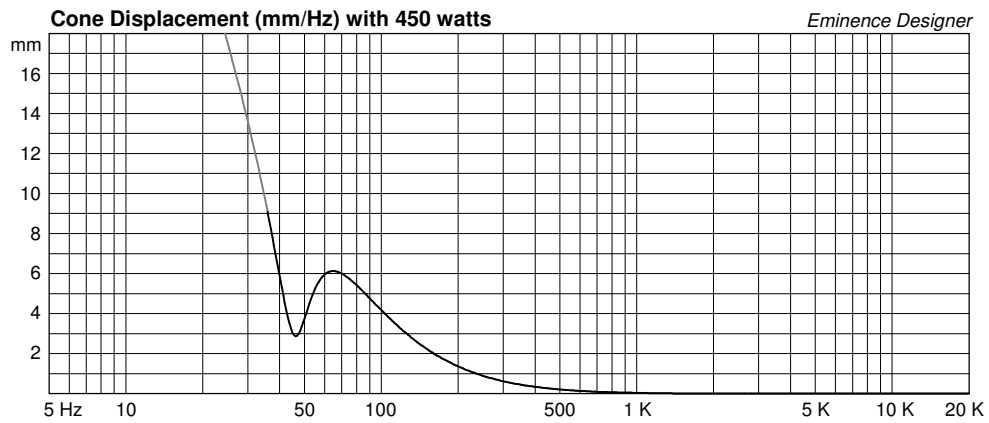
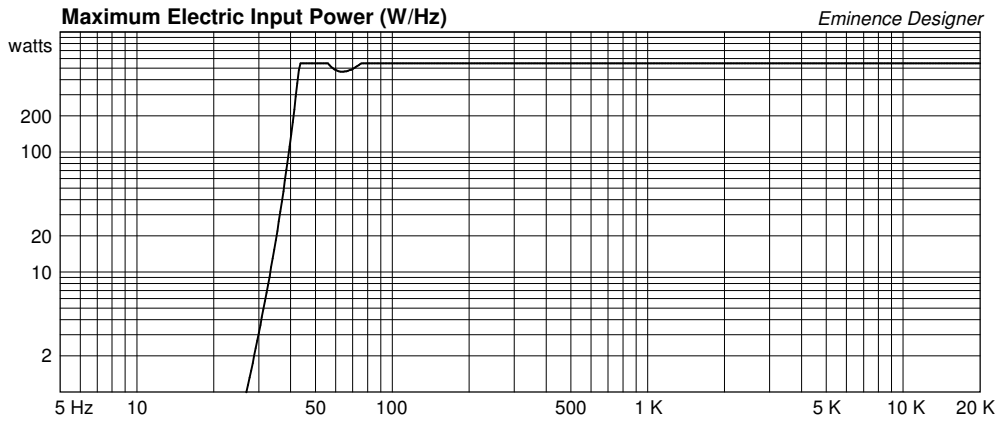
Qts = 0.31

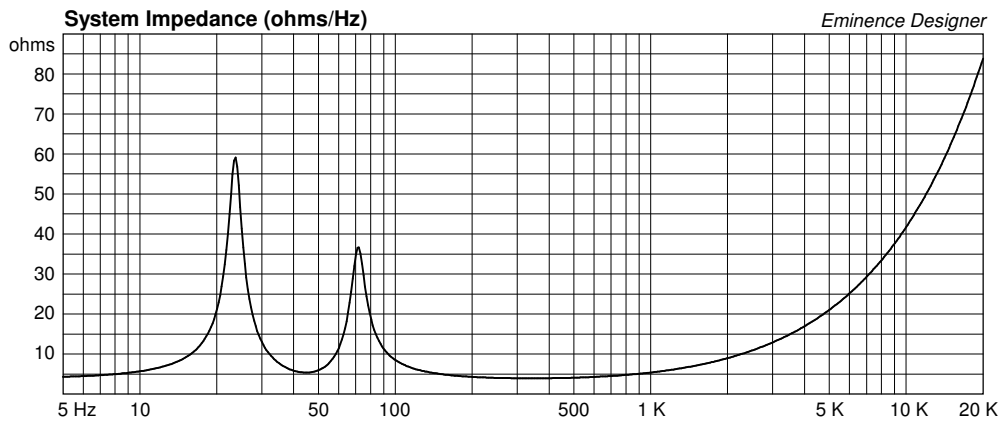
no = 1.56 %

1-W SPL = 92.9 dB

2.83-V SPL = 97.21 dB







# KappaLite 3012LF-4 Large Vented Cabinet

By Matt Marcum, Eminence Speaker LLC

Limit to 300 Watts; F3 at 41 Hz, F10 at 32 Hz. High-pass at 35 Hz.

Great for small PA sub or bass guitar cabinet bottom.

## Box Properties

--Description--

Name: Vented Box 3

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 3.1 cu.ft

V(total) = 3.262 cu.ft

Fb = 41 Hz

QL = 7

F3 = 41.09 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 8.762 in

## Driver Properties

--Description--

Name: KappaLite 3012LF-4

Type: Standard one-way driver

Company: Eminence Speaker LLC

Piston: Paper cone.

Suspension: Cloth surround.

Dust Cap: Paper dust cap.

Frame: Diecast aluminum basket/heatsink.

Voice Coil: 3 inch (76.2 mm) copper coil. K<sub>ms</sub> on former.

Magnet: 11 oz neodymium magnet.

Magnetic shielding

--Configuration--

**No. of Drivers = 1**

--Mechanical Parameters--

Fs = 36.4 Hz

Qms = 8.38

Vas = 107.4 liters

Cms = 0.26 mm/N

Mms = 72.43 g

Rms = 1.98 kg/s

Xmax = 9.1 mm

Xmech = 14.5 mm

P-Dia = 262 mm

Sd = 545.4 sq.cm

P-Vd = 0.491 liters

--Electrical Parameters--

Qes = 0.32

Re = 3.89 ohms

Le = 0.66 mH

Z = 4 ohms

BL = 14.27 Tm

Pe = 550 watts

--Electromech. Parameters--

Qts = 0.31

no = 1.56 %

1-W SPL = 92.9 dB

2.83-V SPL = 97.21 dB

