

## Specification

Nominal Basket Diameter	6.5", 165mm
Nominal Impedance*	8 ohms
Power Rating**	100W
Usable Frequency Range	74Hz-5.5kHz
Sensitivity***	94.0
Magnet Weight	4oz
Gap Height	.25", 6.35mm
Voice Coil Diameter	1.5", 38.1mm

## Theile & Small Parameters

Resonance (Fs)	125.55Hz
DC Resistance (Re)	7.3
Coil Inductance (Le)	.53mH
Mechanical Q (Qms)	6.30
Electromagnetic Q (Qes)	.61
Total Q (Qts)	.56
Compliance Eqiv Vol (Vas)	4.92 ltr./ .17cuft
Peak Diaphragm Displacement Vol (Vd)	45.50cc
Compliance Susp (Cms)	.21mm/N
BL Product (BL)	8.5 T-M
Moving Mass inc. Airload (Mms)	7.7 grams
Efficiency BandWidth Product (EBP)	204.9
Maximum Linear Excursion (Xmax )	3.5mm
Active Piston Area (Sd)	129.9cm <sup>2</sup>
Maximum Mechanical Limit (Xlim)	4.0mm

## Mounting Information

Recommended Enclosure Volume	
Sealed	3-283170 liters / .1-10000.0 cuft
Vented	3-16 liters / .1-.6 cuft
Driver Volume Displaced	in <sup>3</sup> , ltr.
Overall Diameter(inches)	6.59", 167.39mm
Major Diameter(inches)	.00", .00mm
Minor Diameter(inches)	.00", .00mm
Baf Hole Dia In.	5.69", 144.53mm
Front Gasket:	Yes fitted as standard
Rear Gasket:	Yes fitted as standard
Mount Holes Diameter(inches)	.23", 5.84mm
Mount Hole BCD (inches)	6.06", 153.92mm
Depth (inches)	2.40", 60.96mm
Net Wt Lbs.	2.20 lbs, 1.00 kg
Ship Wt Lbs.	.00 lbs, .00 kg

## Materials

Former Material	Kapton
Voice Coil	Round Copper
Magnet Material	Neo
Special Core Features	Extended
Vented Motor	Vented core
Basket Material	Steel
Cone Description	Curved Paper / Cloth Surround
Dust Cap Material	Treated Paper

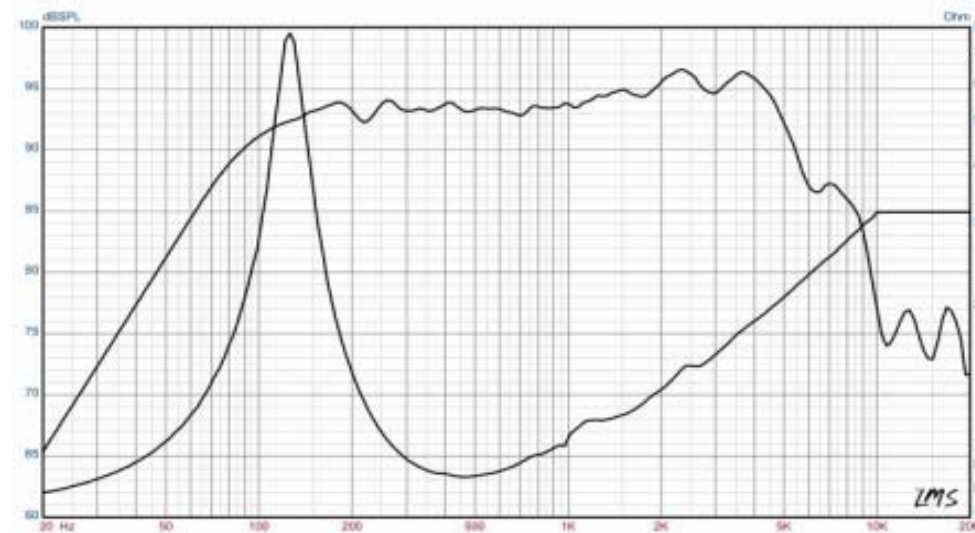


## Alphalite™ 6A

Pro Audio mid/bass driver. For sealed, vented, or infinite baf. Applications. Neo makes it very light.

**Coloration:**

**Genre:**



\*Please inquire about alternative impedances.

\*\*Multiple units exceed published rating evaluated under EIA 426A noise source and test standard while 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/8ohms, 4V/16ohms.

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 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).