

Specification

Nominal Basket Diameter	6.5", 165.1mm
Nominal Impedance*	8 ohms
Power Rating**	
Watts	100W
Music Program	200W
Resonance	125.55Hz
Usable Frequency Range***	74Hz-5.5kHz
Sensitivity	94
Magnet Weight	3.5 oz.
Gap Height	0.25", 6.35mm
Voice Coil Diameter	1.5", 38.1mm

Thiele & Small Parameters

Resonant Frequency (fs)	126Hz
DC Resistance (Re)	7.3
Coil Inductance (Le)	.53mH
Mechanical Q (Qms)	6.30
Electromagnetic Q (Qes)	0.61
Total Q (Qts)	0.56
Compliance Equivalent Volume (Vas)	4.92 liters / .17 cu.ft.
Peak Diaphragm Displacement Volume (Vd)	46 cc
Mechanical Compliance of Suspension (Cms)	0.21mm/N
BL Product (BL)	8.5 T-M
Diaphragm Mass inc. Airload (Mms)	7.7 grams
Efficiency Bandwidth Product (EBP)	204.9
Maximum Linear Excursion (Xmax)	3.5mm
Surface Area of Cone (Sd)	129.9 cm ²
Maximum Mechanical Limit (Xlim)	4.0mm

Mounting Information

Recommended Enclosure Volume	
Sealed	2.83-8liters/.1-8 cu.ft.
Vented	3-16 liters/.1-6 cu.ft.
Driver Volume Displaced	15.1 cu.in. / 0.25 liters
Overall Diameter	6.59", 167.39mm
Baffle Hole Diameter	5.69", 144.53mm
Front Sealing Gasket	Fitted as standard
Rear Sealing Gasket	Fitted as standard
Mounting Holes Diameter	0.23", 5.8mm
Mounting Holes B.C.D.	6.06", 153.9mm
Depth	2.40", 61mm
Net Weight	2.2 lbs, 1.00 kg
Shipping Weight	2.9 lbs, 1.3 kg

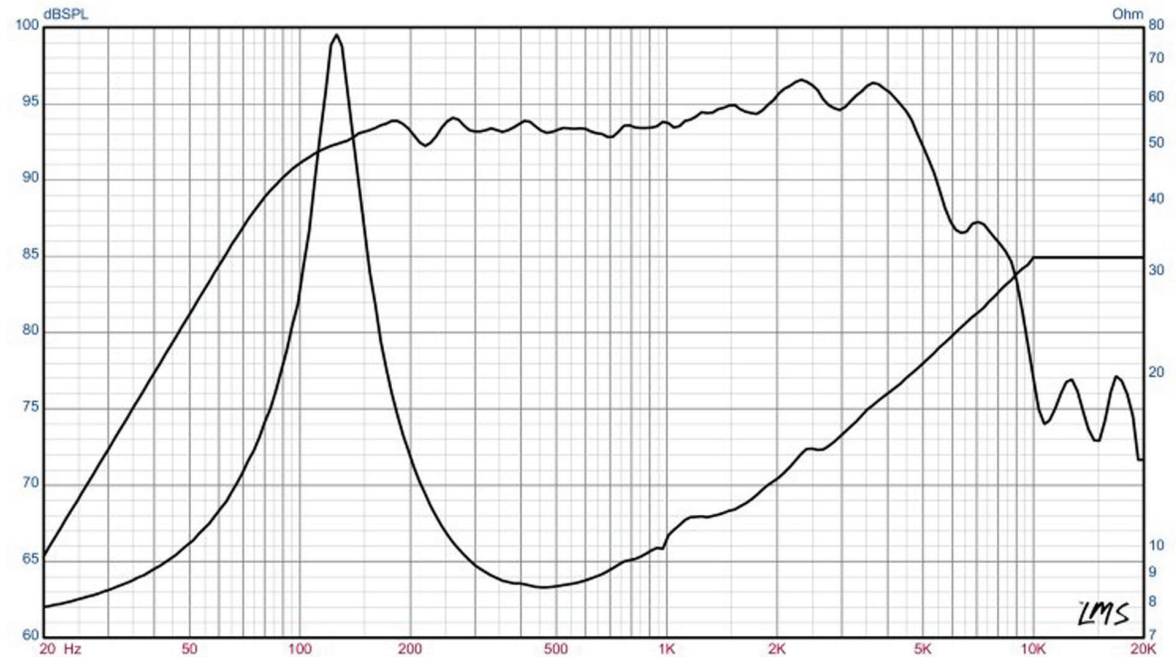
Materials of Construction

Round Copper voice coil
 Kapton
 Neodymium magnet
 Vented and Extended core
 Pressed steel basket
 Paper Cone
 Cloth cone edge
 Treated paper dust cap



ALPHALITE™ 6A Neodymium Series

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



* 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. Ie: 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)