

Specification

Nominal Basket Diameter	6.5", 165mm
Nominal Impedance*	8 ohms
Power Rating**	100W
Resonance	118Hz
Usable Frequency Range***	85Hz-6kHz
Sensitivity	93.6
Magnet Weight	20 oz.
Gap Height	0.25", 6.35mm
Voice Coil Diameter	1.5", 38.1mm

Thiele & Small Parameters

Resonant Frequency (fs)	118Hz
DC Resistance (Re)	7.2
Coil Inductance (Le)	0.19mH
Mechanical Q (Qms)	5.68
Electromagnetic Q (Qes)	0.60
Total Q (Qts)	0.54
Compliance Equivalent Volume (Vas)	5.8 liters / 0.2 cu.ft.
Peak Diaphragm Displacement Volume (Vd)	44cc
Mechanical Compliance of Suspension (Cms)	0.26mm/N
BL Product (BL)	8.0 T-M
Diaphragm Mass inc. Airload (Mms)	7 grams
Efficiency Bandwidth Product (EBP)	197
Maximum Linear Excursion (Xmax)	3.5mm
Surface Area of Cone (Sd)	126.7 cm ²
Maximum Mechanical Limit (Xlim)	4.0mm

Mounting Information

Recommended Enclosure Volume	
Sealed	2.8-5.7 liters/0.1-0.2 cu.ft.
Vented	3.4-15.6 liters/0.12-0.55 cu.ft.
Overall Diameter	6.59", 167.4mm
Baffle Hole Diameter	5.69", 144.5mm
Front Sealing Gasket	fitted as standard
Rear Sealing Gasket	fitted as standard
Mounting Holes Diameter	0.23", 5.7mm
Mounting Holes B.C.D.	6.06", 154mm
Depth	2.8", 71mm
Net Weight	4.1 lbs., 1.9 kg
Shipping Weight	4.8 lbs., 2.2 kg

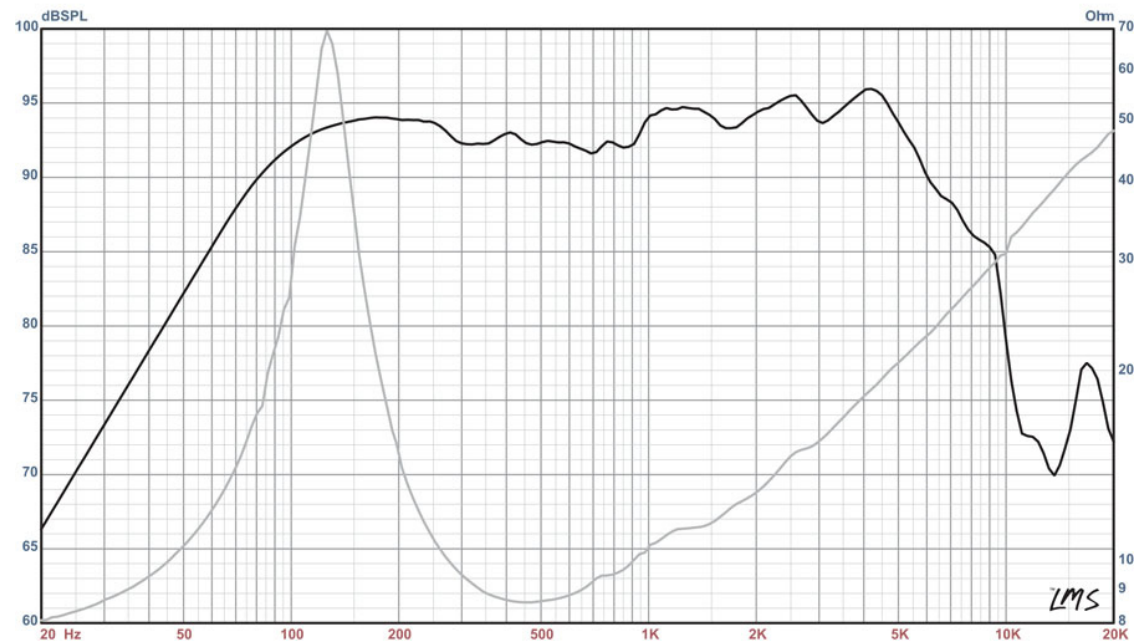
Materials of Construction

Copper voice coil
Polyimide former
Ferrite magnet
Vented and extended core
Pressed steel basket
Paper Cone
Cloth cone edge
Solid composition paper dust cap



ALPHA-6A American Standard Series

Recommended for professional audio mid-range applications in a sealed cabinet, or as a mid-bass in a vented satellite enclosure.



* 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)