Specification

6.5". 165mm Nominal Basket Diameter Nominal Impedance* 4 or 8 ohms Power Rating** 100W Watts Music Program 200W Resonance 118Hz Usable Frequency Range*** 85Hz-6kHz Sensitivity 93.6 Magnet Weight 20 oz 0.25", 6.35mm Gap Height Voice Coil Diameter 1.5". 38.1mm



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 ltr/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) 126.7cm² Maximum Mechanical Limit (Xlim) 4.0mm

Mounting Information

Recommended Enclosure Volume

Sealed 2.8-5.7 ltr/0.1-0.2 cu. ft. Vented 3.4-15.6 ltr/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

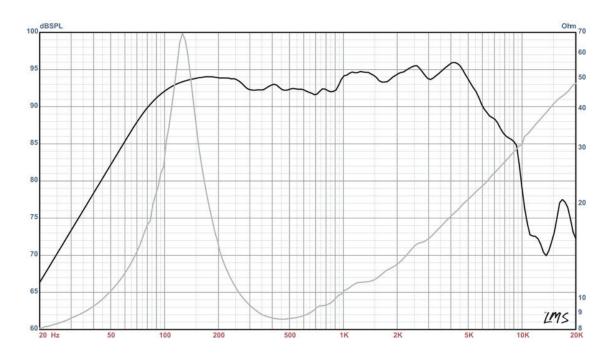
Coil Construction Copper Polvimide Coil Ferrite Magnet Composition Core Details Vented And Extended **Basket Materials** Pressed Steel Cone Composition Paper Cone Edge Composition Cloth **Dust Cap Composition** Solid Composition Paper





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, nontemperature-controlled environment.
- *** The average output across the usable frequency range when applying 1W/1m into the nominal impedance. Ie: 2.83 V/8 ohms, 4 V/16 ohms.

 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 | 2 ft. X 2 ft. 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 fiberolass on all six surfaces (three with custom-made wedges)