Specification

Nominal Basket Diameter	8”, 203.2mm
Nominal Impedance*	8 ohms
Power Rating**	
Watts	125W
Music Program	250W
Resonance	73Hz
Usable Frequency Range***	58Hz-5kHz
Sensitivity	94
Magnet Weight	20 oz
Gap Height	0.25”, 6.35mm
Voice Coil Diameter	1.5”, 38.1mm

Thiele & Small Parameters

Resonant Frequency (fs)	73Hz
DC Resistance (Re)	5.3
Coil Inductance (Le)	0.44mH
Mechanical Q (Qms)	4.6
Electromagnetic Q (Qes)	0.68
Total Q (Qts)	0.59
Compliance Equivalent Volume (Vas)	17.7 ltr/0.6 cu. ft.
Peak Diaphragm Displacement Volume (Vd)	67cc
Mechanical Compliance of Suspension (Cms)	0.28mm/N
BL Product (BL)	7.8 T-M
Diaphragm Mass inc. Airload (Mms)	17 grams
Efficiency Bandwidth Product (EBP)	107
Maximum Linear Excursion (Xmax)	3.2mm
Surface Area of Cone (Sd)	210.0cm^2
Maximum Mechanical Limit (Xlim)	7.1mm

Mounting Information

Recommended Enclosure Volume	
Sealed	5-7 ltr/0.18-0.25 cu. ft.
Vented	16.7-25.5 ltr/0.59-0.90 cu. ft.
Overall Diameter	8.24”, 209.2mm
Baffle Hole Diameter	7.13”, 181mm
Front Sealing Gasket	Fitted as Standard
Rear Sealing Gasket	Fitted as Standard
Mounting Holes Diameter	0.22”, 5.5mm
Mounting Holes B.C.D.	7.75”, 196.9mm
Depth	3.25”, 83mm
Net Weight	4.3 lbs, 1.9 kg
Shipping Weight	5.1 lbs, 2.3 kg

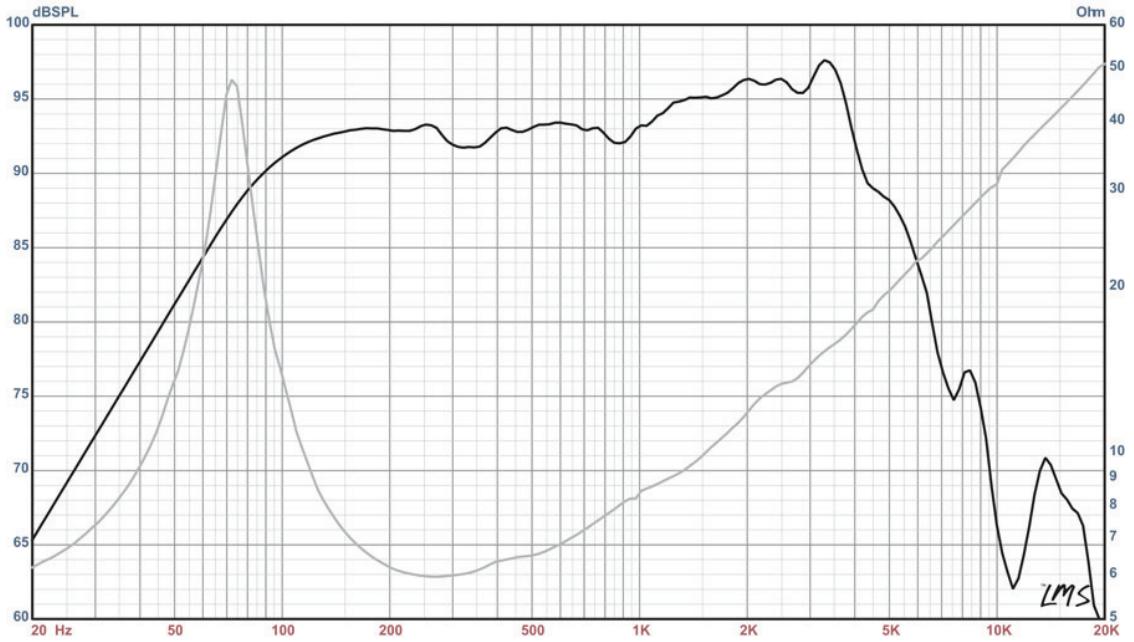
Materials of Construction

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

EMINENCE®
The Art and Science of Sound

ALPHA-8A 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 fiberglass on all six surfaces (three with custom-made wedges)