

SPECIFICATION

Nominal Basket Diameter	15", 381mm
Nominal Impedance*	8 ohms
Power Rating**	
Watts	200W
Music Program	400W
Resonance	41Hz
Usable Frequency Range***	46Hz-3.50kHz
Sensitivity	97.00
Magnet Weight	25 oz.
Gap Height	0.25", 6.35mm
Voice Coil Diameter	1.50", 38.10mm

THIELE & SMALL PARAMETERS

Resonant Frequency (fs)	41Hz
DC Resistance (Re)	5.88
Coil Inductance (Le)	0.84mH
Mechanical Q (Qms)	7.23
Electromagnetic Q (Qes)	1.53
Total Q (Qts)	1.26
Compliance Equivalent Volume (Vas)	260.00 liters / 9.20 cu.ft.
Peak Diaphragm Displacement Volume (Vd)	325.00cc
Mechanical Compliance of Suspension (Cms)	0.25mm/N
BL Product (BL)	7.70 T-M
Diaphragm Mass inc. Airlod (Mms)	59 grams
Efficiency Bandwidth Product (EBP)	27.00
Maximum Linear Excursion (Xmax)	3.80mm
Surface Area of Cone (Sd)	856.30 cm ²
Maximum Mechanical Limit (Xlim)	8.40mm

MOUNTING INFORMATION

Recommended Enclosure Volume	
Sealed	71.00-85.00 liters/2.50-3.00cu.ft.
Vented	106.00-177.00 liters/3.75-6.25 cu.ft.
Overall Diameter	15.15", 384.80mm
Baffle Hole Diameter	13.87", 352.30mm
Front Sealing Gasket	Fitted as standard
Rear Sealing Gasket	Fitted as standard
Mounting Holes Diameter	0.25", 6.40mm
Mounting Holes B.C.D.	14.56", 369.90mm
Depth	5.83", 148mm
Net Weight	6.70 lbs., 3 kg
Shipping Weight	8.80 lbs., 4 kg

MATERIALS OF CONSTRUCTION

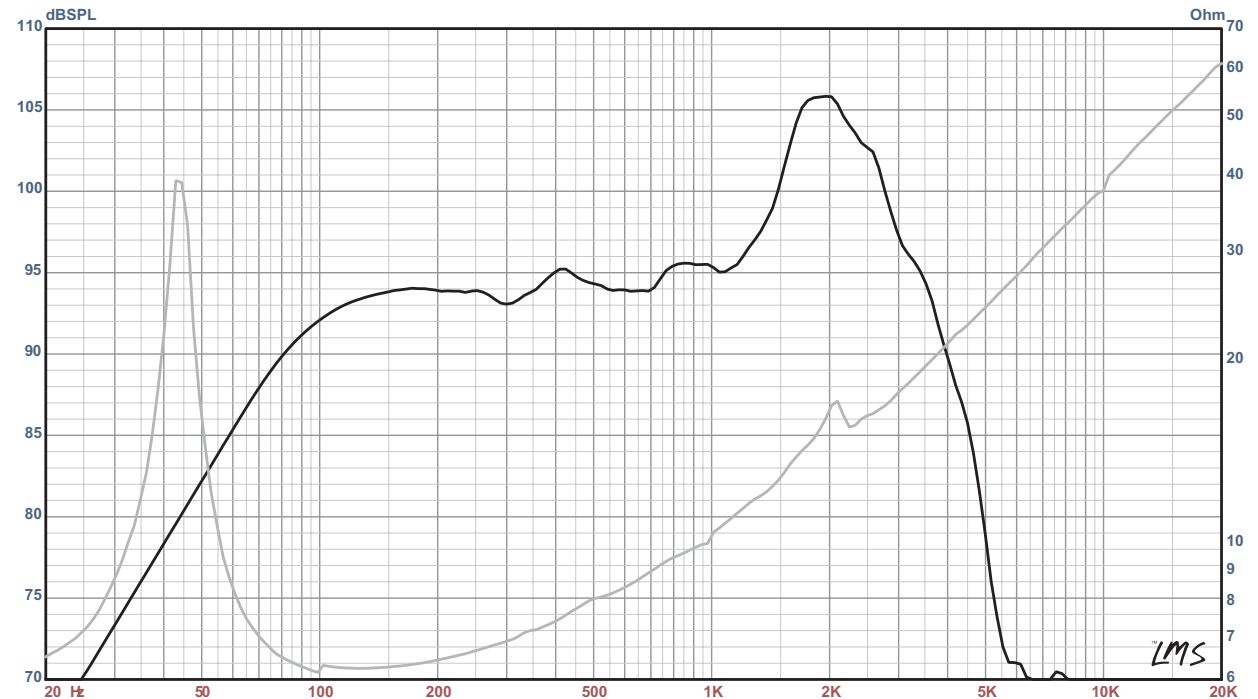
Copper voice coil
 Polyimide former
 Ferrite magnet
 Vented and extended core
 Pressed steel basket
 Paper Cone
 Cloth cone edge
 Solid composition paper dust cap




EMINENCE[®]
 The Art and Science of Sound

ALPHA-15A AMERICAN STANDARD SERIES

Recommended for professional audio and bass guitar applications as a woofer in a vented or sealed 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)