

SPECIFICATION

Nominal Basket Diameter	6.5", 165.1mm
Nominal Impedance*	8 ohms
Power Rating**	175W
Resonance	122.57Hz
Usable Frequency Range***	84Hz-4kHz
Sensitivity	94
Magnet Weight	30 oz.
Gap Height	0.25", 6.35mm
Voice Coil Diameter	2", 50.8mm

THIELE & SMALL PARAMETERS

Resonant Frequency (fs)	122.57Hz
DC Resistance (Re)	5.18
Coil Inductance (Le)	0.43mH
Mechanical Q (Qms)	3.46
Electromagnetic Q (Qes)	0.66
Total Q (Qts)	0.56
Compliance Equivalent Volume (Vas)	3.51 liters / 0.12 cu.ft.
Peak Diaphragm Displacement Volume (Vd)	61.05cc
Mechanical Compliance of Suspension (Cms)	0.15mm/N
BL Product (BL)	8.13 T-M
Diaphragm Mass inc. Airload (Mms)	10.93 grams
Efficiency Bandwidth Product (EBP)	185.4
Maximum Linear Excursion (Xmax)	4.50mm
Surface Area of Cone (Sd)	129.9 cm ²
Maximum Mechanical Limit (Xlim)	5.7mm

MOUNTING INFORMATION

Recommended Enclosure Volume	
Sealed	2.38-283,170 liters/0.08-10,000cu.ft.
Vented	5.10-14.16 liters/0.18-0.5 cu.ft.
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", 5.84mm
Mounting Holes B.C.D.	6.06", 153.92mm
Depth	2.66", 67.56mm
Net Weight	5.6 lbs., 2.54 kg
Shipping Weight	6.3 lbs., 2.86 kg

MATERIALS OF CONSTRUCTION

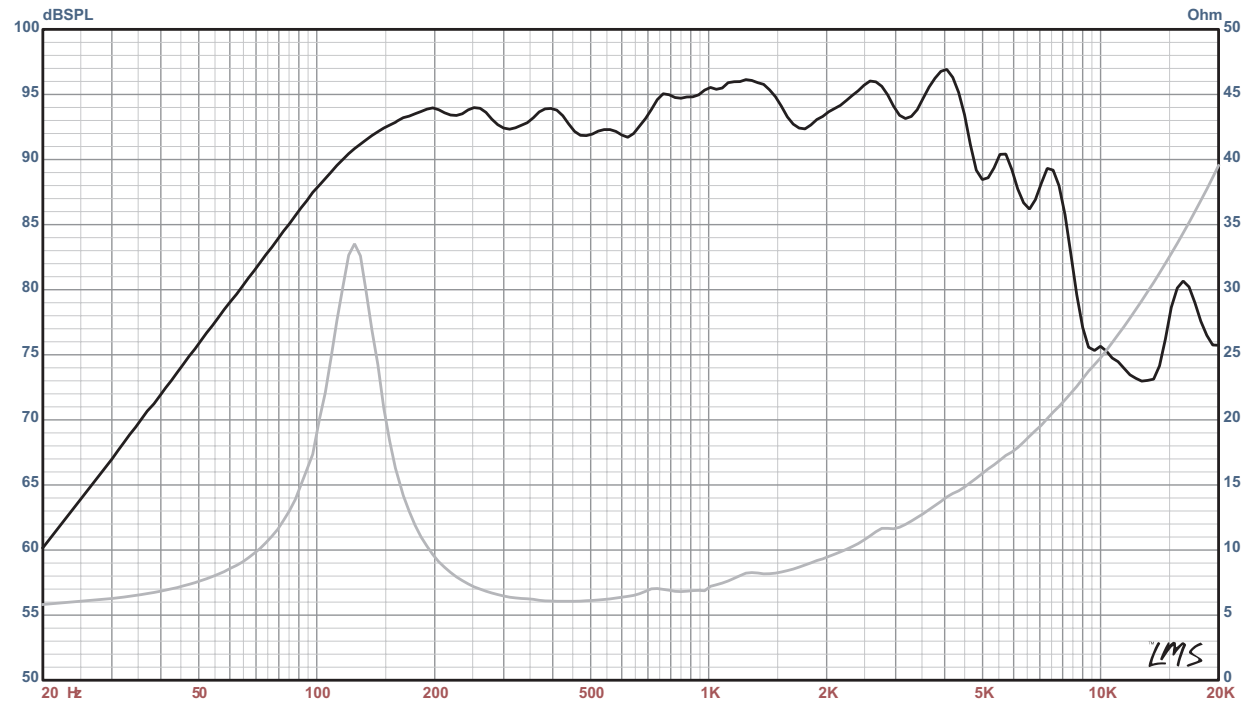
Aluminum voice coil
 Polyimide former
 Ferrite magnet
 Vented and extended core
 Pressed steel basket
 Water Resistant Paper
 Treated Cloth cone edge
 Water resistant treated paper dust cap


EMINENCE®
 The Art and Science of Sound



BETA-6A AMERICAN STANDARD SERIES

High power 6.5" Mid/Bass driver for use in concert sound systems or in high power auto sound as a mid/bass or a midrange driver. Works well in tiny sealed or vented enclosures, and in Infinite Baffles too.



* 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)