

Specification

Nominal Basket Diameter	15", 381mm
Nominal Impedance*	8 ohms
Power Rating**	300W
Resonance	35Hz
Usable Frequency Range***	45Hz-3.7kHz
Sensitivity	98.2
Magnet Weight	34 oz.
Gap Height	0.312", 7.92mm
Voice Coil Diameter	2", 50.8mm

Thiele & Small Parameters

Resonant Frequency (fs)	35Hz
DC Resistance (Re)	6.32
Coil Inductance (Le)	1.10mH
Mechanical Q (Qms)	8.10
Electromagnetic Q (Qes)	0.63
Total Q (Qts)	0.58
Compliance Equivalent Volume (Vas)	334.6 liters / 11.8 cu. ft.
Peak Diaphragm Displacement Volume (Vd)	330cc
Mechanical Compliance of Suspension (Cms)	0.35mm/N
BL Product (BL)	11.5 T-M
Diaphragm Mass inc. Airload (Mms)	60 grams
Efficiency Bandwidth Product (EBP)	56
Maximum Linear Excursion (Xmax)	4.0mm
Surface Area of Cone (Sd)	823.7 cm ²
Maximum Mechanical Limit (Xlim)	11.6mm

Mounting Information

Recommended Enclosure Volume	
Sealed	45-62 liters/1.6-2.2 cu. ft.
Vented	99-175.6 liters/3.5-6.2 cu. ft.
Overall Diameter	15.15", 384.8mm
Baffle Hole Diameter	13.77", 349.6mm
Front Sealing Gasket	fitted as standard
Rear Sealing Gasket	fitted as standard
Mounting Holes Diameter	0.25", 6.4mm
Mounting Holes B.C.D.	14.56", 369.9mm
Depth	6.05", 154mm
Net Weight	8.8 lbs., 4 kg
Shipping Weight	10.8 lbs., 4.9 kg

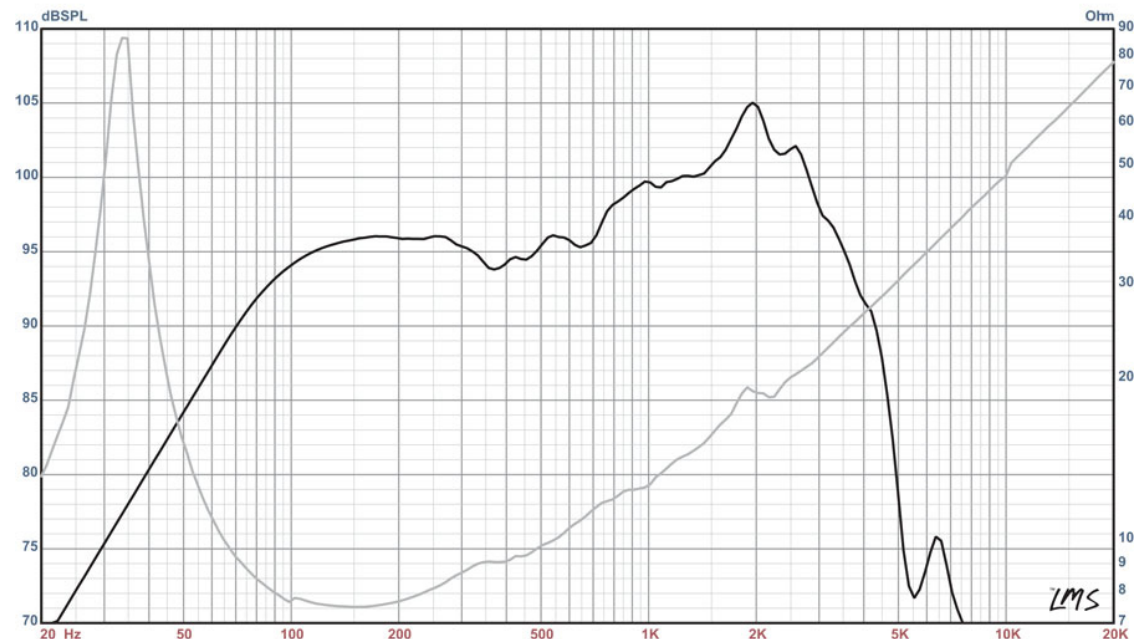
Materials of Construction

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



BETA-15A American Standard Series

Recommended for professional audio as a woofer in sealed and vented enclosures.



* 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)