

Specification

Nominal Basket Diameter	8", 203.2mm
Nominal Impedance*	8 ohms
Power Rating**	
Watts	225W
Music Program	450W
Resonance	65Hz
Usable Frequency Range***	78Hz-4.5kHz
Sensitivity	95.1
Magnet Weight	34 oz
Gap Height	0.312", 7.92mm
Voice Coil Diameter	2", 50.8mm

Thiele & Small Parameters

Resonant Frequency (fs)	65Hz
DC Resistance (Re)	5.99
Coil Inductance (Le)	0.49mH
Mechanical Q (Qms)	4.95
Electromagnetic Q (Qes)	0.42
Total Q (Qts)	0.38
Compliance Equivalent Volume (Vas)	23.3 ltr/0.82 cu. ft.
Peak Diaphragm Displacement Volume (Vd)	63cc
Mechanical Compliance of Suspension (Cms)	0.37mm/N
BL Product (BL)	9.6 T-M
Diaphragm Mass inc. Airlod (Mms)	16 grams
Efficiency Bandwidth Product (EBP)	156
Maximum Linear Excursion (Xmax)	3.0mm
Surface Area of Cone (Sd)	210.0cm ²
Maximum Mechanical Limit (Xlim)	7.4mm

Mounting Information

Recommended Enclosure Volume	
Sealed	5.7-9.9 ltr/0.2-0.35 cu. ft.
Vented	8.5-19 ltr/0.3-0.67 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	3.5", 89mm
Net Weight	6.6 lbs, 3 kg
Shipping Weight	7.4 lbs, 3.4 kg

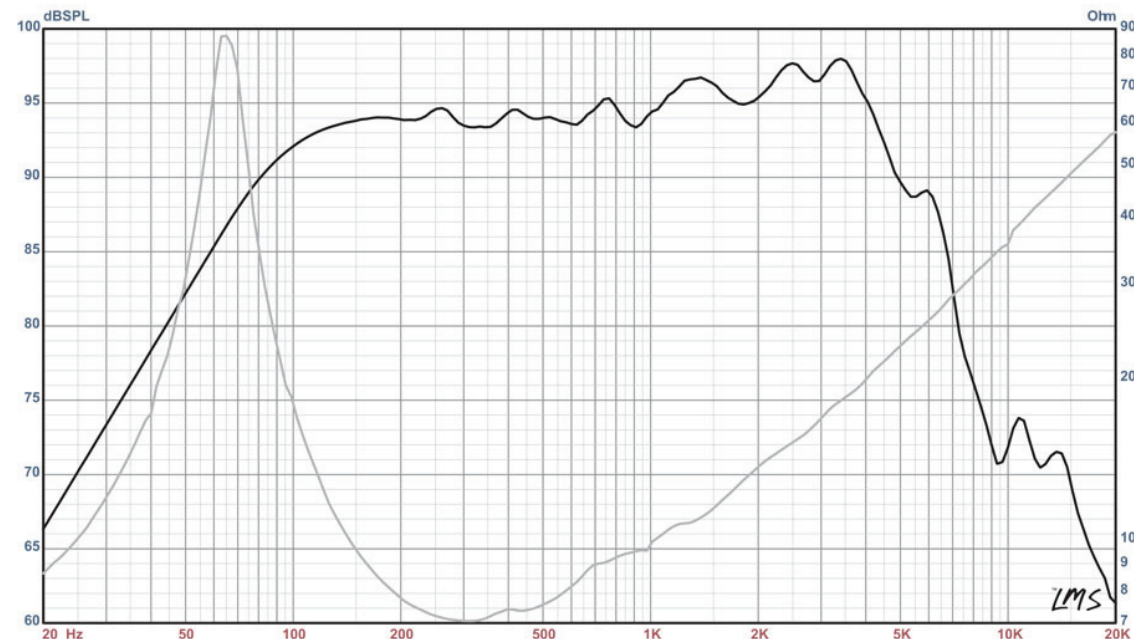
Materials of Construction

Coil Construction	Aluminum
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



BETA-8A American Standard Series

Recommended for professional audio mid-bass applications or as a woofer in vented enclosures.
Also suitable as a mid-bass speaker in sealed 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, nontemperature-controlled environment.

*** The average output across the usable frequency range when applying 1W/1m into the nominal impedance. l_e : 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)