

Specification

Nominal Basket Diameter	8", 203.2mm
Nominal Impedance*	8 ohms
Power Rating**	
Watts	250W
Music Program	500W
Resonance	63Hz
Usable Frequency Range***	74Hz-20kHz
Sensitivity	93.3
Magnet Weight	38 oz.
Gap Height	0.313", 7.94mm
Voice Coil Diameter	2", 50.8mm

Thiele & Small Parameters

Resonant Frequency (fs)	63Hz
DC Resistance (Re)	5.6
Coil Inductance (Le)	0.85mH
Mechanical Q (Qms)	8.82
Electromagnetic Q (Qes)	0.34
Total Q (Qts)	0.33
Compliance Equivalent Volume (Vas)	19.99 liters / .71 cu.ft.
Peak Diaphragm Displacement Volume (Vd)	67.20cc
Mechanical Compliance of Suspension (Cms)	0.32mm/N
BL Product (BL)	11.1 T-M
Diaphragm Mass inc. Airload (Mms)	18.3 grams
Efficiency Bandwidth Product (EBP)	193.1
Maximum Linear Excursion (Xmax)	3.2mm
Surface Area of Cone (Sd)	210.0 cm ²
Maximum Mechanical Limit (Xlim)	6.9mm

Mounting Information

Recommended Enclosure Volume	
Sealed	3-10 liters/ 0.1-0.4 cu.ft.
Vented	8-21 liters/0.3-0.8 cu.ft.
Driver Volume Displaced	48.4 cu.in. / 0.79 liters
Overall Diameter	8.24", 209.3mm
Baffle Hole Diameter	7.13", 181.1mm
Front Sealing Gasket	Fitted as standard
Rear Sealing Gasket	Fitted as standard
Mounting Holes Diameter	0.22", 5.6mm
Mounting Holes B.C.D.	7.75", 196.9mm
Depth	3.5", 88.9mm
Net Weight	6.8 lbs., 3.1 kg
Shipping Weight	7.5 lbs., 3.4 kg

Materials of Construction

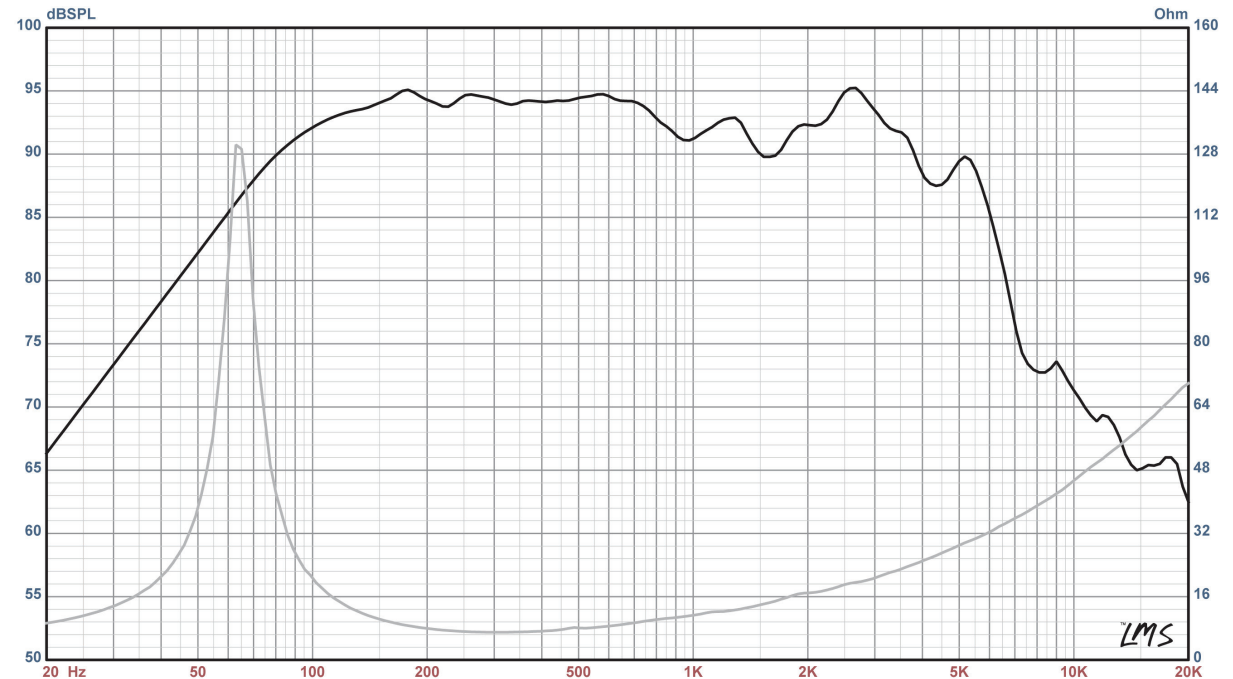
Copper voice coil
 Kapton former
 Ferrite magnet
 Tapered Coax
 Pressed steel basket
 Treated Paper Cone
 Sealed Cloth cone edge
 Zurette dust cap



EMINENCE[®]
 The Art and Science of Sound

BETA-8CX American Standard Series

Recommended for professional audio mid-range reproduction in sealed enclosures. Also suitable for mid-bass or floor monitor applications in vented 2-way cabinets.



* 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)