

## Specification

Nominal Basket Diameter	8", 203.2mm
Nominal Impedance*	8 ohms
Power Rating**	250W
Resonance	54Hz
Usable Frequency Range***	88Hz-20kHz*
Sensitivity	92
Magnet Weight	38 oz.
Gap Height	0.312", 7.92mm
Voice Coil Diameter	2", 50.8mm

## Thiele & Small Parameters

Resonant Frequency (fs)	54Hz
DC Resistance (Re)	5.53
Coil Inductance (Le)	0.96mH
Mechanical Q (Qms)	7.67
Electromagnetic Q (Qes)	0.31
Total Q (Qts)	0.30
Compliance Equivalent Volume (Vas)	34.9 liters / 1.2 cu. ft.
Peak Diaphragm Displacement Volume (Vd)	66cc
Mechanical Compliance of Suspension (Cms)	0.59mm/N
BL Product (BL)	9.5 T-M
Diaphragm Mass inc. Airload (Mms)	15 grams
Efficiency Bandwidth Product (EBP)	174
Maximum Linear Excursion (Xmax)	3.2mm
Surface Area of Cone (Sd)	205.9 cm <sup>2</sup>
Maximum Mechanical Limit (Xlim)	6.9mm

## Mounting Information

Recommended Enclosure Volume	
Sealed	5.7-8.5 liters/ 0.2-0.3 cu.ft.
Vented	8.5-17 liters/0.3-0.6 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	6.8 lbs., 3.1 kg
Shipping Weight	7.5 lbs., 3.4 kg

## Materials of Construction

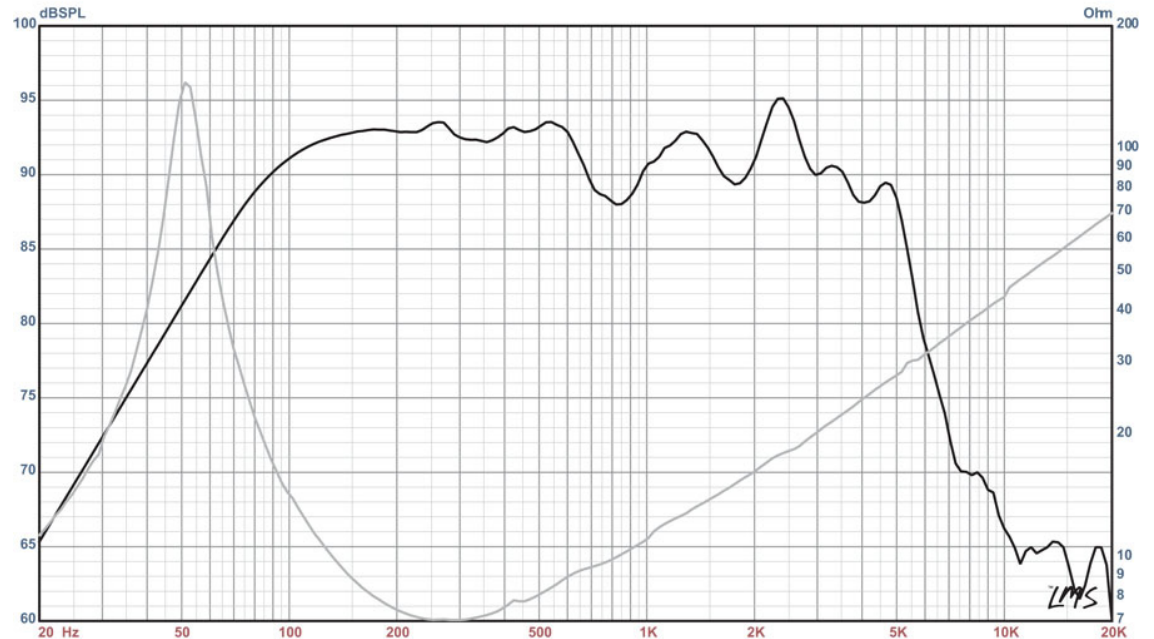
Copper voice coil  
 Polyimide former  
 Ferrite magnet  
 Extended core  
 Pressed steel basket  
 Paper Cone  
 Cloth cone edge  
 Screened cloth dust cap

  
**EMINENCE**<sup>®</sup>  
 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)