

## Specification

Nominal Basket Diameter	10", 254mm
Nominal Impedance*	8 ohms
Power Rating**	250W
Resonance	49Hz
Usable Frequency Range***	58Hz-20kHz*
Sensitivity	93.3
Magnet Weight	38 oz.
Gap Height	0.312", 7.92mm
Voice Coil Diameter	2", 50.8mm

## Thiele & Small Parameters

Resonant Frequency (fs)	49Hz
DC Resistance (Re)	5.53
Coil Inductance (Le)	0.75mH
Mechanical Q (Qms)	5.21
Electromagnetic Q (Qes)	0.43
Total Q (Qts)	0.39
Compliance Equivalent Volume (Vas)	64.2 liters / 2.3 cu. ft.
Peak Diaphragm Displacement Volume (Vd)	173cc
Mechanical Compliance of Suspension (Cms)	0.39mm/N
BL Product (BL)	10.4 T-M
Diaphragm Mass inc. Airload (Mms)	27 grams
Efficiency Bandwidth Product (EBP)	114
Maximum Linear Excursion (Xmax)	5.0mm
Surface Area of Cone (Sd)	344.9 cm <sup>2</sup>
Maximum Mechanical Limit (Xlim)	7.6mm

## Mounting Information

Recommended Enclosure Volume	
Sealed	14.2-19.8 liters/0.5-0.7 cu.ft.
Vented	15.6-85 liters/0.55-3 cu.ft.
Overall Diameter	10.08", 256.1mm
Baffle Hole Diameter	9.05", 229.7mm
Front Sealing Gasket	fitted as standard
Rear Sealing Gasket	fitted as standard
Mounting Holes Diameter	0.25", 6.4mm
Mounting Holes B.C.D.	9.66", 245.4mm
Depth	3.98", 101mm
Net Weight	7.3 lbs., 3.3 kg
Shipping Weight	8.4 lbs., 3.8 kg

## Materials of Construction

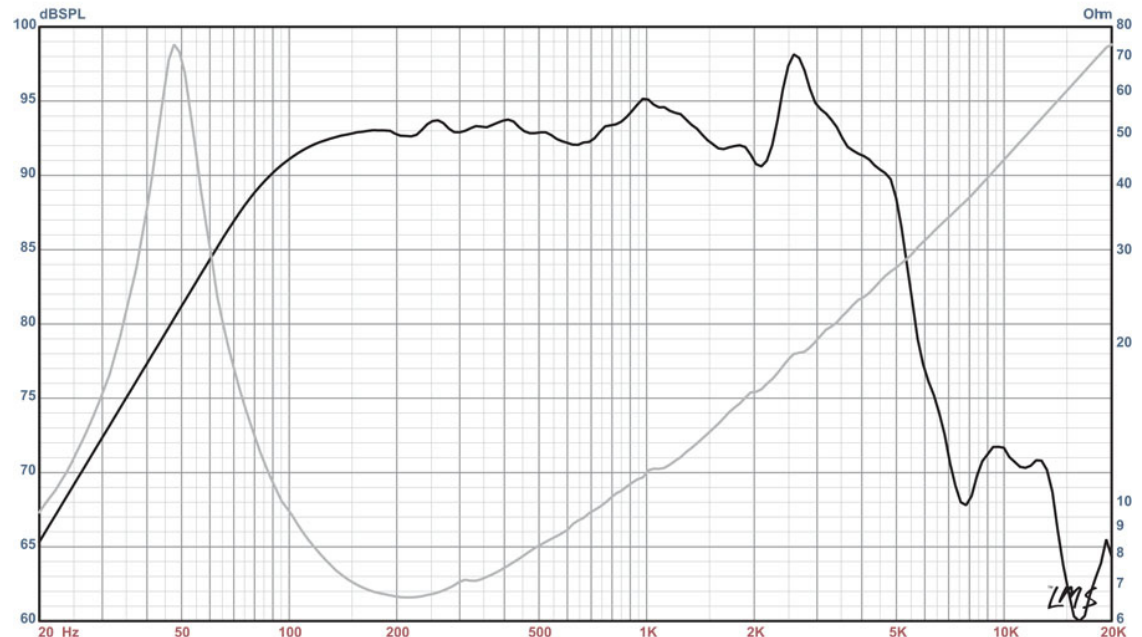
Copper voice coil  
Polyimide former  
Ferrite magnet  
Vented and extended core  
Pressed steel basket  
Paper Cone  
Cloth cone edge  
Screened cloth dust cap

  
EMINENCE®  
The Art and Science of Sound



## BETA-10CX American Standard Series

Recommended for professional audio vocal wedges, or mid-bass in a sealed enclosure. Also works well in a vented enclosure as a satellite or monitor.



\* 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)