

Specification

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|---------------------------|----------------|
| Nominal Basket Diameter | 10", 254mm |
| Nominal Impedance* | 8 ohms |
| Power Rating** | 250W |
| Resonance | 53Hz |
| Usable Frequency Range*** | 51Hz-3.8kHz |
| Sensitivity | 97 |
| Magnet Weight | 34 oz. |
| Gap Height | 0.312", 7.92mm |
| Voice Coil Diameter | 2", 50.8mm |

Thiele & Small Parameters

| | |
|---|---------------------------|
| Resonant Frequency (fs) | 53Hz |
| DC Resistance (Re) | 5.75 |
| Coil Inductance (Le) | 0.67mH |
| Mechanical Q (Qms) | 8.14 |
| Electromagnetic Q (Qes) | 0.52 |
| Total Q (Qts) | 0.49 |
| Compliance Equivalent Volume (Vas) | 60.1 liters / 2.1 cu. ft. |
| Peak Diaphragm Displacement Volume (Vd) | 102cc |
| Mechanical Compliance of Suspension (Cms) | 0.36mm/N |
| BL Product (BL) | 9.6 T-M |
| Diaphragm Mass inc. Airload (Mms) | 25 grams |
| Efficiency Bandwidth Product (EBP) | 103 |
| Maximum Linear Excursion (Xmax) | 3.0mm |
| Surface Area of Cone (Sd) | 344.9 cm ² |
| Maximum Mechanical Limit (Xlim) | 8.6mm |

Mounting Information

| | |
|------------------------------|---------------------------------|
| Recommended Enclosure Volume | |
| Sealed | 8.5-14.2 liters/0.3-0.5 cu.ft. |
| Vented | 19.8-70.8 liters/0.7-2.5 cu.ft. |
| Overall Diameter | 10.11", 256.8mm |
| Baffle Hole Diameter | 9.13", 231.8mm |
| Front Sealing Gasket | fitted as standard |
| Rear Sealing Gasket | fitted as standard |
| Mounting Holes Diameter | 0.23", 5.7mm |
| Mounting Holes B.C.D. | 9.6", 243.8mm |
| Depth | 3.98", 101mm |
| Net Weight | 6.8 lbs., 3.1 kg |
| Shipping Weight | 7.8 lbs., 3.6 kg |

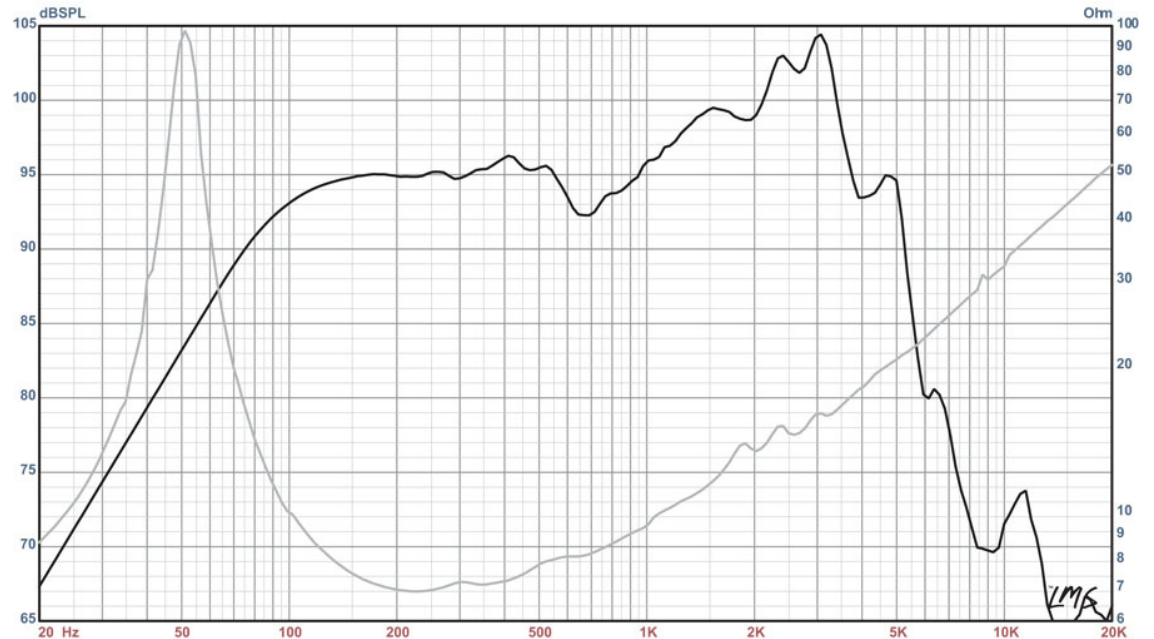
Materials of Construction

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



BETA-10A American Standard Series

Recommended for professional audio, bass guitar, mid-bass or floor monitor applications in sealed enclosures.
 Also works well as a mid-bass or woofer in 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)