## Specification

| | |
|---|---|
| Nominal Basket Diameter | 12”, 304.8mm |
| Nominal Impedance* | 8 ohms |
| Power Rating** | 250W |
| Resonance | 47Hz |
| Usable Frequency Range*** | 43Hz-3.8kHz |
| Sensitivity | 98 |
| Magnet Weight | 38 oz. |
| Gap Height | 0.312”, 7.92mm |
| Voice Coil Diameter | 2”, 50.8mm |

## Thiele & Small Parameters

| | |
|---|---|
| Resonant Frequency (fs) | 47Hz |
| DC Resistance (Re) | 5.0 |
| Coil Inductance (Le) | 0.64mH |
| Mechanical Q (Qms) | 6.00 |
| Electromagnetic Q (Qes) | 0.50 |
| Total Q (Qts) | 0.46 |
| Compliance Equivalent Volume (Vas) | 120.1 liters / 4.2 cu. ft. |
| Peak Diaphragm Displacement Volume (Vd) | 237cc |
| Mechanical Compliance of Suspension (Cms) | 0.29mm/N |
| BL Product (BL) | 10.8 T-M |
| Diaphragm Mass inc. Airload (Mms) | 40 grams |
| Efficiency Bandwidth Product (EBP) | 94 |
| Maximum Linear Excursion (Xmax) | 4.4mm |
| Surface Area of Cone (Sd) | 538.9 cm2 |
| Maximum Mechanical Limit (Xlim) | 11mm |

## Mounting Information

| | |
|---|---|
| Recommended Enclosure Volume | |
| Sealed | 25.5-35.4 liters, 0.9-1.25 cu.ft. |
| Vented | 36.8-139 liters/1.3-4.9 cu.ft. |
| Overall Diameter | 12.03”, 305.5mm |
| Baffle Hole Diameter | 10.95”, 278.1mm |
| Front Sealing Gasket | fitted as standard |
| Rear Sealing Gasket | fitted as standard |
| Mounting Holes Diameter | 0.25”, 6.4mm |
| Mounting Holes B.C.D. | 11.59”, 294.3mm |
| Depth | 4.57”, 116mm |
| Net Weight | 7.5 lbs., 3.4 kg |
| Shipping Weight | 9.7 lbs., 4.4 kg |

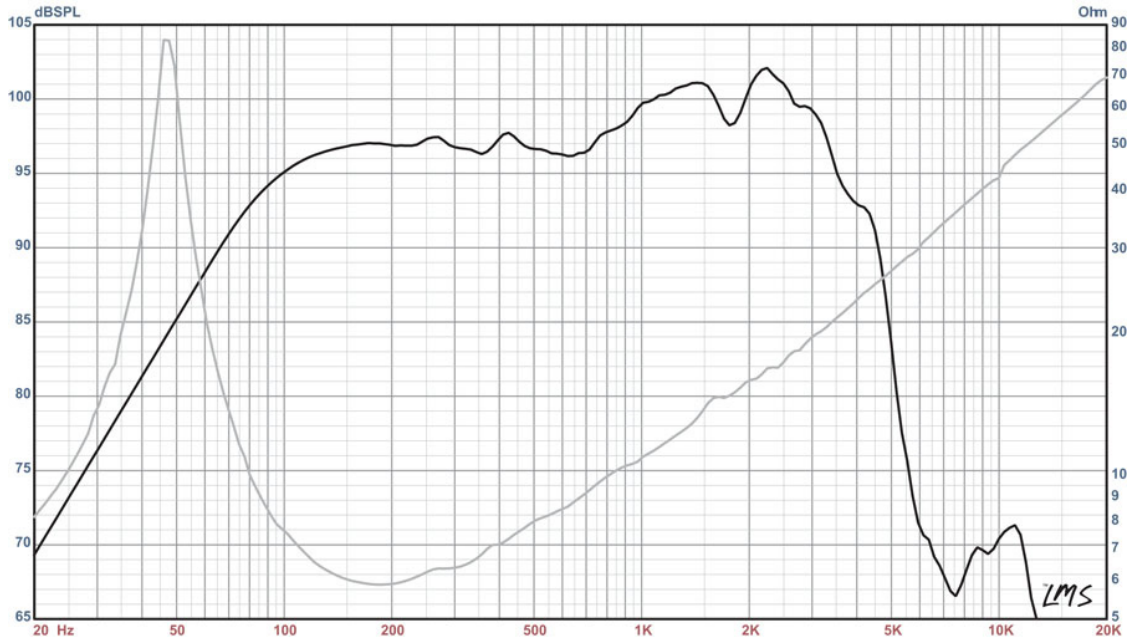
## Materials of Construction

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

EMINENCE®
The Art and Science of Sound

# BETA-12A-2 American Standard Series

Recommended for professional audio and bass guitar applications as a woofer in a vented enclosure. Also works well for PA in a sealed or bandpass enclosure.




* 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)