The Art and Science of Sound

DELTA-12A American Standard Series

Recommended for professional audio as a mid-bass or woofer (with high-pass filter) in vented enclosures.

**Specification**

- Nominal Basket Diameter: 12", 304.8mm
- Nominal Impedance*: 8 or 16 ohms
- Power Rating**: Watts: 400W, Music Program: 800W
- Resonance: 55Hz
- Usable Frequency Range***: 54Hz-5kHz
- Sensitivity: 98.3
- Magnet Weight: 56 oz
- Gap Height: 0.375", 9.53mm
- Voice Coil Diameter: 2.5", 63.5mm

**Thiele & Small Parameters**

- Resonant Frequency (fs): 55Hz
- DC Resistance (Re): 6.3
- Coil Inductance (Le): 0.74mH
- Mechanical Q (Qms): 5.27
- Electromagnetic Q (Qes): 0.46
- Total Q (Qts): 0.43
- Compliance Equivalent Volume (Vas): 81.3 ltr/2.9 cu. ft.
- Peak Diaphragm Displacement Volume (Vd): 125cc
- Mechanical Compliance of Suspension (Cms): 0.21mm/N
- BL Product (BL): 13.5 T-M
- Diaphragm Mass inc. Airload (Mms): 39 grams
- Efficiency Bandwidth Product (EBP): 120
- Maximum Linear Excursion (Xmax): 2.4mm
- Surface Area of Cone (Sd): 519.5cm²
- Maximum Mechanical Limit (Xlim): 9.9mm

**Mounting Information**

- Recommended Enclosure Volume: N/A
- Sealed: 25.5-85 ltr/0.9-3 cu. ft.
- Vented: 25.5-85 ltr/0.9-3 cu. ft.
- Overall Diameter: 12.03", 305.5mm
- Baffle Hole Diameter: 10.96", 279.1mm
- 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: 5.35", 136mm
- Net Weight: 11.4 lbs, 5.2 kg
- Shipping Weight: 13.5 lbs, 6.1 kg

**Materials of Construction**

- Coil Construction: Aluminum, Polyimide
- Magnet Composition: Ferrite
- Core Details: Vented
- Basket Materials: Pressed Steel
- Cone Composition: Paper
- Cone Edge Composition: Cloth
- Dust Cap Composition: Solid Composition Felt

* Please inquire about alternative impedances.
** Multiple units exceed published rating evaluated under EIA 426A noise source and test standard while in a free-air, nontemperature-controlled environment.
*** The average output across the usable frequency range when applying 1W/1m into the nominal impedance, i.e. 2.83 V/8 ohms, 4 V/16 ohms.

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 | 2 ft. X 2 ft. 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).