

Specification

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|---------------------------|----------------|
| Nominal Basket Diameter | 12", 304.8mm |
| Nominal Impedance* | 8 ohms |
| Power Rating** | |
| Watts | 500W |
| Music Program | 1000W |
| Resonance | 51Hz |
| Usable Frequency Range*** | 44Hz-3kHz |
| Sensitivity | 94.6 |
| Magnet Weight | 56 oz |
| Gap Height | 0.375", 9.53mm |
| Voice Coil Diameter | 2.5", 63.5mm |

Thiele & Small Parameters

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|---|----------------------|
| Resonant Frequency (fs) | 51Hz |
| DC Resistance (Re) | 6.06 |
| Coil Inductance (Le) | 1.45mH |
| Mechanical Q (Qms) | 7.28 |
| Electromagnetic Q (Qes) | 0.51 |
| Total Q (Qts) | 0.47 |
| Compliance Equivalent Volume (Vas) | 67.9 ltr/2.4 cu. ft. |
| Peak Diaphragm Displacement Volume (Vd) | 243cc |
| Mechanical Compliance of Suspension (Cms) | 0.19mm/N |
| BL Product (BL) | 14.1 T-M |
| Diaphragm Mass inc. Airlod (Mms) | 51 grams |
| Efficiency Bandwidth Product (EBP) | 100 |
| Maximum Linear Excursion (Xmax) | 4.8mm |
| Surface Area of Cone (Sd) | 506.7cm ² |
| Maximum Mechanical Limit (Xlim) | 13.5mm |

Mounting Information

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|------------------------------|------------------------------|
| Recommended Enclosure Volume | |
| Sealed | 19.8-28 ltr/0.7-1.0 cu. ft. |
| Vented | 25.5-102 ltr/0.9-3.6 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 | 5.35", 136mm |
| Net Weight | 11.8 lbs, 5.4 kg |
| Shipping Weight | 14 lbs, 6.4 kg |

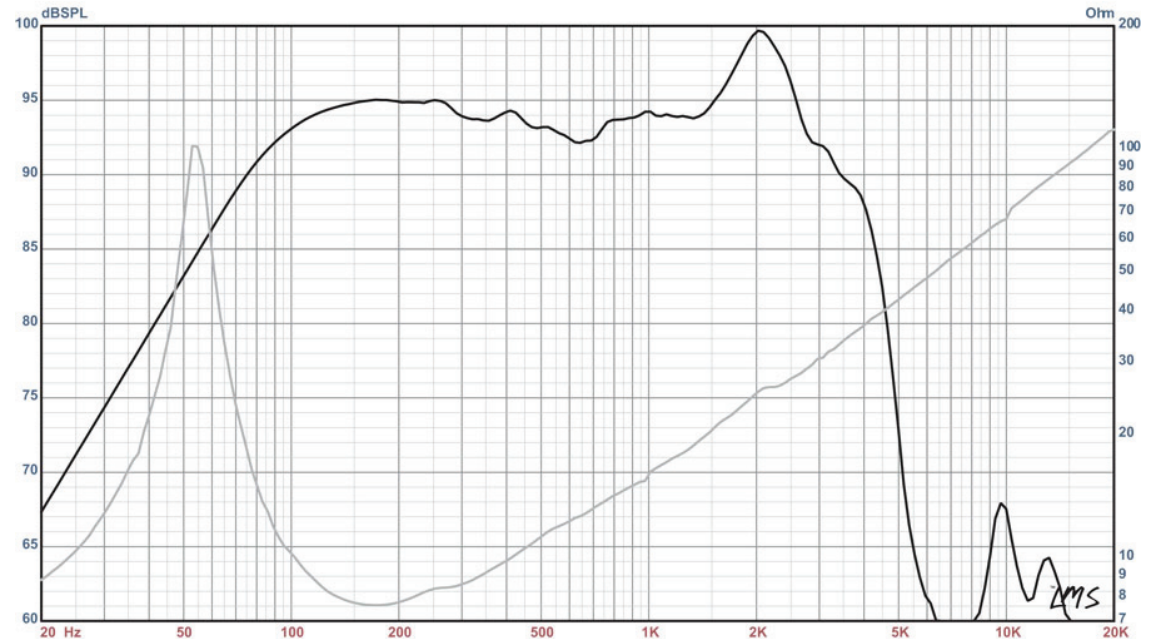
Materials of Construction

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|-----------------------|-------------------------|
| Coil Construction | Copper |
| Coil | Polyimide |
| Magnet Composition | Ferrite |
| Core Details | Vented And Extended |
| Basket Materials | Pressed Steel |
| Cone Composition | Paper |
| Cone Edge Composition | Cloth |
| Dust Cap Composition | Solid Composition Paper |



DELTA-12LFA American Standard Series

Recommended for professional audio mid-bass or floor monitor applications in a sealed enclosure.
Also suitable as a woofer in vented, bass guitar or PA 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, 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)