

## 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)                 | 519.5cm <sup>2</sup> |
| Maximum Mechanical Limit (Xlim)           | 9.9mm                |

## Mounting Information

|                              |                           |
|------------------------------|---------------------------|
| Recommended Enclosure Volume |                           |
| Sealed                       | N/A                       |
| Vented                       | 25.5-85 ltr/0.9-3 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                   | 11.4 lbs, 5.2 kg          |
| Shipping Weight              | 13.5 lbs, 6.1 kg          |

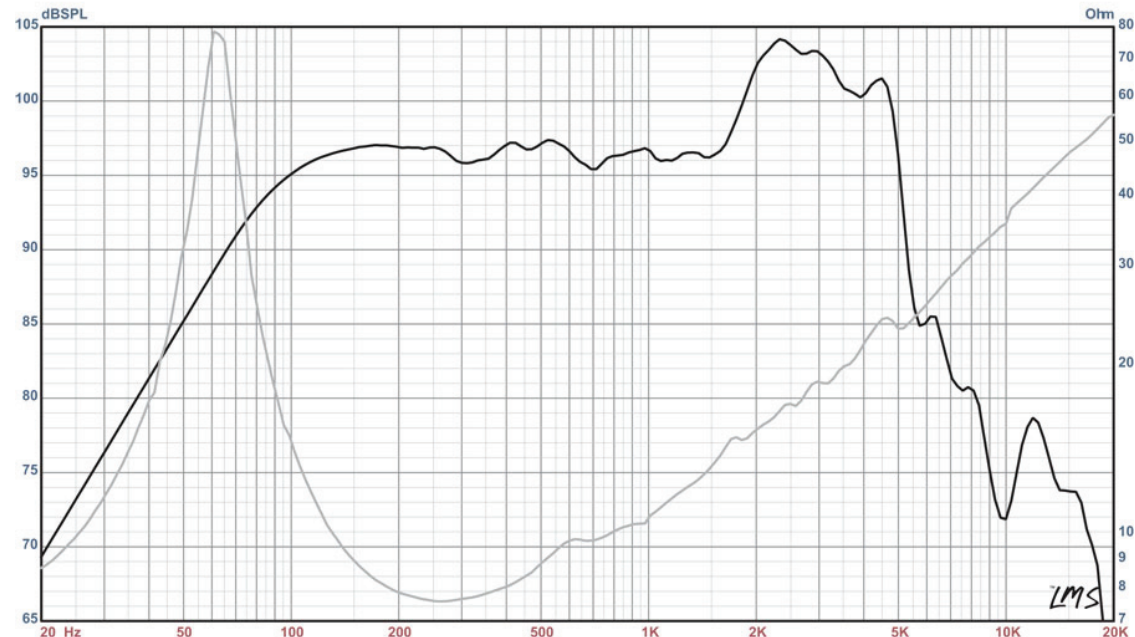
## Materials of Construction

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



## DELTA-12A American Standard Series

Recommended for professional audio as a mid-bass or woofer (with high-pass filter) 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, nontemperature-controlled environment.

\*\*\* The average output across the usable frequency range when applying 1W/1m into the nominal impedance. ie: 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)