

## Specification

|                           |                |
|---------------------------|----------------|
| Nominal Basket Diameter   | 12", 304.8mm   |
| Nominal Impedance*        | 16 ohms        |
| Power Rating**            |                |
| Watts                     | 75W            |
| Music Program             | 150W           |
| Resonance                 | 100Hz          |
| Usable Frequency Range*** | 70Hz-6kHz      |
| Sensitivity               | 103.5          |
| Magnet Weight             | 56 oz          |
| Gap Height                | 0.312", 7.92mm |
| Voice Coil Diameter       | 1.75", 44.5mm  |

## Thiele & Small Parameters

|   |                      |
|---|----------------------|
| Resonant Frequency (fs)                   | 100Hz                |
| DC Resistance (Re)                        | 13.20                |
| Coil Inductance (Le)                      | 0.64mH               |
| Mechanical Q (Qms)                        | 13.77                |
| Electromagnetic Q (Qes)                   | 0.66                 |
| Total Q (Qts)                             | 0.63                 |
| Compliance Equivalent Volume (Vas)        | 35.1 ltr/1.2 cu. ft. |
| Peak Diaphragm Displacement Volume (Vd)   | 42cc                 |
| Mechanical Compliance of Suspension (Cms) | 0.09mm/N             |
| BL Product (BL)                           | 18.6 T-M             |
| Diaphragm Mass inc. Airlod (Mms)          | 28 grams             |
| Efficiency Bandwidth Product (EBP)        | 151                  |
| Maximum Linear Excursion (Xmax)           | 0.8mm                |
| Surface Area of Cone (Sd)                 | 519.5cm <sup>2</sup> |
| Maximum Mechanical Limit (Xlim)           |                      |

## Mounting Information

|                              |                    |
|------------------------------|--------------------|
| Recommended Enclosure Volume |                    |
| Sealed                       | Acceptable         |
| Vented                       | N/A                |
| Overall Diameter             | 12.02", 305.3mm    |
| Baffle Hole Diameter         | 10.97", 278.6mm    |
| Front Sealing Gasket         | Fitted As Standard |
| Rear Sealing Gasket          | Fitted As Standard |
| Mounting Holes Diameter      | 0.25", 6.4mm       |
| Mounting Holes B.C.D.        | 11.63", 295.4mm    |
| Depth                        | 5.2", 132mm        |
| Net Weight                   | 10.8 lbs, 4.9 kg   |
| Shipping Weight              | 12.5 lbs, 5.7 kg   |

## Materials of Construction

|                       |               |
|-----------------------|---------------|
| Coil Construction     | Copper        |
| Coil                  | Nomex         |
| Magnet Composition    | Ferrite       |
| Core Details          | Non-Vented    |
| Basket Materials      | Pressed Steel |
| Cone Composition      | Paper         |
| Cone Edge Composition | Paper         |
| Dust Cap Composition  | Zurette       |



**EMINENCE**<sup>®</sup>  
The Art and Science of Sound

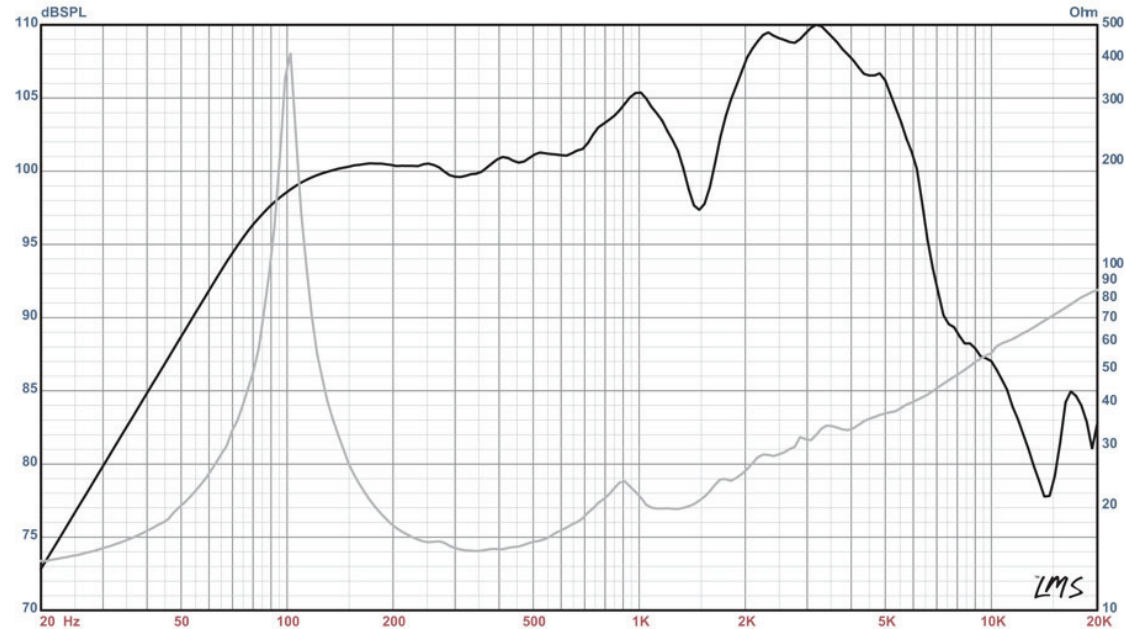
## THE WIZARD™ 16

**RED COAT™**

Aa 12" speaker with enchanting tonal characteristics borrowed from Private Jack and The Governor.

**Coloration:** Very articulate, but with a hint of grit. Nice sustain and exceptionally good tight bottom.  
Cross between Private Jack and The Governor.

**Genre:** Classic Rock tones of the 60's and 70's.



\* 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)