### **SPECIFICATION**

12", 305mm Nominal Basket Diameter Nominal Impedance\* 8 ohms Power Rating\*\* Watts 400W Music Program 800W Resonance 52Hz Usable Frequency Range\*\*\* 51Hz-3.50kHz Sensitivity 100.50 Magnet Weight 11 oz. Gap Height 0.36", 9.27mm Voice Coil Diameter 3", 76.20mm

#### THIELE & SMALL PARAMETERS

Resonant Frequency (fs) 51.50Hz DC Resistance (Re) 5.50 Coil Inductance (Le) 0.57mH Mechanical Q (Qms) 8.39 Electromagnetic Q (Qes) 0.33 0.32 Total Q (Qts) Compliance Equivalent Volume (Vas) 81.10 liters / 2.86 cu.ft. Peak Diaphragm Displacement Volume (Vd) 330.00cc Mechanical Compliance of Suspension (Cms) 0.20mm/N BL Product (BL) 15.90 T-M Diaphragm Mass inc. Airload (Mms) 46.90 grams Efficiency Bandwidth Product (EBP) 157.40 Maximum Linear Excursion (Xmax) 6.20mm Surface Area of Cone (Sd) 532.40 cm2 Maximum Mechanical Limit (Xlim) 12.50mm

## **MOUNTING INFORMATION**

Recommended Enclosure Volume

Sealed 28.00-76.00 liters/1.00-2.70cu.ft. Vented 41.00-110.00 liters/1.50-3.90 cu.ft. **Overall Diameter** 12.38", 314.45mm Baffle Hole Diameter 11.06". 280.90mm Front Sealing Gasket Fitted as standard Rear Sealing Gasket Fitted as standard Mounting Holes Diameter 0.28", 7.10mm Mounting Holes B.C.D. 11.62", 295.20mm Depth 5.63". 143mm Net Weight 7.10 lbs., 3.22 kg Shipping Weight 8.70 lbs., 3.95 kg

## MATERIALS OF CONSTRUCTION

Aluminum voice coil

Kapton

Neodymium magnet

Vented core

Die-cast aluminum basket

Treated Paper Cone

Sealed Cloth Surround

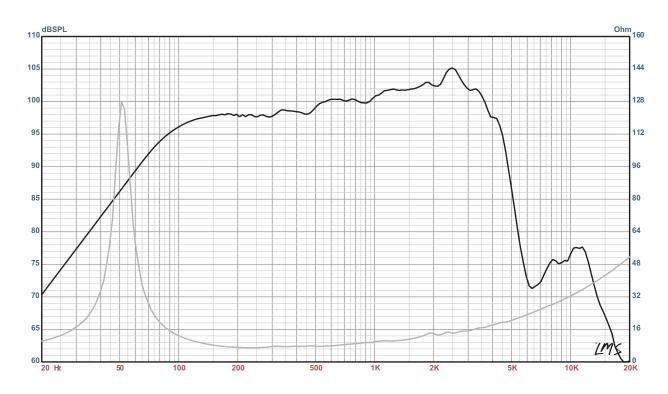
Treated paper dust cap





# KAPPALITE™ 3012HO NEODYMIUM SERIES

Recommended for vented professional audio enclosures for full-range or as mids.



- \* 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/80hms, 4V/160hms.

  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)