

## Specification

Nominal Basket Diameter	12", 304.8mm
Nominal Impedance*	8 ohms
Power Rating**	450W
Resonance	45Hz
Usable Frequency Range***	62Hz-4.2kHz
Sensitivity	99.3
Magnet Weight	80 oz.
Gap Height	0.375", 9.53mm
Voice Coil Diameter	3", 76.2mm

## Thiele & Small Parameters

Resonant Frequency (fs)	45Hz
DC Resistance (Re)	5.41
Coil Inductance (Le)	0.77mH
Mechanical Q (Qms)	7.76
Electromagnetic Q (Qes)	0.28
Total Q (Qts)	0.27
Compliance Equivalent Volume (Vas)	112.1 liters / 4.0 cu. ft.
Peak Diaphragm Displacement Volume (Vd)	166cc
Mechanical Compliance of Suspension (Cms)	0.30mm/N
BL Product (BL)	15.2 T-M
Diaphragm Mass inc. Airload (Mms)	42 grams
Efficiency Bandwidth Product (EBP)	161
Maximum Linear Excursion (Xmax)	3.2mm
Surface Area of Cone (Sd)	519.5 cm <sup>2</sup>
Maximum Mechanical Limit (Xlim)	11.5mm

## Mounting Information

Recommended Enclosure Volume	34-62 liters/1.2-2.2 cu. ft.
Vented	
Overall Diameter	12.26", 311.4mm
Baffle Hole Diameter	11.0", 279.5mm
Front Sealing Gasket	fitted as standard
Rear Sealing Gasket	fitted as standard
Mounting Holes Diameter	0.25", 6.4mm
Mounting Holes B.C.D.	11.71", 297.5mm
Depth	5.63", 143mm
Net Weight	14.9 lbs., 6.8 kg
Shipping Weight	17.9 lbs., 8.2 kg

## Materials of Construction

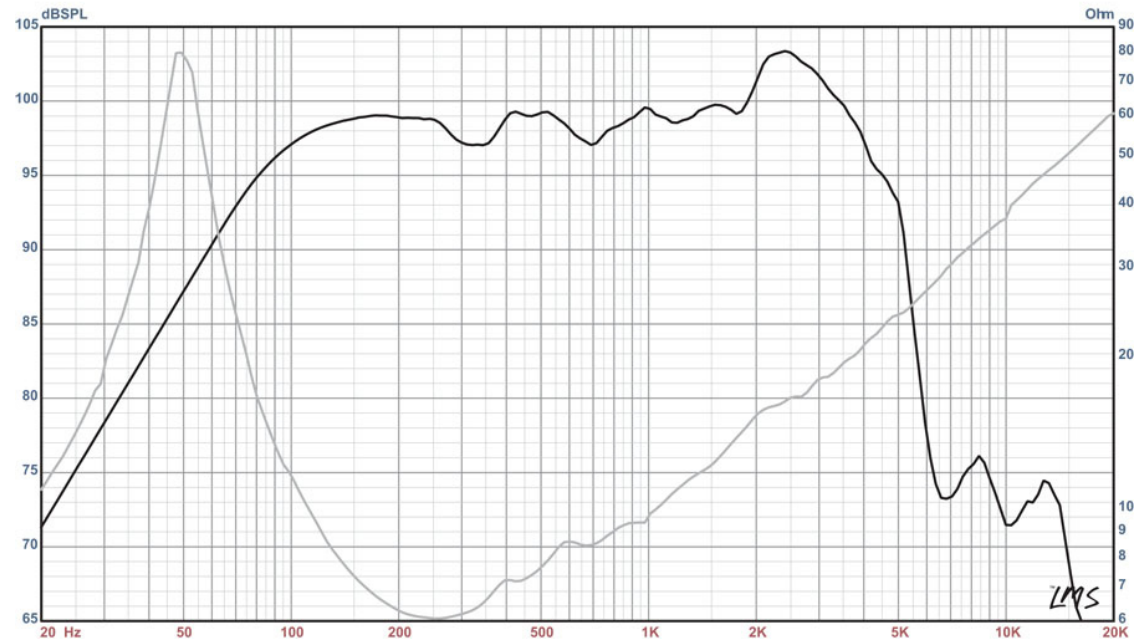
Aluminum voice coil  
 Polyimide former  
 Ferrite magnet  
 Vented core  
 Pressed steel basket  
 Paper Cone  
 Cloth cone edge  
 Solid composition paper dust cap

  
**EMINENCE®**  
 The Art and Science of Sound



## KAPPA-12A American Standard Series

Recommended for professional audio as a mid/hi or full range in a vented enclosure.



\* 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/8ohms, 4V/16ohms.

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)