

## SPECIFICATION

Nominal Basket Diameter	12", 304.80mm
Nominal Impedance*	4 ohms
Power Rating**	
Watts	500W
Music Program	1000W
Resonance	22.85Hz
Usable Frequency Range***	25Hz-0.12kHz
Sensitivity	88.90
Magnet Weight	160 oz.
Gap Height	0.37", 9.53mm
Voice Coil Diameter	2.50", 63.50mm

## THIELE & SMALL PARAMETERS

Resonant Frequency (fs)	22.85Hz
DC Resistance (Re)	3.11
Coil Inductance (Le)	1.09mH
Mechanical Q (Qms)	11.70
Electromagnetic Q (Qes)	0.34
Total Q (Qts)	0.33
Compliance Equivalent Volume (Vas)	128.31 liters / 4.53 cu.ft.
Peak Diaphragm Displacement Volume (Vd)	659.00cc
Mechanical Compliance of Suspension (Cms)	0.36mm/N
BL Product (BL)	13.36 T-M
Diaphragm Mass inc. Airlod (Mms)	135.63 grams
Efficiency Bandwidth Product (EBP)	67.29
Maximum Linear Excursion (Xmax)	13mm
Surface Area of Cone (Sd)	506.70 cm2
Maximum Mechanical Limit (Xlim)	22mm

## MOUNTING INFORMATION

Recommended Enclosure Volume	
Sealed	28.32-118.93 liters/0.80-1.00cu.ft.
Vented	39.64-141.59 liters/1.40-5.00 cu.ft.
Overall Diameter	12.32", 312.93mm
Baffle Hole Diameter	10.98", 278.90mm
Front Sealing Gasket	Fitted as standard
Rear Sealing Gasket	Fitted as standard
Mounting Holes Diameter	0.26", 6.60mm
Mounting Holes B.C.D.	11.77", 299mm
Depth	6.44", 164mm
Net Weight	22.00 lbs., 10 kg
Shipping Weight	23.80 lbs., 10.80 kg

## MATERIALS OF CONSTRUCTION

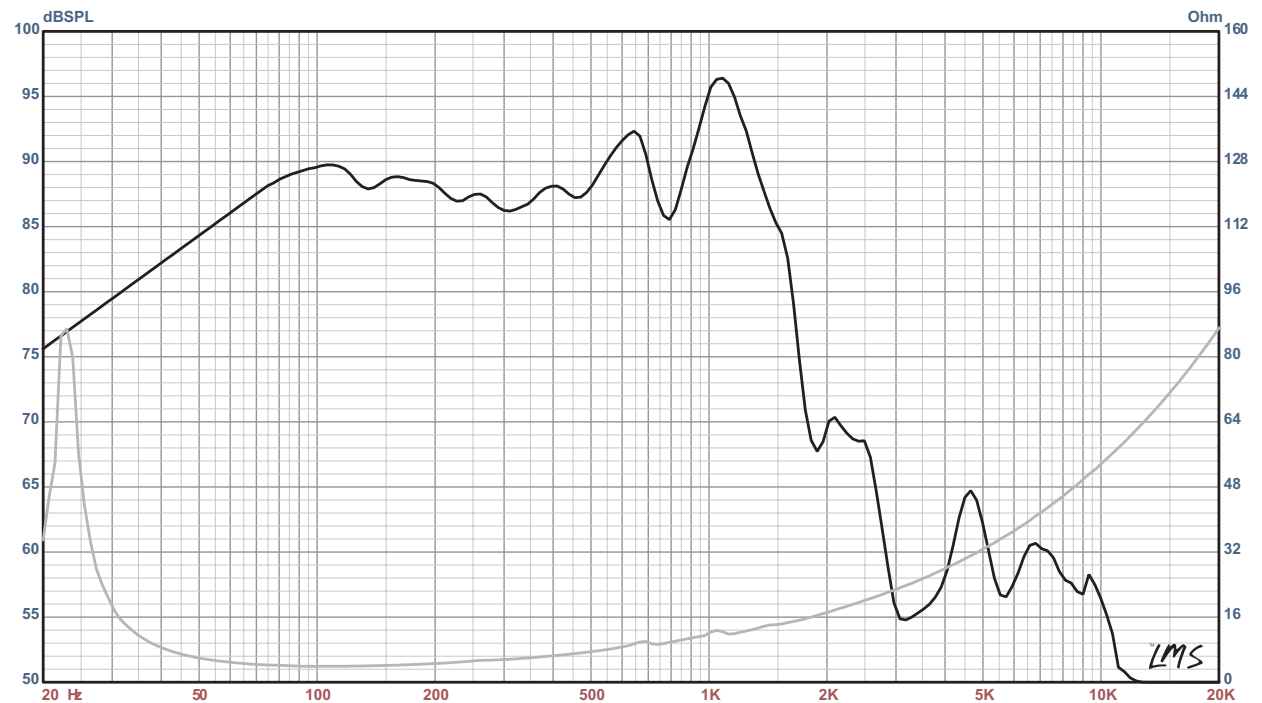
Copper voice coil  
Polyimide former  
Double stacked 80 oz. ferrite magnets  
Vented and extended core  
12-spoke die-cast aluminum basket  
Kevlar-reinforced paper cone  
Foam cone edge  
Dual inverted dust caps



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

## LAB12C PROFESSIONAL SERIES

Recommended for vented, sealed, and horn loaded, professional audio enclosures as a subwoofer. Also great as an automotive sub.



\* 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)