

## Specification

Nominal Basket Diameter	12", 304.8mm
Nominal Impedance*	8 ohms
Power Rating**	
Watts	600W
Music Program	1200W
Resonance	46Hz
Usable Frequency Range***	49Hz-2.5kHz
Sensitivity	94
Magnet Weight	109 oz.
Gap Height	0.375", 9.53mm
Voice Coil Diameter	4", 101.6mm

## Thiele & Small Parameters

Resonant Frequency (fs)	46Hz
DC Resistance (Re)	5.85
Coil Inductance (Le)	1.17mH
Mechanical Q (Qms)	5.74
Electromagnetic Q (Qes)	0.38
Total Q (Qts)	0.35
Compliance Equivalent Volume (Vas)	2.1 liters / 59.4 cu. ft.
Peak Diaphragm Displacement Volume (Vd)	342cc
Mechanical Compliance of Suspension (Cms)	0.14mm/N
BL Product (BL)	19.6 T-M
Diaphragm Mass inc. Airlod (Mms)	86 grams
Efficiency Bandwidth Product (EBP)	121
Maximum Linear Excursion (Xmax)	6.2mm
Surface Area of Cone (Sd)	552.0 cm <sup>2</sup>
Maximum Mechanical Limit (Xlim)	11.2mm

## Mounting Information

Recommended Enclosure Volume	
Sealed	26-31 liters/ 0.9-1.1 cu.ft.
Vented	36-79 liters/ 1.3-2.8 cu.ft.
Overall Diameter	12.38", 314.3mm
Baffle Hole Diameter	11.06", 281mm
Front Sealing Gasket	fitted as standard
Rear Sealing Gasket	fitted as standard
Mounting Holes Diameter	0.28", 7mm
Mounting Holes B.C.D.	11.59", 294.3mm
Depth	5.32", 135mm
Net Weight	22.5 lbs., 10.2 kg
Shipping Weight	29 lbs., 13.1 kg

## Materials of Construction

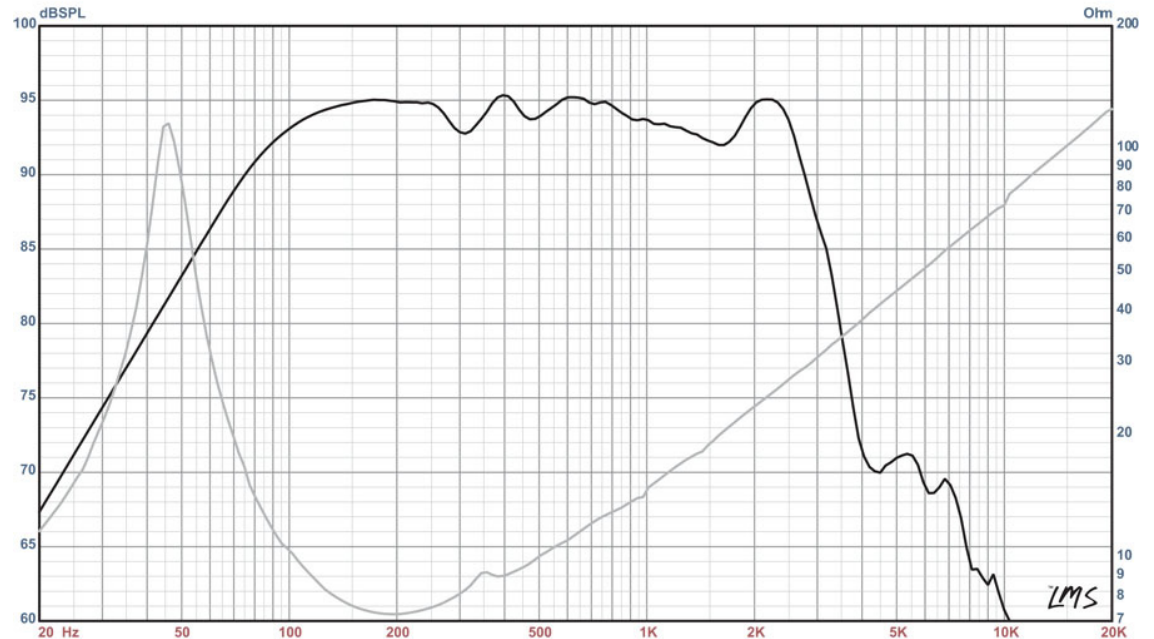
Copper voice coil  
Polyimide former  
Ferrite magnet  
Undercut with copper shorting ring and Core Periphery Ventilation  
Die-cast aluminum basket  
Acrylic Wetlook Paper Cone  
Cloth cone edge  
Acrylic wetlook paper pop-on dust cap

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



## DEFINIMAX™ 4012HO Professional Series

Recommended for professional audio in both sealed and vented enclosures as a low distortion mid-bass or woofer.



\* 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)