

## SPECIFICATION

Nominal Basket Diameter	12", 304.8 mm
Nominal Impedance*	8 ohm
Power Rating**	
Watts	1100 W
Music Program	2200 W
Resonance	42.75 Hz
Usable Frequency Range***	56 Hz - 3 kHz
Sensitivity	93 dB
Magnet Weight	109 oz.
Gap Height	0.50", 12.7 mm
Voice Coil Diameter	4", 101.6 mm

## THIELE & SMALL PARAMETERS

Resonant Frequency	(fs) 42.75Hz
DC Resistance	(Re) 5.58
Coil Inductance	(Le) 1.46mH
Mechanical Q	(Qms) 13.84
Electromagnetic Q	(Qes) 0.33
Total Q	(Qts) 0.32
Compliance Equivalent Volume	(Vas) 70.2 liters/2.48 cu.ft.
Peak Diaphragm Displacement Volume	(Vd) 339.40cc
Mechanical Compliance of Suspension	(Cms) 0.17mm/N
BL Product	(BL) 19.49 T-M
Diaphragm Mass inc. Airload	(Mms) 83.47 grams
Efficiency Bandwidth Product	(EBP) 129.81
Maximum Linear Excursion	(Xmax) 6.22mm
Surface Area of Cone	(Sd) 545.4 cm <sup>2</sup>
Maximum Mechanical Limit	(Xlim) 12.5mm

## MOUNTING INFORMATION

Recommended Enclosure Volume	N/A
Sealed	
Vented	33.98-118.93 liters/1.2-4.2 cu.ft.
Driver Volume Displaced	184.8 cu.in. / 3 liters
Overall Diameter	12.38" / 314.45mm
Baffle Hole Diameter	11.06" / 280.92mm
Front Sealing Gasket	Fitted as standard
Rear Sealing Gasket	Fitted as standard
Mounting Holes Diameter	0.27" / 6.98mm
Mounting Holes B.C.D.	11.69" / 296.93mm
Depth	6.13" / 155.7mm
Net Weight	24.2 lbs. / 10.98 kg
Shipping Weight	26.6 lbs. / 11.79 kg

## MATERIALS OF CONSTRUCTION

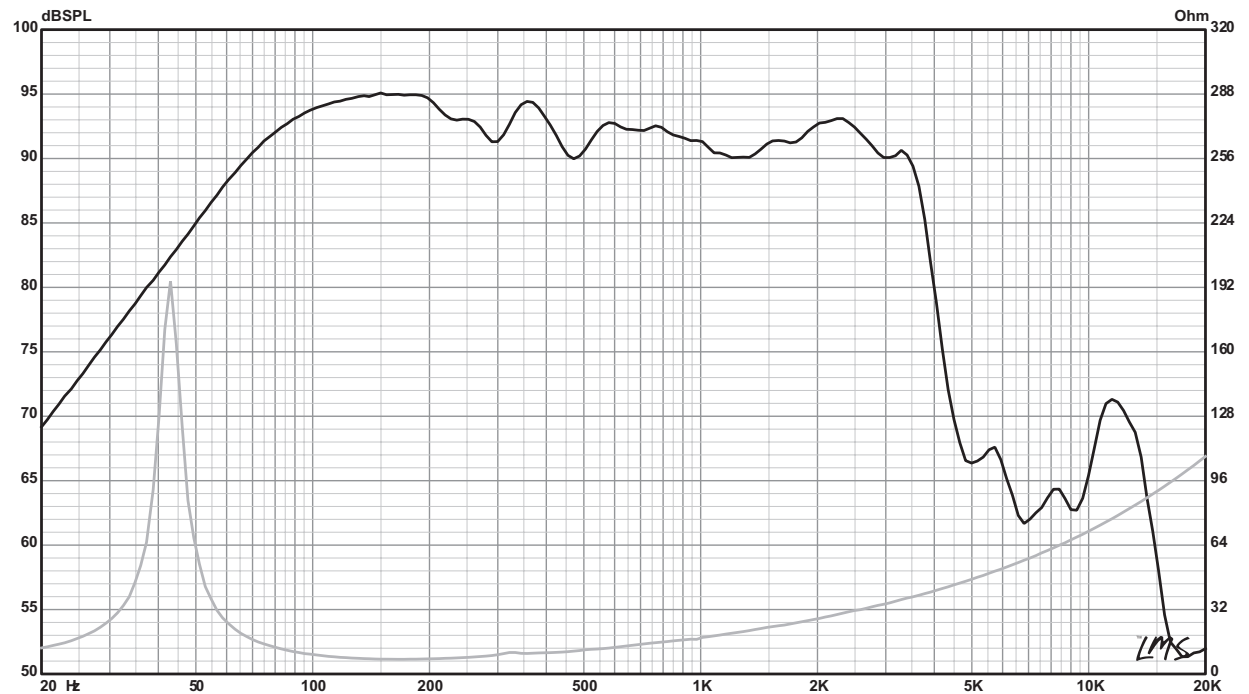
Copper voice coil  
 Fiberglass former  
 Ferrite magnet  
 Bumped vented extended core  
 Die-cast aluminum basket  
 Water resistant treated paper cones  
 Treated cloth cone edge  
 Water resistant treated paper dust cap



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

## IMPERO™ 12A PROFESSIONAL SERIES

High power driver recommended for pro audio in vented enclosures. Ideal for two-way top boxes, full-range two-way boxes, bass guitar boxes, and small subwoofers.



\* 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)