

## SPECIFICATION

Nominal Basket Diameter	15", 381 mm
Nominal Impedance*	8 ohm
Power Rating**	
Watts	1200 W
Music Program	2400 W
Resonance	42.97 Hz
Usable Frequency Range***	46 Hz - 2 kHz
Sensitivity	95.6 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) 42.97Hz
DC Resistance	(Re) 5.42
Coil Inductance	(Le) 1.47mH
Mechanical Q	(Qms) 15.33
Electromagnetic Q	(Qes) 0.40
Total Q	(Qts) 0.39
Compliance Equivalent Volume	(Vas) 142.51 liters/5.03 cu.ft.
Peak Diaphragm Displacement Volume	(Vd) 625.10cc
Mechanical Compliance of Suspension	(Cms) 0.14mm/N
BL Product	(BL) 19.18 T-M
Diaphragm Mass inc. Airload	(Mms) 100.57 grams
Efficiency Bandwidth Product	(EBP) 107.37
Maximum Linear Excursion	(Xmax) 7.3mm
Surface Area of Cone	(Sd) 856.3 cm <sup>2</sup>
Maximum Mechanical Limit	(Xlim) 15.4mm

## MOUNTING INFORMATION

Recommended Enclosure Volume	
Sealed	N/A
Vented	53.8-184.06 liters/1.9-6.5 cu.ft.
Driver Volume Displaced	268.49 cu.in. / 4.4 liters
Overall Diameter	15.22" / 386.59mm
Baffle Hole Diameter	13.99" / 355.35mm
Front Sealing Gasket	Fitted as Standard
Rear Sealing Gasket	Fitted as Standard
Mounting Holes Diameter	0.28" / 7.23mm
Mounting Holes B.C.D.	14.56" / 369.87mm
Depth	6.56" / 166.62mm
Net Weight	24.8 lbs. / 11.25 kg
Shipping Weight	27.5 lbs. / 12.34 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



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## IMPERO™ 15A 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. 1e: 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)