SPECIFICATION

Nominal Basket Diameter 18" 457 2 mm Nominal Impedance* 4 ohm Power Rating** Watts 1200 W Music Program 2400 W 31 48 Hz Resonance Usable Frequency Range*** 36 Hz - 820 Hz Sensitivity 94.5 dB 109 07 Magnet Weight Gap Height 0.50". 12.7 mm Voice Coil Diameter 4". 101.6 mm

THIELE & SMALL PARAMETERS

Resonant Frequency (fs) 31.48Hz (Re) 3.13 DC Resistance (Le) 1.09mH Coil Inductance Mechanical Q (Qms) 10.13 (Qes) 0.35 Electromagnetic Q (Qts) 0.34 Total Q Compliance Equivalent Volume (Vas) 317.02 liters / 11.19 cu.ft. (Vd) 942.73cc Peak Diaphragm Displacement Volume Mechanical Compliance of Suspension (Cms) 0.17mm/N **BL Product** (BL) 16.10 T-M Diaphragm Mass inc. Airload (Mms) 147.56 grams Efficiency Bandwidth Product (EBP) 89.48 Maximum Linear Excursion (Xmax) 8.13mm Surface Area of Cone (Sd) 1159.00 cm2 Maximum Mechanical Limit (Xlim) 20.17mm

MOUNTING INFORMATION

Recommended Enclosure Volume

Sealed N/A Vented 118.93-339.80 liters/4.20-12.00 cu.ft. Driver Volume Displaced 409.60 cu.in. / 6.70 liters Overall Diameter 18.00" / 457.20mm 16.56" / 420.62mm Baffle Hole Diameter Front Sealing Gasket Fitted as standard Rear Sealing Gasket Fitted as standard Mounting Holes Diameter 0.29" / 7.36mm Mounting Holes B.C.D. 17.25" / 438.10mm Depth 8.31" / 211.07mm Net Weight 27.30 lbs / 12.38 kg Shipping Weight 30.80 lbs / 13.97 kg

MATERIALS OF CONSTRUCTION

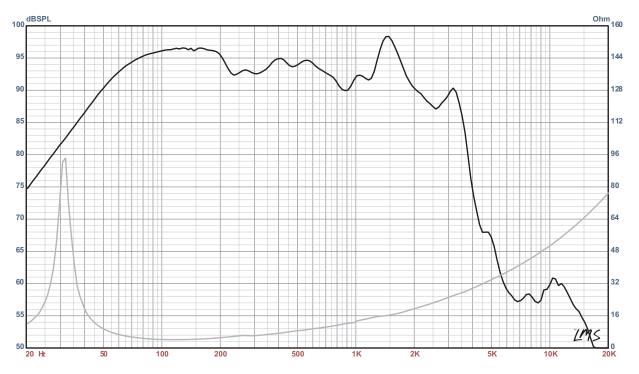
Copper voice coil
Fiberglass
Ferrite magnet
Bumped vented extended core
Die-cast aluminum basket
Water resistant treated paper cones
Treated cloth cone edge
Water resistant treated paper dust cap





IMPERO™ 18C PROFESSIONAL SERIES

High power driver recommended for pro audio in vented enclosures. Suited for full-range three-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)