

## SPECIFICATION

|                           |                |
|---------------------------|----------------|
| Nominal Basket Diameter   | 18", 457.2 mm  |
| Nominal Impedance*        | 4 ohm          |
| Power Rating**            |                |
| Watts                     | 1200 W         |
| Music Program             | 2400 W         |
| Resonance                 | 31.48 Hz       |
| Usable Frequency Range*** | 36 Hz - 820 Hz |
| Sensitivity               | 94.5 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) 31.48Hz                       |
| DC Resistance                       | (Re) 3.13                          |
| Coil Inductance                     | (Le) 1.09mH                        |
| Mechanical Q                        | (Qms) 10.13                        |
| Electromagnetic Q                   | (Qes) 0.35                         |
| Total Q                             | (Qts) 0.34                         |
| Compliance Equivalent Volume        | (Vas) 317.02 liters / 11.19 cu.ft. |
| Peak Diaphragm Displacement Volume  | (Vd) 942.73cc                      |
| 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                      |
| Baffle Hole Diameter         | 16.56" / 420.62mm                      |
| 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

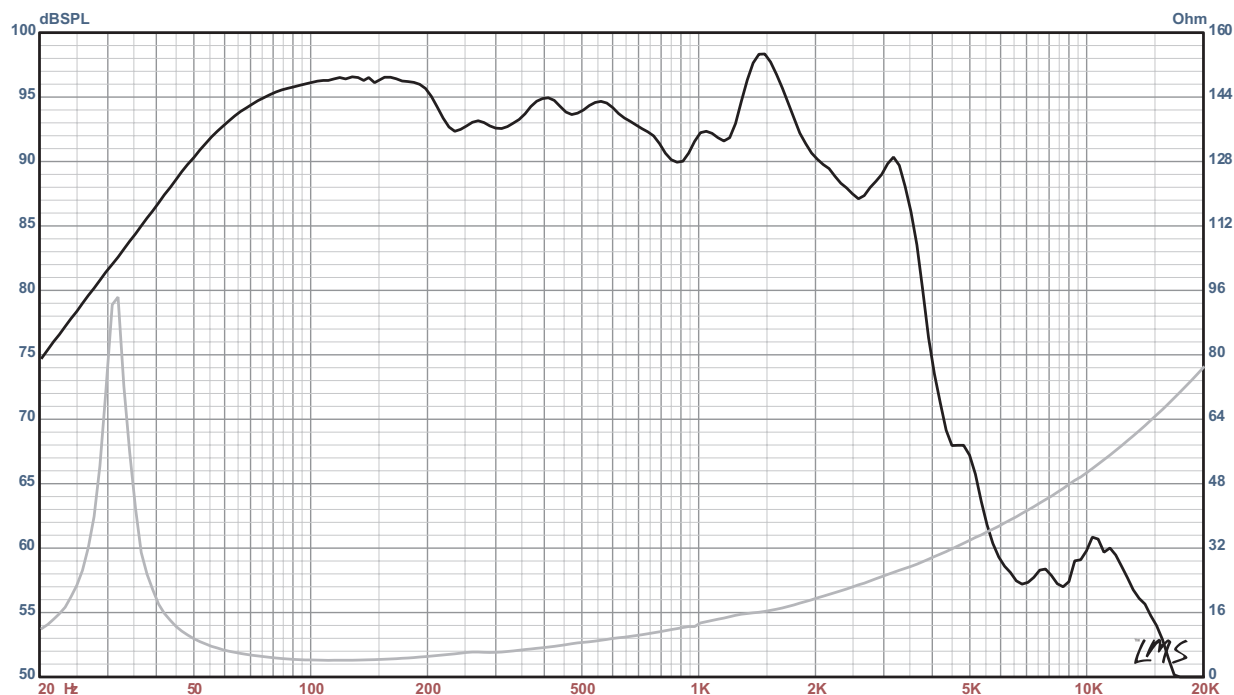
Copper voice coil  
 Fiberglass  
 Ferrite magnet  
 Bumped vented extended core  
 Die-cast aluminum basket  
 Water resistant treated paper cones  
 Treated cloth cone edge  
 Water resistant treated paper dust cap



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

## 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. I.e: 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)