

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 cm ²
Maximum Mechanical Limit	(Xlim) 20.17mm

MOUNTING INFORMATION

Recommended Enclosure Volume	N/A
Sealed	
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




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 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. 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)