

Specification

Nominal Basket Diameter	12", 304.8mm
Nominal Impedance*	8 ohms
Power Rating**	
Watts	150W
Music Program	N/A
Resonance	31Hz
Usable Frequency Range***	40Hz-3.5kHz
Sensitivity	94.7
Magnet Weight	4 oz
Gap Height	0.28", 7.2mm
Voice Coil Diameter	2", 50.8mm

Thiele & Small Parameters

Resonant Frequency (fs)	31Hz
DC Resistance (Re)	7.03
Coil Inductance (Le)	0.59mH
Mechanical Q (Qms)	12.92
Electromagnetic Q (Qes)	0.54
Total Q (Qts)	0.52
Compliance Equivalent Volume (Vas)	177 ltr/6.25 cu. ft.
Peak Diaphragm Displacement Volume (Vd)	203cc
Mechanical Compliance of Suspension (Cms)	0.46mm/N
BL Product (BL)	12.1 T-M
Diaphragm Mass inc. Airload (Mms)	57 grams
Efficiency Bandwidth Product (EBP)	57
Maximum Linear Excursion (Xmax)	3.9mm
Surface Area of Cone (Sd)	519.5cm ²
Maximum Mechanical Limit (Xlim)	8.0mm

Mounting Information

Recommended Enclosure Volume	
Sealed	28-50 ltr/1-1.75 cu. ft.
Vented	59.5-85 ltr/2.1-3 cu. ft.
Overall Diameter	12.26", 311.4mm
Baffle Hole Diameter	11", 279.5mm
Front Sealing Gasket	Fitted as Standard
Rear Sealing Gasket	Fitted as Standard
Mounting Holes Diameter	0.25", 6.4mm
Mounting Holes B.C.D.	11.71", 297.5mm
Depth	5.1", 130mm
Net Weight	4.3 lbs, 2 kg
Shipping Weight	6 lbs, 2.7 kg

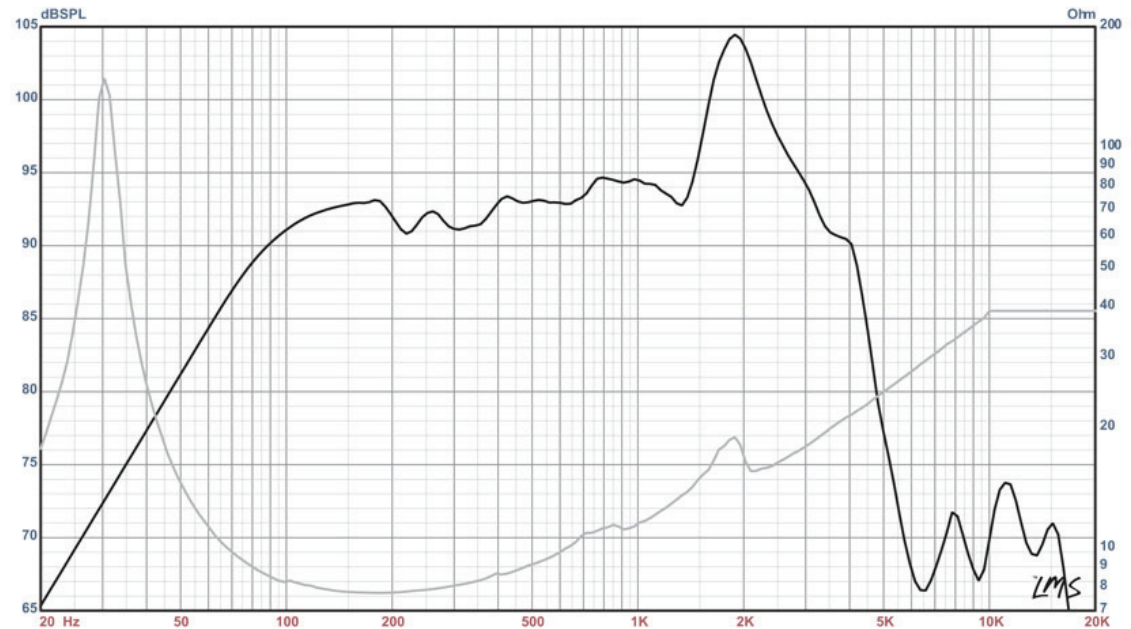
Materials of Construction

Coil Construction	Copper
Coil	Polyimide
Magnet Composition	Neodymium
Core Details	Non-Vented
Basket Materials	Pressed Steel
Cone Composition	Polypropylene
Cone Edge Composition	Santoprene
Dust Cap Composition	Solid Composition Felt



ACOUSTINATOR™ N2012

Recommended for acoustic instrument applications in both sealed and vented enclosures where a lightweight speaker would be beneficial.



* Please inquire about alternative impedances.

** Multiple units exceed published rating evaluated under EIA 426A noise source and test standard while in a free-air, nontemperature-controlled environment.

*** The average output across the usable frequency range when applying 1W/1m into the nominal impedance. I.e: 2.83 V/8 ohms, 4 V/16 ohms.

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 | 2 ft. X 2 ft. 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)