

Specification

Nominal Basket Diameter	12", 304.8mm
Nominal Impedance*	6 ohms
Power Rating**	
Watts	400W
Music Program	800W
Resonance	22Hz
Usable Frequency Range***	25Hz-125Hz
Sensitivity	89.2
Magnet Weight	160 oz.
Gap Height	0.375", 9.53mm
Voice Coil Diameter	2.5", 63.5mm

Thiele & Small Parameters

Resonant Frequency (fs)	22Hz
DC Resistance (Re)	4.29
Coil Inductance (Le)	1.48mH
Mechanical Q (Qms)	13.32
Electromagnetic Q (Qes)	0.39
Total Q (Qts)	0.38
Compliance Equivalent Volume (Vas)	125.2 liters / 4.4 cu. ft.
Peak Diaphragm Displacement Volume (Vd)	659cc
Mechanical Compliance of Suspension (Cms)	0.35mm/N
BL Product (BL)	15.0 T-M
Diaphragm Mass inc. Airlod (Mms)	146 grams
Efficiency Bandwidth Product (EBP)	56
Maximum Linear Excursion (Xmax)	13.0mm
Surface Area of Cone (Sd)	506.7 cm ²
Maximum Mechanical Limit (Xlim)	22mm

Mounting Information

Recommended Enclosure Volume	
Sealed	22.7-28.3 liters/ 0.8-1 cu.ft.
Vented	45.3-101.9 liters/1.6-3.6 cu.ft.
Overall Diameter	12.32", 312.8mm
Baffle Hole Diameter	10.98", 278.9mm
Front Sealing Gasket	fitted as standard
Rear Sealing Gasket	fitted as standard
Mounting Holes Diameter	0.26", 6.6mm
Mounting Holes B.C.D.	11.77", 299mm
Depth	6.44", 164mm
Net Weight	22 lbs., 10 kg
Shipping Weight	23.8 lbs., 10.8 kg

Materials of Construction

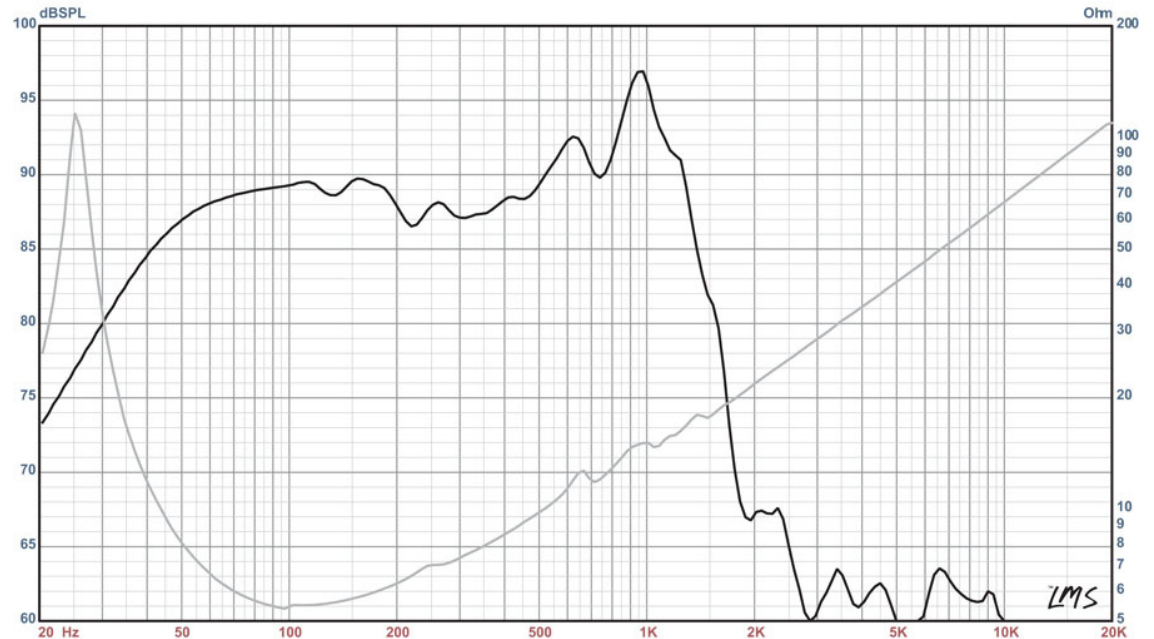
Copper voice coil
 Polyimide former
 Double stacked 80 oz. ferrite magnets
 Vented and extended core
 12-spoke die-cast aluminum basket
 Kevlar-reinforced paper cone
 Foam cone edge
 Dual inverted dust caps


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LAB12 Professional Series

Recommended for vented, sealed, and horn loaded, professional audio enclosures as a subwoofer. Also great as an automotive sub.



* 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)