

Specification

Nominal Basket Diameter	12", 304.8mm
Nominal Impedance*	8 ohms
Power Rating**	500W
Resonance	51Hz
Usable Frequency Range***	44Hz-3kHz
Sensitivity	94.6
Magnet Weight	56 oz.
Gap Height	0.375", 9.53mm
Voice Coil Diameter	2.5", 63.5mm

Thiele & Small Parameters

Resonant Frequency (fs)	51Hz
DC Resistance (Re)	6.06
Coil Inductance (Le)	1.45mH
Mechanical Q (Qms)	7.28
Electromagnetic Q (Qes)	0.51
Total Q (Qts)	0.47
Compliance Equivalent Volume (Vas)	67.9 liters / 2.4 cu. ft.
Peak Diaphragm Displacement Volume (Vd)	243cc
Mechanical Compliance of Suspension (Cms)	0.19mm/N
BL Product (BL)	14.1 T-M
Diaphragm Mass inc. Airload (Mms)	51 grams
Efficiency Bandwidth Product (EBP)	100
Maximum Linear Excursion (Xmax)	4.8mm
Surface Area of Cone (Sd)	506.7 cm ²
Maximum Mechanical Limit (Xlim)	13.5mm

Mounting Information

Recommended Enclosure Volume	
Sealed	19.8-28 liters/0.7-1.0 cu.ft.
Vented	25.5-102 liters/0.9-3.6 cu.ft.
Overall Diameter	12.03", 305.5mm
Baffle Hole Diameter	10.95", 278.1mm
Front Sealing Gasket	fitted as standard
Rear Sealing Gasket	fitted as standard
Mounting Holes Diameter	0.25", 6.4mm
Mounting Holes B.C.D.	11.59", 294.3mm
Depth	5.35", 136mm
Net Weight	11.8 lbs., 5.4 kg
Shipping Weight	14 lbs., 6.4 kg

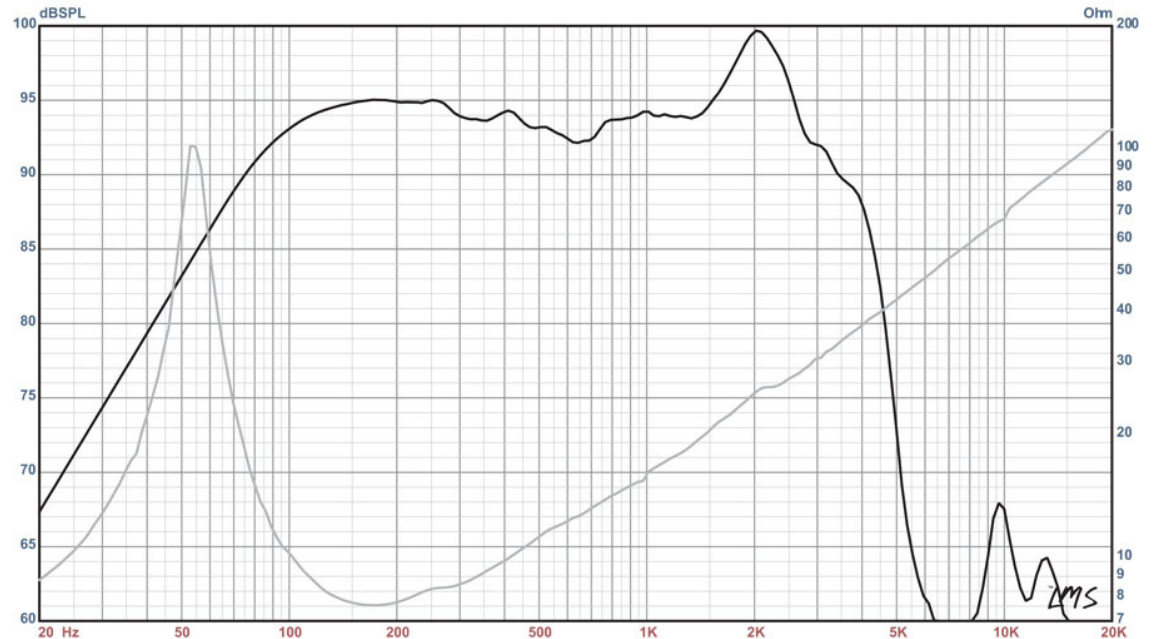
Materials of Construction

Copper voice coil
 Polyimide former
 Ferrite magnet
 Vented and extended core
 Pressed steel basket
 Paper Cone
 Cloth cone edge
 Solid composition paper dust cap



DELTA-12LFA American Standard Series

Recommended for professional audio mid-bass or floor monitor applications in a sealed enclosure. Also suitable as a woofer in vented, bass guitar or PA enclosures.



* 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)