

## DELTA 12LF

Nominal Basket Diameter	12", 304.8mm
Impedance	8 ohms
Power Rating	500Wrms
Resonance	51Hz
Usable Frequency Range	45Hz - 3kHz
Sensitivity	<a href="#">see chart on web</a>
Magnet Weight	56oz.
Gap Height	0.375", 9.52mm
Voice Coil Diameter	2.5", 63.5mm

### Mounting Information

Recommended Enclosure Volume (vented)	85 - 142 liters 3 - 5 cu. ft.
Overall Diameter	12.02", 305.2mm
Baffle Hole Diameter	11.05", 280.7mm
Front Sealing Gasket	<i>fitted as standard</i>
Rear Sealing Gasket	<i>fitted as standard</i>
Mounting Holes Diameter	0.25", 6.4mm
Mounting Holes B.C.D.	11.63", 295.3mm
Depth	5.35", 136mm
Shipping Weight	13.6lbs., 6.2 kg.

### Thiele-Small Parameters

Resonant Frequency (fs)	51Hz
Impedance (Re)	6.06 ohms
Coil Inductance (Le)	1.45mH
Electromagnetic Q (Qes)	0.51
Mechanical Q (Qms)	7.28
Total Q (Qts)	0.47
Compliance Equivalent Volume (Vas)	67.88 liters 2.4 cu. ft.
Peak Diaphragm Displacement Volume (Vd)	241cc
Mechanical Compliance of Suspension (Cms)	0.19mm/N
BL Product (BL)	14.1 T-M
Diaphragm Mass inc. Airload (Mms)	51 grams
Equiv. Resistance of Mechanical Suspension Loss (Rms)	2.27N*sec/M
Efficiency Bandwidth Product (EBP)	101
Voice Coil Overhang (Xmax)	4.8mm
Surface Area of Cone (Sd)	506.7cm <sup>2</sup>
Impedance at Resonance (Zmax)	93 ohms
Maximum Linear Excursion (Xmech)	26.92mm



### Application Notes

Eminence LF models are specially designed with extended Xmax to deliver more bass than standard models and provide 'a true woofer' for three-way applications. Designed for high power bass in sound reinforcement systems, bass guitar combos, club system applications, and stage monitors.

### Materials of Construction

- Kapton coil former for increased rigidity and thermal protection
- Polyamide-imide coated two-layer, 29ga., copper voice coil for improved power handling and durability
- Ferrite Magnet
- Vented and extended core for increased power handling
- Premium pressed steel basket for maximum strength
- Paper cone
- Rolled cloth cone edge with deep corrugations for extended Xmax
- Solid composition paper dust cap

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