

ALPHA 12

Nominal Basket Diameter	12", 304.8mm
Impedance	8 ohms
Power Rating	150Wrms
Resonance	49Hz
Usable Frequency Range	45Hz - 5kHz
Sensitivity	see guide on web
Magnet Weight	20oz.
Gap Height	0.25", 6.35mm
Voice Coil Diameter	1.5", 38.1mm

Mounting Information

Recommended Enclosure Volume (vented)	71 - 117 liters 2.5 - 4.15 cu. ft.
Overall Diameter	12.24", 310.9mm
Baffle Hole Diameter	11.04", 280.4mm
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	4.725", 120mm
Shipping Weight	7.1lbs., 3.2 kg.

Thiele-Small Parameters

Resonant Frequency (fs)	49Hz
Impedance (Re)	6.30 ohms
Coil Inductance (Le)	0.79mH
Electromagnetic Q (Qes)	0.88
Mechanical Q (Qms)	6.53
Total Q (Qts)	0.77
Compliance Equivalent Volume (Vas)	121.5 liters 4.29 cu. ft.
Peak Diaphragm Displacement Volume (Vd)	125cc
Mechanical Compliance of Suspension (Cms)	0.32mm/N
BL Product (BL)	8.5 T-M
Diaphragm Mass inc. Airload (Mms)	33 grams
Equiv. Resistance of Mechanical Suspension Loss (Rms)	1.54N*sec/M
Efficiency Bandwidth Product (EBP)	56
Voice Coil Overhang (Xmax)	2.4mm
Surface Area of Cone (Sd)	519.5cm ²
Impedance at Resonance (Zmax)	53 ohms
Maximum Linear Excursion (Xmech)	13.21mm

Eminence Speaker LLC
P. O. Box 360
Eminence, Kentucky 40019
USA
502.845.5622 phone
502.845.5653 fax
info@eminence.com
www.eminence.com



Application Notes

Ideal for two-way sound reinforcement systems, keyboard, and guitar combos.

Materials of Construction

- Kapton coil former for increased rigidity and thermal protection
- Polyamide-imide coated two-layer, 32ga., 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
- Cloth cone edge
- Solid composition felt dust cap

