

ALPHA 15

Nominal Basket Diameter 15", 381mm Impedance 8 ohms 200Wrms Power Rating Resonance 41Hz Usable Frequency Range 40Hz - 4kHz Sensitivity see chart on web Magnet Weight 25oz. Gap Height 0.25", 6.35mm Voice Coil Diameter 1.5", 38.1mm

Mounting Information

106 - 177 liters Recommended Enclosure Volume 3.75 - 6.25 cu. ft. (vented) 15.15", 384.8mm Overall Diameter 13.77", 349.6mm Baffle Hole Diameter fitted as standard Front Sealing Gasket fitted as standard Rear Sealing Gasket 0.25", 6.4mm Mounting Holes Diameter 14.56", 369.9mm Mounting Holes B.C.D. 5.83", 148mm Depth 9lbs., 4.1 kg. Shipping Weight

Thiele-Small Parameters

Resonant Frequency (fs) 41Hz Impedance (Re) 5.88 ohms Coil Inductance (Le) 0.84mH Electromagnetic Q (Qes) 1.53 Mechanical Q (Qms) 7.23 Total Q (Qts) 1.26 Compliance Equivalent Volume (Vas) 260 liters 9.18 cu. ft.

Peak Diaphragm Displacement Volume (Vd) 326cc Mechanical Compliance of Suspension (Cms) 0.25mm/N BL Product (BL) 7.7 T-M Diaphragm Mass inc. Airload (Mms) 59 grams Equiv. Resistance of Mechanical Suspension Loss (Rms) 2.11N*sec/M Efficiency Bandwidth Product (EBP)

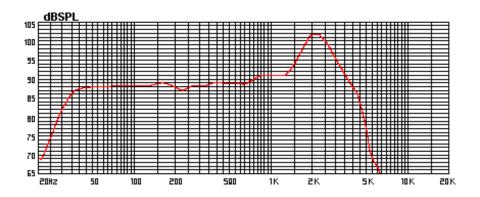
Voice Coil Overhang (Xmax) 3.8mm Surface Area of Cone (Sd) 856.3cm² Impedance at Resonance (Zmax) 34 ohms Maximum Linear Excursion (Xmech) 16.76mm



Materials of Construction

- Kapton coil former for increased rigidity and thermal protection
- Polyamide-imide coated two-layer, 31ga., copper voice coil for improved power handling and durability.
- Ferrite Magnet
- Vented core for increased power handling
- Premium pressed steel basket for maximum strength
- Paper cone
- Cloth cone edge
- Solid composition paper dust cap

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



Alpha Speakers

FORM 96120