



## ALPHA 15

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

### Mounting Information

Recommended Enclosure Volume (vented)	106 - 177 liters 3.75 - 6.25 cu. ft.
Overall Diameter	15.15", 384.8mm
Baffle Hole Diameter	13.77", 349.6mm
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.	14.56", 369.9mm
Depth	5.83", 148mm
Shipping Weight	9lbs., 4.1 kg.

### 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
Peak Diaphragm Displacement Volume (Vd)	9.18 cu. ft.
Mechanical Compliance of Suspension (Cms)	326cc
BL Product (BL)	0.25mm/N
Diaphragm Mass inc. Airload (Mms)	7.7 T-M
Equiv. Resistance of Mechanical Suspension Loss (Rms)	59 grams
Efficiency Bandwidth Product (EBP)	2.11N*sec/M
Voice Coil Overhang (Xmax)	27
Surface Area of Cone (Sd)	3.8mm
Impedance at Resonance (Zmax)	856.3cm <sup>2</sup>
Maximum Linear Excursion (Xmech)	34 ohms
	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

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