

## BETA 12

Nominal Basket Diameter	12", 304.8mm
Impedance	8 ohms
Power Rating	250Wrms
Resonance	50Hz
Usable Frequency Range	50Hz - 5kHz
Sensitivity	<a href="#">see chart on web</a>
Magnet Weight	34oz.
Gap Height	0.312", 7.94mm
Voice Coil Diameter	2", 50.8mm

### Mounting Information

Recommended Enclosure Volume (vented)	64 - 106 liters 2.25 - 3.75 cu. ft.
Overall Diameter	12.02", 305.2mm
Baffle Hole Diameter	10.97", 278.6mm
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.	11.63", 295.3mm
Depth	4.47", 113.5mm
Shipping Weight	9.2lbs., 4.2 kg.

### Thiele-Small Parameters

Resonant Frequency (fs)	50Hz
Impedance (Re)	7.07 ohms
Coil Inductance (Le)	0.84mH
Electromagnetic Q (Qes)	0.57
Mechanical Q (Qms)	5.82
Total Q (Qts)	0.52
Compliance Equivalent Volume (Vas)	114.7 liters 4.05 cu. ft.
Peak Diaphragm Displacement Volume (Vd)	42cc
Mechanical Compliance of Suspension (Cms)	0.29mm/N
BL Product (BL)	11.6 T-M
Diaphragm Mass inc. Airload (Mms)	35 grams
Equiv. Resistance of Mechanical Suspension Loss (Rms)	1.88N*sec/M
Efficiency Bandwidth Product (EBP)	88
Voice Coil Overhang (Xmax)	0.8mm
Surface Area of Cone (Sd)	532.4cm <sup>2</sup>
Impedance at Resonance (Zmax)	79 ohms
Maximum Linear Excursion (Xmech)	17.91mm



### Application Notes

Performance optimized for sound reinforcement systems. Also suitable for lead and bass guitar, keyboards, guitar combos, club music systems and stage monitors.

### 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 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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