

## BETA 8

Nominal Basket Diameter	8", 203.2mm
Impedance	8 ohms
Power Rating	225Wrms
Resonance	58Hz
Usable Frequency Range	55Hz - 4kHz
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)	8.5 - 15.5 liters 0.3 - 0.55 cu. ft.
Overall Diameter	8.24", 209.2mm
Baffle Hole Diameter	7.13", 181mm
Front Sealing Gasket	<i>fitted as standard</i>
Rear Sealing Gasket	<i>fitted as standard</i>
Mounting Holes Diameter	0.218", 5.5mm
Mounting Holes B.C.D.	7.75", 196.9mm
Depth	3.5", 89mm
Shipping Weight	7.6lbs., 3.5 kg.

### Thiele-Small Parameters

Resonant Frequency (fs)	58Hz
Impedance (Re)	6.36 ohms
Coil Inductance (Le)	0.58mH
Electromagnetic Q (Qes)	0.36
Mechanical Q (Qms)	6.54
Total Q (Qts)	0.34
Compliance Equivalent Volume (Vas)	35.4 liters 1.25 cu. ft.
Peak Diaphragm Displacement Volume (Vd)	65cc
Mechanical Compliance of Suspension (Cms)	0.55mm/N
BL Product (BL)	9.4 T-M
Diaphragm Mass inc. Airload (Mms)	14 grams
Equiv. Resistance of Mechanical Suspension Loss (Rms)	0.76N*sec/M
Efficiency Bandwidth Product (EBP)	163
Voice Coil Overhang (Xmax)	3.0mm
Surface Area of Cone (Sd)	214.1cm <sup>2</sup>
Impedance at Resonance (Zmax)	123 ohms
Maximum Linear Excursion (Xmech)	14.73mm



### Application Notes

Performance optimized for midrange use between 400 Hz and 4kHz in multi-way systems. Also suitable for vocal P.A., keyboards, club systems, stage monitors, and bass guitar.

### Materials of Construction

- Kapton coil former for increased rigidity and thermal protection
- Polyamide-imide coated two-layer, 29ga., aluminum voice coil for lower mass and increased sensitivity
- 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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