

BETA 10

Nominal Basket Diameter	10", 254mm
Impedance	8 ohms
Power Rating	250Wrms
Resonance	53Hz
Usable Frequency Range	50Hz - 4kHz
Sensitivity	see chart on web
Magnet Weight	34oz.
Gap Height	0.312", 7.94mm
Voice Coil Diameter	2", 50.8mm

Mounting Information

Recommended Enclosure Volume (vented)	54 - 89 liters 1.9 - 3.15 cu. ft.
Overall Diameter	10.11", 256.8mm
Baffle Hole Diameter	9.13", 231.8mm
Front Sealing Gasket	<i>fitted as standard</i>
Rear Sealing Gasket	<i>fitted as standard</i>
Mounting Holes Diameter	0.225", 5.7mm
Mounting Holes B.C.D.	9.6", 243.8mm
Depth	3.98", 101.1mm
Shipping Weight	8.2lbs., 3.7 kg.

Thiele-Small Parameters

Resonant Frequency (fs)	53Hz
Impedance (Re)	5.75 ohms
Coil Inductance (Le)	0.67mH
Electromagnetic Q (Qes)	0.52
Mechanical Q (Qms)	8.14
Total Q (Qts)	0.49
Compliance Equivalent Volume (Vas)	60.1 liters 2.12 cu. ft.
Peak Diaphragm Displacement Volume (Vd)	104cc
Mechanical Compliance of Suspension (Cms)	0.36mm/N
BL Product (BL)	9.6 T-M
Diaphragm Mass inc. Airload (Mms)	25 grams
Equiv. Resistance of Mechanical Suspension Loss (Rms)	1.03N*sec/M
Efficiency Bandwidth Product (EBP)	103
Voice Coil Overhang (Xmax)	3.0mm
Surface Area of Cone (Sd)	344.9cm ²
Impedance at Resonance (Zmax)	96 ohms
Maximum Linear Excursion (Xmech)	17.27mm



Application Notes

Performance optimized for lead guitar. Also suitable for bass guitar, vocal P.A., keyboards, club music systems and stage monitors.

Materials of Construction

- Kapton coil former for increased rigidity and thermal protection
- Polyamide-imide coated two-layer, 29ga., 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

