

KAPPA 12

Nominal Basket Diameter	12", 304.8mm
Impedance	8 ohms
Power Rating	450Wrms
Resonance	45Hz
Usable Frequency Range	40Hz - 4kHz
Sensitivity	see guide on web
Magnet Weight	80oz.
Gap Height	0.375", 9.52mm
Voice Coil Diameter	3.0", 76.2mm

Mounting Information

Recommended Enclosure Volume (vented)	28 - 57 liters 1 - 2 cu. ft.
Overall Diameter	12.27", 311.7mm
Baffle Hole Diameter	11.03", 280.0mm
Front Sealing Gasket	<i>fitted as standard</i>
Rear Sealing Gasket	<i>fitted as standard</i>
Mounting Holes Diameter	0.255", 6.5mm
Mounting Holes B.C.D.	11.69", 296.8mm
Depth	5.625", 143mm
Shipping Weight	17.4lbs., 7.9 kg.

Thiele-Small Parameters

Resonant Frequency (fs)	45Hz
Impedance (Re)	5.41 ohms
Coil Inductance (Le)	0.77mH
Electromagnetic Q (Qes)	0.28
Mechanical Q (Qms)	7.76
Total Q (Qts)	0.27
Compliance Equivalent Volume (Vas)	112.1 liters 3.96 cu. ft.
Peak Diaphragm Displacement Volume (Vd)	165cc
Mechanical Compliance of Suspension (Cms)	0.30mm/N
BL Product (BL)	15.2 T-M
Diaphragm Mass inc. Airload (Mms)	42 grams
Equiv. Resistance of Mechanical Suspension Loss (Rms)	1.53N*sec/M
Efficiency Bandwidth Product (EBP)	163
Voice Coil Overhang (Xmax)	3.2mm
Surface Area of Cone (Sd)	519.5cm ²
Impedance at Resonance (Zmax)	156 ohms
Maximum Linear Excursion (Xmech)	23.88mm

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Application Notes

Designed 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, 27ga., 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

