



HL-10A

Nominal Basket Diameter	10", 254mm
Impedance	8 ohms
Power Rating	300Wrms
Resonance	32Hz
Sensitivity	87.1
Magnet Weight	112 oz.
Voice Coil Diameter	2.5", 63.5mm

Mounting Information

Recommended Enclosure Volume	14.5-48.1 liters 0.5-1.7 cu. ft.
Overall Diameter	10.72", 272.2mm
Baffle Hole Diameter	9.22", 234.2mm
Front Sealing Gasket	<i>fitted as standard</i>
Rear Sealing Gasket	<i>fitted as standard</i>
Mounting Holes Diameter	0.26", 6.6mm
Mounting Holes B.C.D.	10.13, 257.3mm
Depth	6.25", 158.1mm

Thiele-Small Parameters

Resonant Frequency (fs)	32Hz
Impedance (Re)	5.36 ohms
Coil Inductance (Le)	3.51mH
Electromagnetic Q (Qes)	0.29
Mechanical Q (Qms)	9.9
Total Q (Qts)	0.28
Compliance Equivalent Volume (Vas)	29.2 liters
Mechanical Compliance of Suspension (Cms)	0.18mm/N
BL Product (BL)	22.6 T-M
Diaphragm Mass inc. Airload (Mms)	136 grams
Equiv. Resistance of Mechanical Suspension Loss (Rms)	2.71N*sec/M
Efficiency Bandwidth Product (EBP)	111.5
Voice Coil Overhang (Xmax)	11.1mm
Surface Area of Cone (Sd)	334.5cm ²
Maximum Mechanical Limit (Xmech)	36mm

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SPEC 96270

Application Notes

The HL-10A was designed for use as a subwoofer in horn loaded enclosures, small sealed boxes, or small vented boxes.

Materials of Construction

- Kapton coil former for increased rigidity and thermal protection
- Polyamide-imide coated two-layer, 25ga., copper voice coil for improved power-handling and durability
- Ferrite Magnet
- Vented and extended core for increased power-handling
- Die-cast 12-spoke aluminum basket for rigidity
- Kevlar Impregnated Paper cone
- Foam cone edge

