



MAGNUM® 12HO

Nominal Basket Diameter	12", 304.8mm
Impedance	8 ohms
Power Rating	600Wrms
Resonance	43Hz
Usable Frequency Range	43Hz - 3.0kHz
Sensitivity	95dB
Magnet Weight	109oz., 3.1 kg.
Gap Height	0.375", 9.5mm
Voice Coil Diameter	4", 101.6mm

Mounting Information

Recommended Enclosure Volume (vented)	28.3 - 60 liters 1.0 - 2.12 cu. ft.
Volume Displaced by Driver	2.9 liters, 0.10 cu. ft.
Overall Diameter	12.4", 314.3mm
Baffle Hole Diameter	11.06", 281mm
Front Sealing Gasket	<i>fitted as standard</i>
Rear Sealing Gasket	<i>fitted as standard</i>
Mounting Holes Diameter	0.275", 7mm
Mounting Holes B.C.D.	11.57", 293.8mm
Depth	5.83", 148mm
Shipping Weight	24lbs., 10.9kg.

Thiele-Small Parameters

Resonant Frequency (fs)	43Hz
Impedance (Re)	5.7 ohms
Coil Inductance (Le)	0.89mH
Electromagnetic Q (Qes)	0.31
Mechanical Q (Qms)	5.19
Total Q (Qts)	0.29
Compliance Equivalent Volume (Vas)	79.6 liters 2.81 cu. ft.
Peak Diaphragm Displacement Volume (Vd)	263cc
Mechanical Compliance of Suspension (Cms)	0.184mm/N
BL Product (BL)	19.4 T-M
Diaphragm Mass inc. Airlod (Mms)	75.3 grams
Equiv. Resistance of Mechanical Suspension Loss (Rms)	3.90N*sec/M
Efficiency Bandwidth Product (EBP)	138.8
Voice Coil Overhang (Xmax)	4.8mm
Surface Area of Cone (Sd)	552cm ²
Impedance at Resonance (Zmax)	102 ohms
Maximum Mechanical Limit (Xmech)	22.35mm

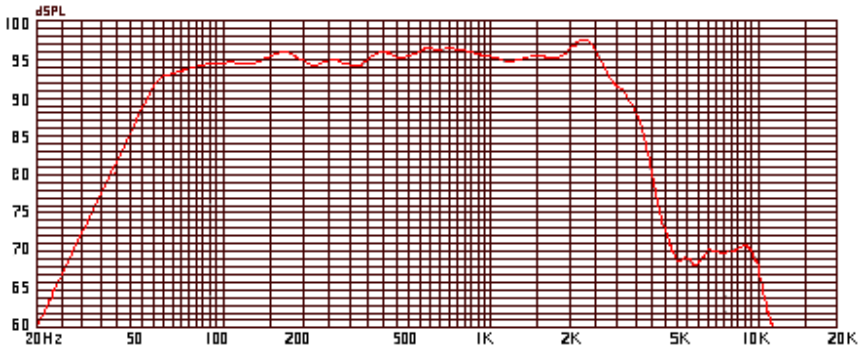


APPLICATION NOTES

For all high-power bass applications. Works well as a two-way in a small box. The 12HO is ideal for use in floor monitors and small vented PA cabinets. This speaker has a smooth and extended frequency response.

Materials of Construction

- Kapton coil former for increased rigidity and thermal protection
- Polyamide-imide coated one-layer, edgewound copper voice coil for durability, increased sensitivity, and power-handling
- Ferrite Magnet
- Die-cast aluminum basket for rigidity
- Paper cone
- Cloth cone edge with deep sinusoid corrugations for extended travel
- Copper shorting ring to minimize distortion
- Solid composition paper dust cap
- Vented core for increased power handling



Eminence response curves are measured under the following controlled test conditions:

- * All speakers are tested at 1W/1m using a variety of test set-ups for the appropriate impedance
- * LMS using 0.25" supplied microphone (software calibrated) mounted 1m from wall/baffle
- * 2ft. X 2 ft. baffle is built into the wall with the speaker mounted flush against a steel ring for minimum defraction
- * Hafler P1500 Trans-Nova amplifier
- * 2700 cu. ft. chamber with fiberglass on all six surfaces (three with custom-made wedges)