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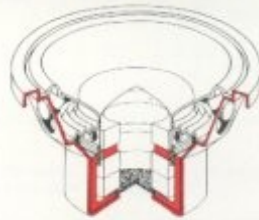
high fidelity range



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MW113

Triple Magnet DPC Cone 4" Woofer



Another unique high quality driver in the Morel range, being the first in a new generation of loudspeaker drive units.

A 4" driver with a triple magnet system - which has been developed especially for this unit - incorporating an exceptionally large diameter aluminium voice coil for such a small unit. The magnet system is rear vented and housed within a steel chassis, which is part of the magnetic circuit. Additionally it is shielded, thereby eliminating any magnetic stray field, making the MW113 an ideal choice for use in surround-sound TV and Video installations, as well as any high quality independent loudspeaker system.

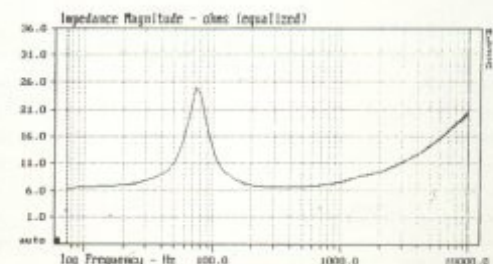
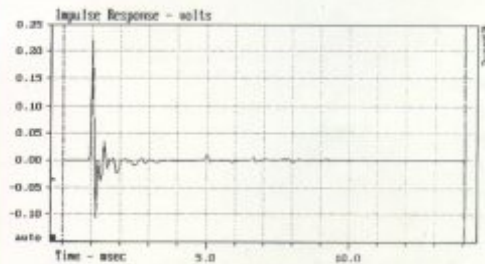
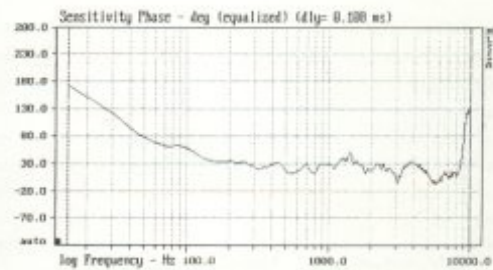
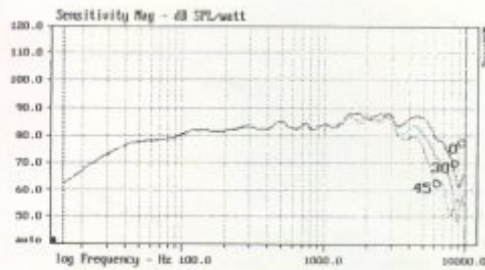
The large diameter voice coil enables usage of a shallow damped polymer composite cone with a rubber surround, precluding cone breaks even at very high SPL. This produces an excellent roll-off characteristic and results in a smooth response both on and off axis, with extremely flat phase response.

A very high power handling capability is achieved by this uniquely constructed drive unit.

Specification

Overall Dimensions	Ø118mm (4.64") x 58mm (2.29")
Mounting Baffle Hole Diameter	Ø95mm (3.75")
Magnet Systems	Pot Type, Vented, Triple Magnet
Nominal Power Handling (Din)	150W
Transient Power - 10ms	800W
Voice Coil Diameter	54mm (2.125")
Voice Coil Type/Former	Hexatech Aluminium
Frequency Response	60-6000 Hz
FS - Resonant Frequency	72 Hz
Sensitivity 1W/1m	87 dB
Z - Nominal Impedance	8 ohms
RE - DC Resistance	6.2 ohms
LBM - Voice Coil Inductance @ 1kHz	0.25 mH
Magnetic Gap Width	1.175mm (0.046")
HE - Magnetic Gap Height	4.0mm (0.157")
Voice Coil Height	10mm (0.39")
X - Max. Linear Excursion	3.0mm (0.118")
B - Flux Density	0.64T
BL Product (BXL)	3.98
Oms - Mechanical Q Factor	3.13
Oes - Electrical Q Factor	1.03
Q/T - Total Q Factor	0.75
Vas - Equivalent Gas Air Load	4.30 litres (0.153 cu. ft.)
MMS - Moving Mass	5.54 gm
CMS	844µm/n
SD - Effective Cone/Dome Area	61cm ² (23.9 sq. in.)
Cone/Dome Material	DPC (Damped Polymer Composite)
Nett Weight	0.500 kg

Specifications given are as after at least 45 minutes of high power, low frequency running, or 24 hours normal power operation.



Morel operate a policy of continuous product design improvement, consequently specifications are subject to alteration without prior notice.