

# MDT 37

## Soft Dome Horn Tweeter

### FEATURES:

- Large Hexatech aluminium voice coil
- High sensitivity
- Ferrofluid cooled
- High power handling
- Replaceable dome/coil assembly
- Sturdy gold plated input tags



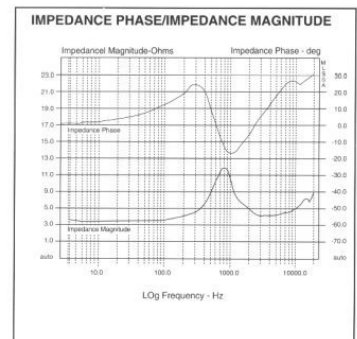
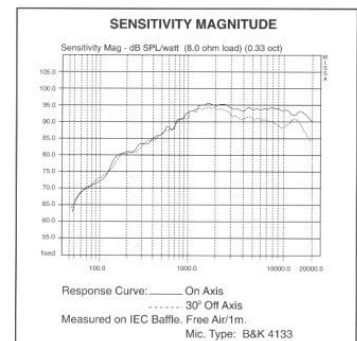
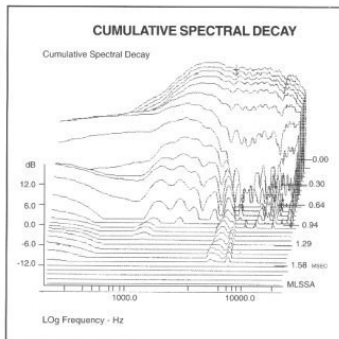
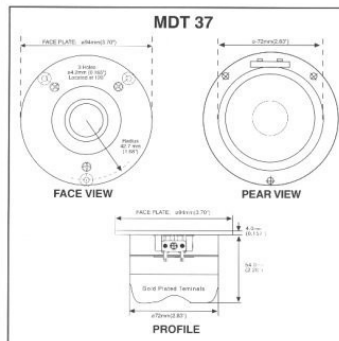
### Specifications - MDT 37

APPLICATION INFORMATION	
Overall dimensions	ø 94mm (3.7") x 58mm (2.28")
Nominal Power Handling (DIN) P	200W
Transient Power - 10ms	1000W
Nominal Impedance Z	8 Ω
Sensitivity 1W/1M	93 dB
Frequency Response	1800-22000 Hz
Resonant Frequency FS	700 Hz
VOICE COIL	
Voice Coil Diameter	Ø 28mm (1.1")
Voice Coil Height	2.7mm (0.106")
Voice Coil Former	Aluminium
Voice Coil Wire	Hexatech Aluminium
Number of Layers	2
DC Resistance RE	5.2 Ω
Voice Coil Inductance LBM	0.09 mH
MAGNET SYSTEM	
Magant System Type	Ferrite Vented
Magnetic Gap Height HB	2.5mm (0.098")
Flux Density B	1.5T
BL Product	BXL 3.5 tm
Max. Linear Excursion X	
OPERATIONAL PARAMETERS	
Suspension compliance CMS	
Mechanical Q Factor QMS	
Electrical Q Factor QES	
Total Q Factor Q/T	
Mechanical Resistance RMS	
Moving Mass MMS	0.44 gm.
Equivalent Cas Air Load VAS	
Cone / Dome Material	Hand Treated Selected Fabric
Effective Piston Area S	6.0 cm <sup>2</sup>
Net Weight	Kg. 0.56 Kg.

Most specs qualify for continuous product design improvement, consequently specifications are subject to revision without prior notice.

The rear chamber has also been modified to reduce the resonance frequency further, and for a smoother impedance curve. The internally damped chamber has been specially shaped to prevent both internal standing waves and reflections. More's renowned Hexatech Aluminium voice coil, the flexible wire termination and the low viscosity of Ferrofluid cooling liquid deliver high power handling. More important is the sound, which is clear, detailed with a fast transient response and excellent dynamics.

**This tweeter is also available in a magnetically stray field reduced, model DMS 37.**



This is an improved version of the well-established and highly regarded MTD 27. The main improvement is on the new horn face, which is less deep and carefully optimized for this new tweeter. This new design offers better off axis response, improved dispersion and a 3 dB higher sensitivity above 5 kHz. A very flat and smooth frequency response. Sturdy gold plated input tags on a heat resistance fiber mounted on the horn unit, which is the carrier of the dome and coil assembly enabling a self-centering replaceable part for quick service.