**MDT 30/32 Soft Dome Tweeters**

Morel's classic — MDT 30 hand treated soft dome — a very fast tweeter using a replaceable, self-centering diaphragm assembly, incorporating flexible wire termination.

Magnet system vented into a suitably damped rear chamber with associated lower resonance, and freedom from "honking" at the lower operating frequencies.

Aluminium voice coil — liquid cooled high power handling — low distortion — smooth extended response both on and off axis. High dynamic range without compression of sound pressure level.

The MDT 32 is similar to MDT 30 in sound, quality and performance, except for the larger face plate.

---

**Specification**

- **Overall Dimensions**: MDT 30: ø 64mm (3.7"), 40mm (1.5"), MDT 32: ø 110mm (4.3"), 40mm (1.5"
- **Nominal Power Handling**: (Din) 200 W
- **Transient Power**: 1000 W
- **Voice Coil Diameter**: 28mm (1.12")
- **Voice Coil Type / Former**: Hexalloy Aluminium
- **Frequency Response**: 1500-25000 Hz
- **FS — Resonant Frequency**: 700 Hz
- **Sensitivity 1W/1M**: 90 dB
- **Z — Nominal impedance**: 8 ohms
- **RE — DC Resistance**: 5.2 ohms
- **Harmonic Distortion for 96 dB SPL**: <0.8%
- **Intermodulation Distortion for 96 dB SPL**: <0.2%
- **LBM — Voice Coil Inductance @ 1 KHz**: 0.09 mH
- **Magnetic Gap Width**: 0.75mm (0.029")
- **HE — Magnetic Gap Height**: 2.0mm (0.08")
- **Voice Coil Height**: 2.7mm (0.106")
- **B — Flux Density / BL Product (BxL)**: 1.5 T / 3.5 NA
- **Grrs — Mechanical Q Factor**: 0.199
- **Qsl — Electrical Q Factor**: 0.12
- **QRT — Total Q Factor**: 0.97
- **Vas — Equivalent Air Load**: 0.011ms
- **MMS — Moving Mass**: 0.44 gm
- **SD — Effective Cone/Dome Area**: 4.0 cm²
- **Cone/Dome Material**: Hand Treated Selected Fabric
- **Nett Weight**: 0.56 kg

Specifications given are in after 24 hours of running.

---

**Sensitivity Chart**

- Sensitivity vs. Log Frequency (dB SPL/1W)
- Impulse Response vs. Time (msec)
- Impedance Magnitude vs. Log Frequency (ohms)
- Frequency Response vs. Log Frequency (Hz)

---

**Morel**

High Fidelity Range