

more

high fidelity range



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	∅- 94mm(3.7") x 40mm(1.57")
Overall Dimensions	MDT 32	∅- 110mm(4.3") x 40mm(1.57")
Nominal Power Handling (Din)		200 W
Transient Power — 10ms		1000 W
Voice Coil Diameter		28mm(1.125")
Voice Coil Type / Former		Hexatech Aluminium
Frequency Response		1600-25000 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		2.5mm(0.098")
Voice Coil Height		2.7mm(0.106")
B — Flux Density / BL Product (BXL)		1.5 T / 3.5 NA
Qms — Mechanical Q Factor		0.108
Qes — Electrical Q Factor		0.12
Q/T — Total Q Factor		0.57
Vas — Equivalent Gas Air Load		0.01 litres
MMS — Moving Mass		0.44 gm
SD — Effective Cone/Dome Area		6.0 cm ²
Cone/Dome Material		Hand Treated Selected Fabric
Nett Weight		0.56 kg

Specifications given are as after 24 hours of running.

