

Morel Elate Ltd Edition three-way components

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Supplied in what looks a little like a case for a high end sniper rifle, these are a very high quality set of loudspeakers indeed. Made as an especially desirable limited edition of only 500 sets, each distributor in the world was to be given only ten. The UK distributors are so well hooked into the top end of the discerning hi-fi trade that they quickly sold their allocation and then begged for that of another territory. In fact, Morel have had to admit that the UK is better at finding lovers of high end speaker systems than other places and the Flagship guys have had even more of the 500, beating the rest of Europe! Comprising the MT-24LE Acuflex® coated soft dome tweeter and the CDM-88LE dome midrange with the same coating and the SW 6LE woofer with the Accuset MX-22.2LE passive crossover. The passive can be used single-wire with jumpers, bi-wired or else bi-amplified with a separate amp to run the woofer and the mid-high section. The woofers are made of two layers of carbon fibre with a Rohacell layer between them. The mid and HF drivers' magnets are double Neodymium types, so very strong, while the woofers' magnets are hybrid Neodymium/Ferrite but still six times more powerful than regular Ferrite-alone types. The voice coils are external to the magnets so are three times the 'normal' size. These coils are Hexatech® Aluminium and are lighter and yet more efficient due to small air gaps and allow faster transient response. The woofer has a 'Controlled Acoustic Resistance' air filter on its base to attempt to mimic the effects of it being mounted in an enclosure as such speakers are normally mounted 'free-air' or without the acoustic support of an enclosure. The chassis is shaped to best allow airflow around it and the magnet structure is shielded to prevent flux from interfering with the rest of your system's wiring. All very advanced stuff.

Elate SW 6LE woofer

- Carbon fibre/Rohacell composite cone
- Power Handling: 200w RMS /1,000w transient
- Efficiency 1w/1m: 88dB
- Frequency Response: 25Hz to 4kHz
- Crossover Point: 380Hz @12dB per Octave
- Voice Coil Diameter: 75mm (3in)
- Voice Coil Height: 16mm (0.62in)
- Aluminium voice coil former
- Hexatech Aluminium voice coil wire for less gaps in the coil's cross section
- Neodymium Ferrite hybrid rear vented magnet
- Flux density: 0.8T
- Voice coil inductance @ 1kHz: 0.44mH
- Suspension compliance CMS: 0.560
- FS: 50Hz
- Max linear excursion/Xmax: 10mm, +/-5mm
- QES: 0.44
- QT: 0.37
- QMS: 2.21
- Moving Mass: 16.5g
- VAS: 11 litres
- Piston Area SD: 119cm²
- Mounting Depth: 61mm

CDM 88LE mid

- Acuflex coated soft silk dome
- Power Handling: 100w RMS /300w transient
- Efficiency 1w/1m: 89dB
- Frequency Response: 450Hz to 7kHz
- Crossover: 3,00Hz, 6dB per Octave to 3,800Hz @ 6/12dB per Octave variable
- Voice Coil Diameter: 54mm (2.1in)
- Aluminium voice coil former
- Hexatech Aluminium voice coil wire for less gaps in the coil's cross section
- Neodymium rear vented magnet
- FS: 280Hz
- Unit diameter: 88mm
- Mounting Depth: 21mm

MT-24LE tweeter

- Acuflex coated soft silk dome

- Power Handling: 130w RMS /250w transient
- Efficiency 1w/1m: 90dB
- Frequency Response: 1,400Hz to 25kHz
- Crossover Point: 3,800Hz, 6/12dB per Octave variable
- Voice Coil Diameter: 28mm (1.1in)
- Aluminium voice coil former
- Hexatech Aluminium voice coil wire for less gaps in the coil's cross section
- Double Neodymium H-type magnet
- FS: 700Hz
- Unit diameter: 45mm
- Mounting Depth: 20mm