



Metro Cars

(Under Licence of Changchun Railway Co.)

Description

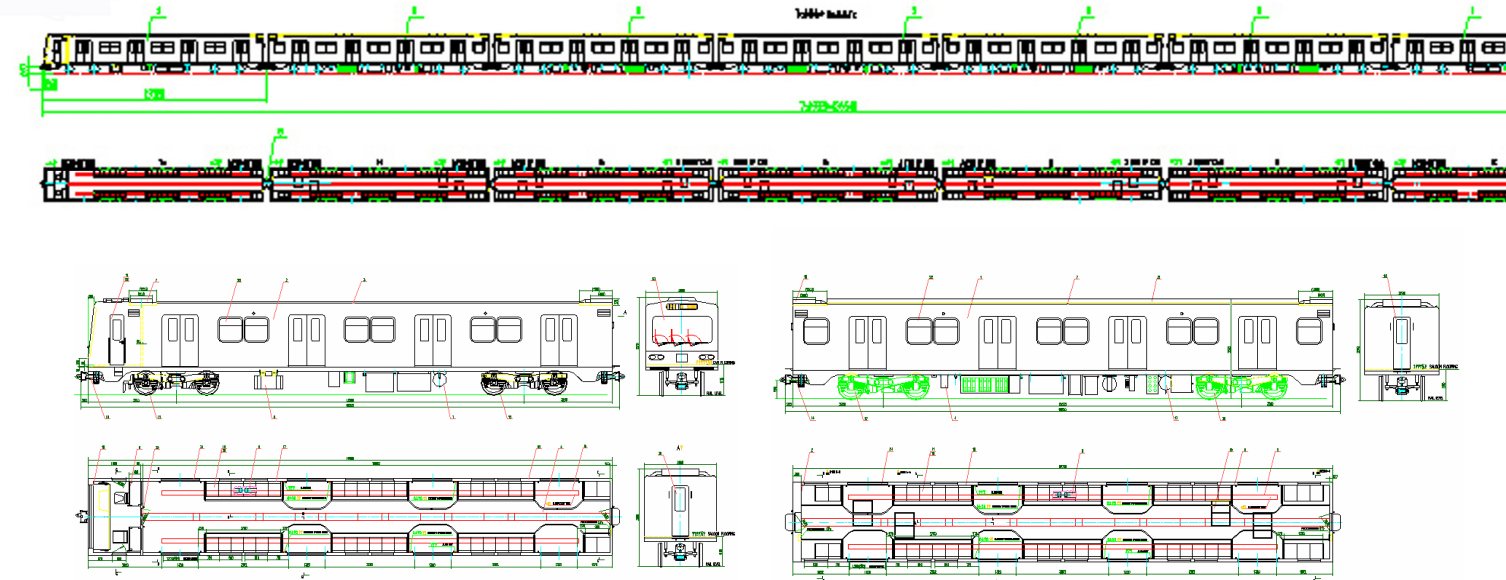
Teheran Urban and Suburb Railway Corporation ordered 217 Metro Vehicles manufactured by Changchun Car Company for Tehran Metro Line 1 and Line 2 on Mar.23.1995.

Teheran Line 2 (East-West) is all under the ground and served by 19 railway stations with a whole length of 19.7 km and max. gradient is 35‰. The railway line and steel track comply with UIC standard and the track gauge is 1435mm. The nominal supply voltage is 750 VDC and adopts third-rail current collecting mode. Carbody steel structure is whole bearing thin-shelled cylindrical welding structure with its strength complying with some developed country's standard. High-grade paints are applied to its outside, Interior and exterior modeling are carefully designed by art-designer, with bright and beautiful color and tone. All materials satisfy the nonflammable or non-combustive requirements, fireproof performance is increased. Latest techniques or research achievements are applied to door, window, seat, wall plate, ceiling, floor, handrail, draft board, illumination, ventilation system, heating system, public address system, etc. to make sure that the passengers have a safe and comfortable environment. For line 2 there are 3 car types:

- Tc: Trailer car with a driving cab
- M: intermediate motor car
- Ms: motor car with a driving stand



Layout



Technical parameter

- Track gauge 1435 mm
- Carbody length 19000 mm
- Carbody width 2600 mm
- Height of saloon flooring surface above rail top 1100 mm
- Line voltage 750 VDC
- Tare weight
 - Tc: ≤29 t
 - M: ≤36 t
 - Ms: ≤37 t
- Maximum speed 80 km/h
- Average speed under normal load 35 km/h
- Capacity (Normal Load) 1290
- Minimum radius of curvature(main line) 190 m
- Rated power of Traction motor 132 kw
- Output power of Auxiliary Inverter 45 kVA