

TRAIN DATA SHEET V250

MAIN CHARACTERISTICS	
Base Train Set configuration	Train consisting of 8 cars. Composition: Motor car with cab + trailer car + motor car + trailer car + trailer car + motor car + trailer car+ Motor car with cab
Total Passenger Seats number	546 seats: 127 first class; 419 second class
Wheelchair accommodation	Two in first class
Passenger's facilities	Trolley catering for first class Vending machines in second class Audio and visual announcements (internal loudspeaker system; external and internal displays)
Standard toilets	4
HK dedicated toilet	1
Max. service speed	250 km/h
Max. acceleration	0.57 m/sec ²
Max. service deceleration	1 m/sec ²
Max. emergency deceleration	1.2 m/sec ²
Max. slope	35 ‰
Car construction material	Light Alloy
Front Ends	Light alloy and moulded resin reinforced with fibreglass
Skirts and shrouds	Both underfloor and roof.
Total number of driven and trailer axles	16 and 16
Propulsion type	Electrical from IGBT Inverter
Installed propulsion power	5.5 MW
Transformers	2 per train
Pantograph	2 for 25 kV 2 for 3 kV 2 for 1.5 kV Full redounded
Brake system type	Electro-pneumatic + pneumatic UIC back-up
Friction element type	Disc

Air compressors	2 per train
Parking brake	Spring applied
Coupling	Automatic coupler, fixed type (heads) Drawbar (inter car connection)

MAIN DIMENSIONS	
Train length at coupler ends	200 m
Mass	423 tons
Max. height from the top of rail with equipment	4080 mm
Max. width	2870 mm
Floor height from the top of rail	1260 mm
"Nose" overhang (M1 and M2 cars)	5500 mm
Front/Rear overhang	3500 mm
Distance between pivots	17500 mm (end cars with cab)
Car length	Car with cabs: 26500 mm Intermediate cars: 24500 mm
Wheel diameter	920 mm (new); 850 mm (worn)
Wheel base	2800 mm
External Doors	Sliding plug type, electrically operated, one leaf, pressure proof, free width 900 mm
Passenger compartment internal height	2160 mm
Internal doors.	Pocket sliding, automatic
Gangway doors	Pocket sliding, automatic, fire barrier function