

Equipment details

Bodies:	Aluminium extrusions welded and huckbolted (FICAS Technology). Through gangways provided between car with internal and external bellows and overlapping sliding plates.
Bogies:	Bombardier Flexible frame.
Couplers:	Wedglock with pneumatic connections only on the front of DM cars, bolted bar coupler flange between cars.
Traction System:	Bombardier 3 phase AC, all axles motored and one inverter per car. Regenerative and Rheostatic braking.
Compressors:	Knorr-Bremse VVI20T oil free reciprocating – 3 Phase AC Motor.
Brakes:	Knorr-Bremse EP2002 with PEC7 actuators.
Auxiliary power Supplies:	Bombardier static converter, two per train
Saloon lighting:	21 fluorescent T5 Tubes via individual inverters per car.
Emergency lighting:	5 battery-fed fluorescent T5 Tubes via individual inverters per car normally forming part of the main saloon lighting.
HVAC:	Single roof mounted saloon air conditioning module with dual refrigeration circuits supplying ceiling mounted air ducts. Separate module on DM cars for cab air conditioning with fallback air from the saloon module. Internal and external smoke detection.
Passenger Information:	An LED external facing front destination display with separate train number display per train front. One external platform facing destination LED display per vehicle side. Two double sided internal side facing Saloon LED displays per car.
CCTV:	OPO TTCCTV displayed on 2 monitors in cab via microwave transmission. Saloon CCTV system viewable in cab when stationary and recorded digitally.
Doors:	Six electrically operated sliding doors per side, externally hung and configured as two double doorways and two single door ways. Fitted with obstacle detection and sensitive edge plus threshold lighting when doors are open.



S8 Stock

Metropolitan line



Built by Bombardier Transportation UK, Derby 2008-2014
Due to enter service in 2009 - 2014
Maintained by : LUL Nominee Company SSL

Principal characteristics

Track gauge:	1435mm
Current system:	630v dc 3rd and 4th rail, (capable of 750v operation), shoe gear fitted to DM and MS cars
Types of vehicle:	DM) : Driving Motor Car M1, M2 & MS : Non Driving Motor M2D : Non Driving Motor with De-icing Equipment
Formation per unit:	8 car blocked train
Formation per train (8):	DM-M1-M2-MS-MS-M2-M1-DM
Number of trains:	58 eight car.
Operation:	Conventional One Person Operated (OPO) pre-signalling upgrade Full Automatic Train Operation (ATO) with automatic door opening Manual Driving (Protected Manual or Restricted Manual)

Information sheet date: March 2009



