

## Equipment Details

Bodies:	Aluminium extrusions welded and huck-bolted (FICAS Technology). Through gangways provided between car with internal and external bellow and overlapping sliding plates.
Bogies:	Bombardier Series 3 EMU 'H-frame'.
Couplers:	Dellner 12 auto-couplers only on the front of DMOS cars, intermediate couplers between cars.
Traction System:	Bombardier 3 phase AC, three motored axles per motor car. Regenerative and rheostatic braking capability.
Compressor:	Knorr-Bremse VV120T oil free reciprocating – 3 phase motor.
Brakes:	Knorr-Bremse EP2002 with 2 actuators per axle
Auxiliary Power:	Bombardier Auxiliary Converter, two per train fitted to DMOS cars.
Supplies:	110V dc control system with 108V, 220Ah battery fitted on DMOS cars.
Saloon Lighting:	22 (16 saloon, 6 cab) Fluorescent T5 tubes via individual inverters per car.
Emergency Lighting:	17 (14 saloon, 2 cab, 1 connecting gangway) battery-fed fluorescent T5 tubes via individual inverters per car normally forming part of the main saloon lighting.
HVAC:	Two roof mounted saloon air conditioning modules per car supplying ceiling mounted air ducts. Separate module on DMOS cars for cab air conditioning.
Passenger Information:	An LED external facing front destination display and one external platform facing LED display per vehicle side. One double sided and two single sided body-end internal LED displays per car.
CCTV:	DOO CCTV displayed on two monitors in cab Saloon CCTV system viewable in cab and recorded digitally.
Doors:	Four electrically operated sliding doors per side, sliding pocket doors and configured as two double doorways per side. Fitted with obstacle detection plus threshold lighting when doors are open.



## Class 378 Stock

### London Overground



Built by Bombardier Transportation UK, Derby 2008 - 2015

Entered service in 2009

Maintained by: Bombardier Transportation

### Principal Characteristics

Track Gauge:	1435mm
Current system:	378/1 - 750V dc 3 <sup>rd</sup> rail only 378/2 - 750V dc 3 <sup>rd</sup> rail or 25kV ac OLHE
Types of vehicle:	DMOS : Driving Motor Open Saloon MOS : Motor Open Saloon PTOS : Pantograph Trailer Open Saloon
Formation per Unit:	5 car blocked train
Formation per unit (5):	DMOSA – MOSA – PTOS – MOSB – DMOSB
Number of Trains:	57 five cars
Operation:	Driver Only Operated (DOO)

