

# Class 458



**Train Operator**

**South West Trains**

<b>Vehicle Qty</b>	120
<b>Consist</b>	30 x 4-Car units
<b>Traction Type or Power Supply Type</b>	1GBT ac traction drive. 3 <sup>rd</sup> rail power source only
<b>Max Speed</b>	Designed for 100 mph, limited to 90 mph with current brake disc.

The Class 458 was the Alstom built EMU for slam door stock replacement, introduced in 2000 to South West Trains Waterloo – Reading services. The trains suffered a range of problems which took some time to rectify and resulted in SWT purchasing the main order for slam-door stock replacement with another company. Traction equipment is Alstom's "Onix" drive package, similar to the Northern Line underground units, Voyager and Pendolino trains. The unit's six 270kW motors powered by three traction converters give good acceleration and require very little maintenance. Interiors are bright and modern with 3+2 seating and facilities for the disabled including toilets and passenger information systems modified to the latest standard.