

GL Class Locomotive

RAILFIRST

Asset Management

General

Class	GL
Manufacturer	Goninan Broadmeadow
Previous Owner	New Build (Former 442)
Locomotive Numbers	GL101-GL112
Year of Manufacture	2003
Date In Service	2003
Quantity	12

Operating

Load Category	L4
Speed Category	S5
Live Weight	132.0 tonnes
Drawbar Capacity	1.80 MN
Axle Load: Maximum	22.0 tonnes
Speed Track Gauge	112.8 km/h Standard
Options Fuel Capacity	(1,435 mm) 7,500 L
Length Over Couplers	18.70 m

Technical

Locomotive Model	C30-MMi
Engine	GE-7FDL-12 (turbocharged)
Wheel Arrangement	Co-Co
Wheel Diameter	1,016 mm
Power (gross)	2,460 kW/3,300 hp
Power (traction)	2,380 kW/3,192 hp
Alternator	5GTA11C2
Engine RPM	1,050 Max/448 Min
Traction Motors	5GE752-AF11
Equipment Blower	Crankshaft driven
Radiator Fan	Eddy Cur. Clutch
Lube Oil Capacity	776 L
Cooling Water Capacity	1,436 L
Control System	GE Brightstar
Air Compressor	3CDC Shaft driven
Brake Valve	30DG/30H
Dynamic Brake	650A 3 stage
Gear Ratio	83:20
Starting Tractive Effort	515 kN

