



SpecificationsGeneral Data

Model Designation 2GS-12B

Emmissions Tier IV
(US EPA)

Power 1200 HP
(gross) (2 engines)

Wheel Arrgt. B-B
(AAR)

Dimensions

AAR Plate Plate C

Over Pulling Faces 47'10"
(14,580mm)

Width Over Grab 10'3.5"
Irons (3137mm)

Maximum height 14'10"
above rail (4521mm)

Wheel diameter 40"
(1016mm)

Minimum curve 101ft - 57 Deg.
radius-single unit (31m - 37 Deg.)

Track Gauge 56 1/2"
(1435mm)

Mass

Fully Serviced 246,000lbs
(111,584kgs)

Tons/Axle 30.8
(27.9 tonne)

Supplies

Fuel 600 gal
(2271L)

Sand 48 ft³
(1.35 m³)

Coolant 45 gal (170L)
per NGen

Lubricating oil 13 gal (49L)
per NGen

Retention tank 48 gal (182L)

Equipment

Engine model QSX15

Generator model 740RDL-AC

Air compressor model GAR37

Air brake model 26L

Microprocessor model N-FORCE

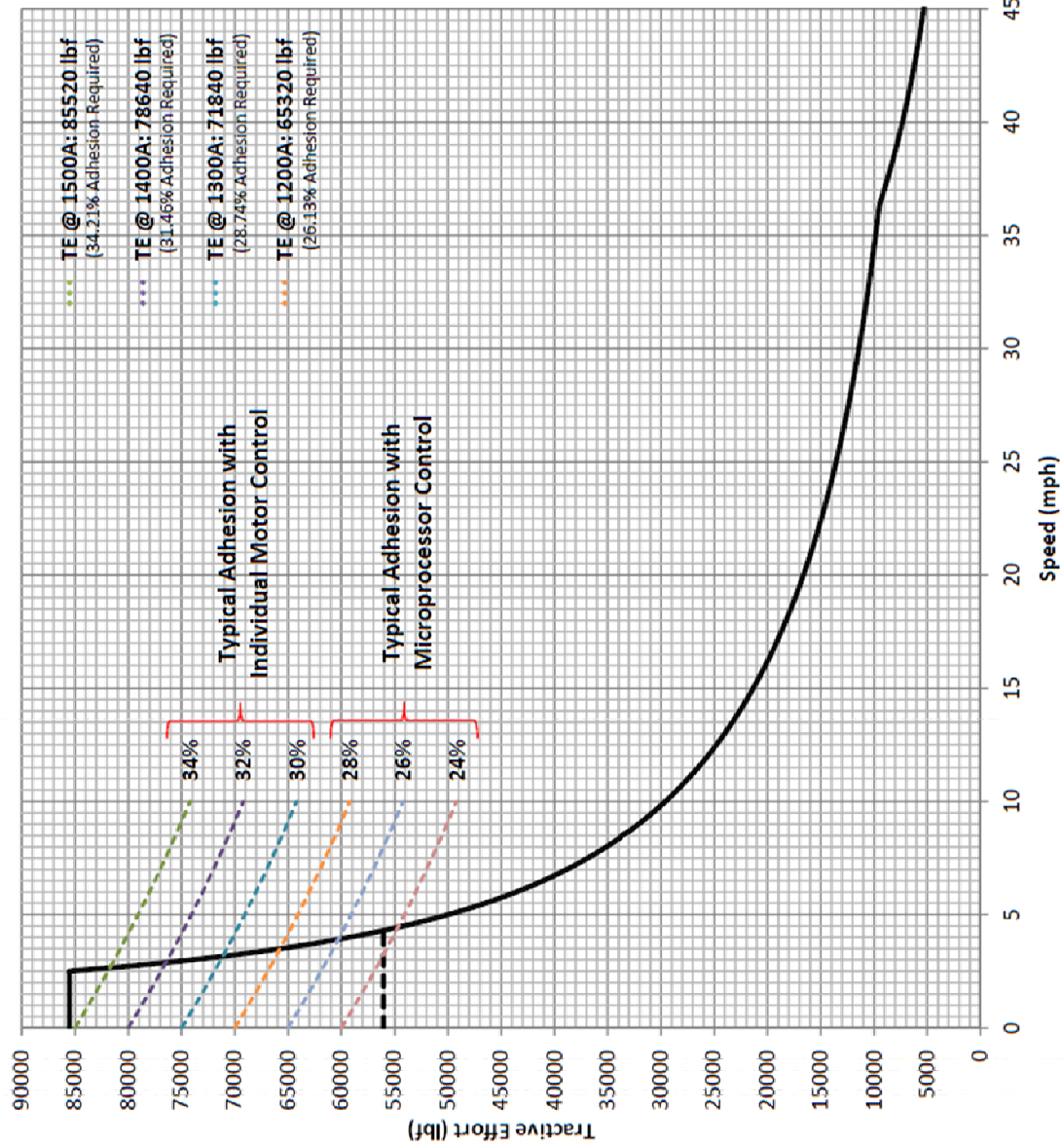
Traction motors D77-78

Traction Controller NRE DC chopper
(Independent Axle) IGBT





Tractive Effort vs. Speed



* Actual traction power may vary. Entire curve may not be available at all times due to limitations of wheel/rail adhesion

Model:	2GS12B
Mass:	125 tons
Traction Motors:	D77
Gear Ratio:	62:15
Wheel Diameter:	40"
Traction Power:	1000 hp
Engine type:	QSX15
Power Rating:	600 bhp
US Emissions Cert:	Tier 4 Locomotive
Starting TE:	85520 lbf
Continuous TE:	56053 lbf
Continuous Speed:	4.3 mph