



Specifications

General Data

Model Designation 3GS-24C-DE

Emmissions (US Tier I
EPA)

Power (gross) 2400 HP
(3 engines)

Wheel Arrgt. (AAR) C-C

Dimensions

ROA Plate Plate A (Australia)

Over Pulling Faces 63'11"
(19,500mm)

Width Over Grab 9'5"
Irons (2,900mm)

Maximum height 12'10"
above rail (3,896mm)

Wheel diameter 40"
(1,016mm)

Minimum curve 229ft (25.1 Deg.)
radius-single unit 70m (16.5 Deg.)

Track Gauge 56 1/2"
(1435mm)

Mass

Fully Serviced 251,326lbs
(114,000kgs)

Tons/Axle 21
(19.0 tonnes)

Supplies

Fuel 1,321 gal (5,000L)

Sand 12.7 ft³
(0.36m³)

Coolant per NGen 45 gal (170L)

Lubricating oil per 13 gal (49L)
NGen

Retention tank 100 gal (378L)

Equipment

Engine model QSK19HPI

Generator model 740RDL-AC

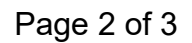
Air compressor model GAR37

Air brake model CCBII

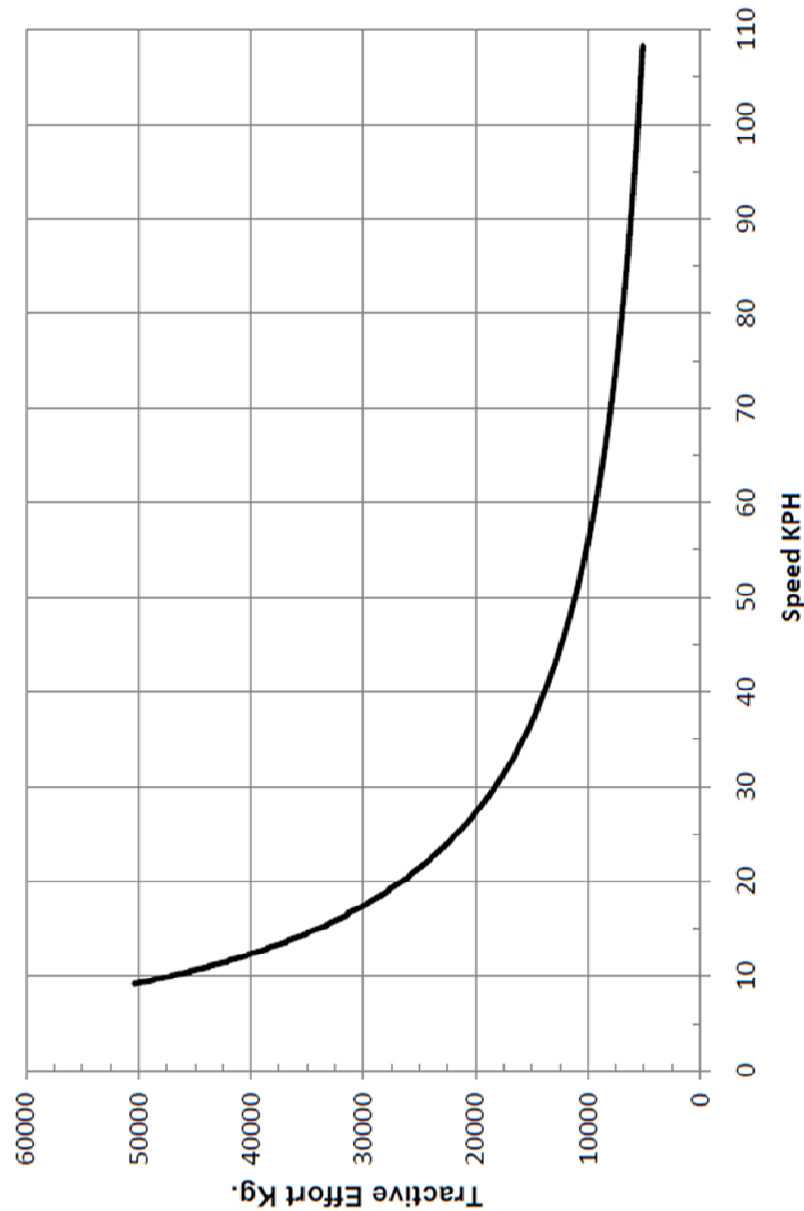
Microprocessor model N-FORCE

Traction motors D78-DC

Traction Controller NRE DC chopper
(Independent Axle) IGBT



Tractive Effort vs Speed 3GS24C-DE-AU (120T)



62:15 Gear Ratio
1016 MM Wheel Diameter
120 Tonnes
2192 Traction Horsepower
D77/78 Traction Motors

Actual THP May Vary. Entire
Curve May Not Be Available
At All Times Due To
Limitations of Wheel/Rail
Adhesion

Adhesion Rating 30%
Continuous Speed = 14.4 KPH
Continuous TE = 35460 Kg
Starting TE = 39600 Kg