



Specifications

General Data

Model Designation SD40-4 IAC

Emmissions Tier 0+
(US EPA)

Power (Tractive) 3000 HP

Wheel Arrgt. (AAR) C-C

Dimensions

AAR Plate Plate L

Over Pulling Faces 65'8"
(17,120mm)

Width Over Grab 10'3"
Irons (3124mm)

Maximum height 15'7"
above rail (4750mm)

Wheel diameter 40"
(1016mm)

Minimum curve 193ft (30 Deg.)
radius-single unit 59m (20 Deg.)

Track Gauge 56 1/2"
(1435mm)

Mass

Fully Serviced 420,000lbs
(190,509kgs)

Tons/Axle 35
(31.8 tonnes)

Supplies

Fuel 4000 gal
(15,142L)

Sand 56 ft³
(1.59m³)

Coolant 254 gal
(961L)

Lubricating Oil 395 gal
(1,495L)

Retention tank 100 gal
(378L)

Equipment

Engine model EMD
16-645-E3C

Generator model AR10-CA5

Air compressor model WBO (3 Cyl.
Water cooled)

Air brake model CCB26

Microprocessor model N-FORCE

Traction motors D77/78

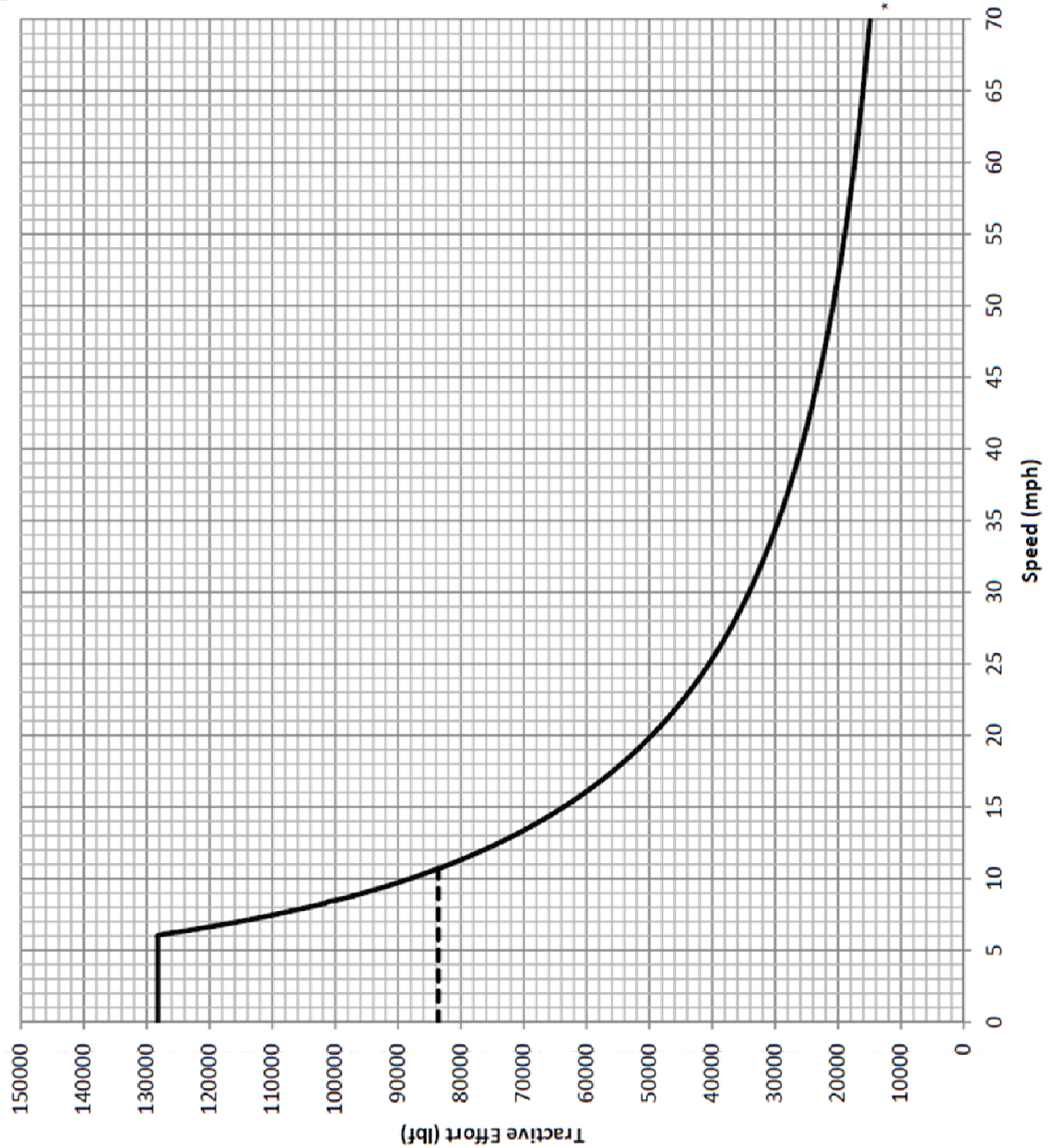
Traction Controller NRE DC chopper
(Independent Axle) IGBT





Model:	SD40-IAC
Mass:	195 tons
Traction Motors:	D77/78
Gear Ratio:	62:15
Wheel Diameter:	40"
Traction Power:	3000 hp
Engine type:	16-645E3B
Power Rating:	3300 bhp
Starting TE:	128280 lbf
Continuous TE:	83588 lbf
Continuous Speed:	10.8 mph

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